

INSTRUCTIONS FOR COMPLETING THE NPDES PERMIT RATING WORK SHEET

General Information

From the permit, enter the NPDES number, facility name, and city. Enter the receiving water name and EPA reach number.

The eleven digit reach number for a facility can be obtained through the use of the STORET water quality database that resides on the EPA IBM mainframe computer. The user will need to have a USERID to access the computer and will need to have STORET database privileges. See your EPA ADP coordinator for the former and call STORET User Support at 1-800-424-9067 for the latter. Once these items have been obtained, the user may access a procedure known as the "PCS/STORET Interface" (or IPS5). This procedure links the PCS and STORET databases together and allows the user to obtain information from both. In order to obtain information from the PCS system, the user will have to be approved by PCS for access. Call PCS User Support for information on getting access to this database. However, access to PCS is not necessary for obtaining a reach number.

Once logged on to the EPA IBM computer, simply issue the following command at the "Ready" prompt: *WQAB IPSS*. The procedure will ask you to provide an NPDES number; the rest is menu driven. One of the reports that is available from the procedure is the "Basic" report. This will provide the reach number. Questions about the use of this procedure may be directed to Phillip Taylor at FTS 382-7046 or (202) 382-7046.

Answer the next two questions regarding steam electric facilities and stormwater permits. An answer of "yes" to either of these questions automatically makes this facility a major. A steam electric major will be automatically assigned a score of 600 and stormwater major will be assigned a score of 700. If either of the "yes" boxes are checked, there is no need to go further.

FACTOR 1: Toxic Pollutant Potential

Determine what SIC codes are assigned to the facility covered by the permit. This will usually be on page II-3 of Form C. Be sure that the SIC codes are those contained in the latest SIC code book published in 1987. If the facility has more than one outfall, there will be a Section II for each outfall. When multiple SIC codes are assigned, select the one that appears to represent the primary activity at the facility and enter it in the primary SIC code box. Then enter up to three other SIC codes in the indicated boxes, selecting those that appear most significant if more than four have been reported (this will be rare).

Use the primary SIC code to search Appendix A of these instructions to determine if there are industrial subcategories for that SIC code. If not, there will be a single entry in Appendix A for that SIC code or no entry at all. If there are subcategories (indicated by multiple entries for one SIC code), select the subcategory that best corresponds to this facility. Use the CFR part and subpart number to help you identify the appropriate subcategory. Continue this procedure for each of the other SIC codes recorded. Select the industrial subcategory for the SIC code that has the highest toxicity group. Enter the industrial subcategory code on the rating sheet (use 000 if there is no subcategory) and check the appropriate TOTAL toxicity potential number. Note that regardless of the facility's SIC code, if the facility discharges no process waste stream to a receiving water, the points scored are 0.

Enter the appropriate code number and points scored for Factor 1 in the shaded area.

FACTOR 2: Flow/Stream Flow Volume

This factor consists of two methods, A and B. Section A or Section B should be completed, but not both. Section A takes into account only the quantity and type of wastewater discharge from the facility. Section B scores the facility for not only the quantity and type of wastewater discharged, but also its relationship to the receiving stream low flow.

Determine the wastewater type (I, II, or III) based on the relative volumes of noncontact cooling waters, process wastewaters, and other wastewaters in the total combined discharge from the facility.

- a. Type I: Noncontact cooling waters are once-through cooling only and do not include blowdown from cooling towers and recirculating cooling systems.
- b. Type II: Process wastewaters include wastewaters resulting from most manufacturing processes, contact cooling water, and contaminated surface run-off.
- c. Type III: Other wastewaters include boiler blowdown, blowdown from cooling towers and recirculating cooling systems, sanitary wastewater, and uncontaminated surface runoff.

The relative volumes of different wastewaters discharged can usually be determined from the permit application. Use Figure 1 to determine the wastewater type. If the entire discharge is noncontact cooling water, it is Type I. If it is all process wastewater, it is Type II. If it is neither noncontact cooling water or process wastewater, it is Type III. If the flow contains more than 1 MGD of process wastewater or more than 10 percent process wastewater, it is Type II. If the flow is predominantly noncontact cooling water (more than 90 percent) and contains less than 1 MGD of process wastewaters, it is Type I.

Once the wastewater type has been determined, compute the total volume of wastewater discharged for all outfalls. This is the sum of the daily average discharges for each outfall shown in the permit application.

On the worksheet under the type of wastewater selected, check the appropriate flow range. Although a facility may discharge some of any or all of the three types of wastewater, only one flow range and type should be checked representing the composite of all flows. Record the two-digit flow code checked in the code box and the associated points in the total points box in the shaded area under Section A.

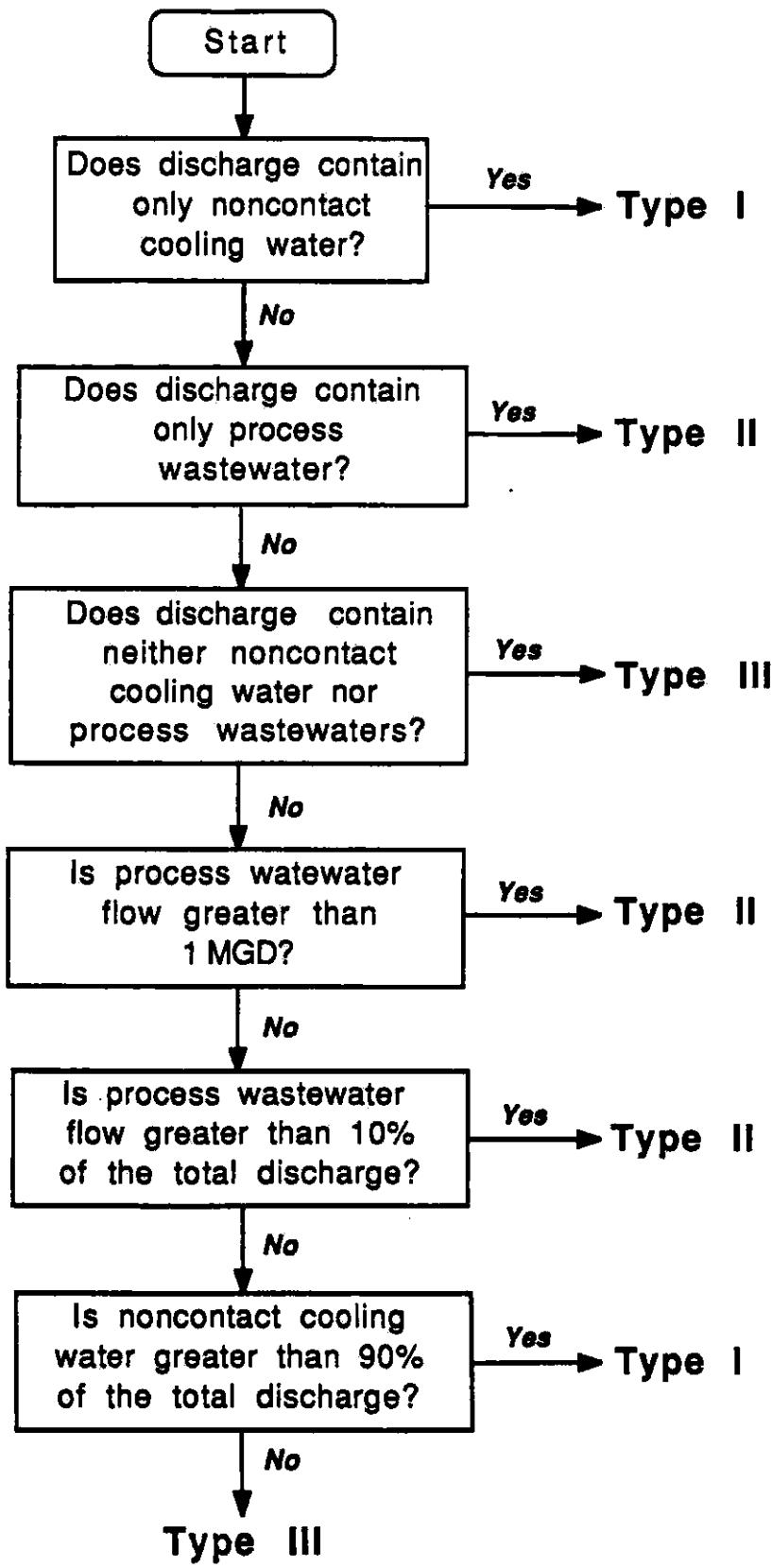
For a few selected facilities, the volume of wastewater discharged may be large relative to the low flow of the receiving water. Section B of the rating work sheet allows the reviewer to calculate rating points based on the relative amounts and types of wastewater and receiving stream flows. The reviewer should identify the type of wastewater discharged from the facility based on the procedure described above and in Figure 1. The other piece of information that will be necessary to complete Section B is the receiving stream's low flow (i.e., the 7Q10 flow or the state standard). Check off the box that most closely describes the circumstances at this facility and enter the appropriate code and points in the shaded box under Section B.

FACTOR 3: Conventional Pollutants

Data on conventional pollutants are obtained from the NPDES permit. This may be present in the permit and/or compliance files. Review the permit to see what traditional pollutants (i.e., oxygen demanding, TSS, and Ammonia) are limited. Conventional pollutant loads are to be computed only when they are limited by the permit. Use the current permit limits if the permit contains two or more sets of limits for each outfall.

Add the daily average load for the oxygen-demanding pollutant and identify on the work sheet what this parameter is (e.g., BOD, COD, TOC, UOD, etc.). If the permit is limited for more than one oxygen-demanding pollutant, use the one that provides the highest load. Most effluent limits specify loads in

Figure 1
Wastewater Type Selection Flow Diagram



kilograms or pounds per day. However, they may sometimes be given in concentration units (usually mg/l) or in loads per production unit, such as kg BOD/1000 kg of product. In such cases, the discharge must be converted to loads in terms of pounds per day using standard conversion factors and flow and/or production data from the application or the discharge monitoring reports (DMRs).

Once the load has been determined, check the appropriate box and enter the code number checked and the points scored in the shaded area. Continue this for TSS and Ammonia if these pollutants are limited.

FACTOR 4: Public Health Impact

Determine if there is a public drinking water supply within 50 miles downstream of the facility. (A drinking water intake may include infiltration galleries or other methods of conveyance that ultimately get it's water from the receiving stream of the NPDES facility). If this condition is true, answer "yes" to the question posed on the rating work sheet. Determine the human health toxicity potential from Appendix A in a similar manner as outlined in Factor 1 of this instruction sheet. Once the toxicity number has been identified, enter the code number and the points scored in the shaded area.

If there are no drinking water utilities within 50 miles downstream of this facility, answer "no" to this question and continue to Factor 5.

FACTOR 5: Water Quality Factors

Determine if the discharge is subject to water quality limiting factors. This will be true if the discharge is to a stream designated as water quality limiting by the State agency or for which waste-load allocations have been established. This will also be true if some of the effluent limits in the permit are based on water quality conditions in the receiving stream rather than on effluent guidelines (technology-based, the usual case). Making this determination may be somewhat difficult. Sources to review for the necessary information are the Fact Sheet (the rationale on which permit limits were based), water quality inventory reports prepared by the State and submitted to EPA biennially as required by Section 305, and area-wide Waste Treatment Management planning reports prepared for some urban areas by local planning agencies under Section 208. Some states may have reports summarizing these data.

Some facilities may have had whole effluent toxicity studies performed within the last two years. If this is true and the results of those tests indicated that the effluent from this facility shows toxicity, answer "yes" to question in Section C of this factor.

After answering questions A, B, and C, enter the appropriate code and points in the shaded area.

FACTOR 6: Proximity to Near Coastal Waters

Facilities may receive addition points if their discharge is to a water that is considered a "near coastal water." Each facility nationally has been assigned a Headquarters Priority Permit Indicator (HPRI). These codes range from 1 through 5, or a facility may have no code. The following are the definitions of each code:

| <u>Code</u> | <u>Description</u> |
|-------------|---|
| 1 | §403(c) direct ocean discharger: dischargers seaward of the inner baseline of territorial seas. These facilities were identified in the §403(c) Report to Congress. |

| <u>Code</u> | <u>Description</u> |
|-------------|---|
| 2 | Discharger in coastal county not in a major estuary drainage area and not a §403(c) discharger. |
| 3 | Discharger into a major estuary or estuary drainage area. |
| 4 | Discharger in a non-coastal county, some part of which is in an estuary drainage area, discharging into fresh non-tidal waters. |
| 5 | Great Lakes discharger: dischargers that are located in a county that physically borders the Great Lakes except where the discharge is diverted into another basin (e.g., Mississippi River). |

The reviewer should enter the two-digit flow code found in the section of the work sheet known as Factor 2. From PCS, ascertain the appropriate HPRI code for this facility or determine the appropriate HPRI code from the above definition. If the facility is not a near coastal facility, skip this factor entirely and continue to the score summary.

Identify the appropriate multiplication factor based on the Factor 2 flow code. Enter the HPRI score and the multiplication factor in the appropriate blanks and perform the multiplication. Enter the HPRI code checked and the points scored for Section A in the shaded area.

Facilities will receive additional points if they are discharging to an estuary that is listed in the National Estuary Protection (NEP) program (see Appendix B) or the Chesapeake Bay. Alternatively, facilities can receive additional points if they discharge to one of the Great Lakes Areas of Concern. To receive points under the Great Lakes Area of Concern section, the facility must be discharging at least one of the pollutants of concern for each of the geographic locations (see Appendix C). Points may be scored for either Section B or Section C of this factor, but not both.

Score Summary

Enter the total points scored under each of the six factors considered in this rating work sheet. Add the scores together and if the sum is greater than or equal to 80, the facility is considered a major. If a facility has scored less than 80 points and the reviewer feels that the facility should still be considered a major, the reviewer may make the facility a discretionary major by adding 500 points to the total score of each of the factors. Each EPA Region is allocated a certain number of discretionary majors. This number is a flat 50 or 10% of the actual majors plus 40, whichever is higher. Example: If Region I had 300 actual majors, the number of allocated discretionary majors would be 70 (i.e., $(300 \times .1) + 40 = 70$). Should the reviewer wish to make this facility a discretionary major, it is strongly urged that the reasoning for this decision be provided on the rating work sheet.

To assist reviewers in ascertaining the candidates for discretionary addition, Appendix D provides some guidelines for ranking specific industrial categories.

APPENDIX A
SIC Code Cross Reference
and Total and Human Health Toxicity Number

| 1972/ 1977 | 1987 | | CFR | CFR | Sub-part title | Human Health Toxicity Number | Total Toxicity Number | Industry Subcat Number |
|---------------|-------------|-------------------------------------|-------------|--------------|------------------------------------|---------------------------------------|-----------------------------|------------------------------|
| SIC Code | SIC Code | 1987 Title | CFR Part | Sub- Part | | | | |
| 211 | 211 | BEEF CATTLE FEEDLOTS | 412 | A | All Feedlots Except Ducks | 1 | 1 | 0 |
| 212 | 212 | BEEF CATTLE, EXCEPT FEEDLOTS | | NR | Beef Cattle not in Feedlots | 1 | 1 | 99 |
| 213 | 213 | HOGS | 412 | A | All Feedlots Except Ducks | 1 | 1 | 0 |
| 213 | 213 | HOGS | | NR | Hogs not in Feedlots | 1 | 1 | 99 |
| 214 | 214 | SHEEP AND GOATS | 412 | A | All Feedlots except Ducks | 1 | 1 | 0 |
| 214 | 214 | SHEEP AND GOATS | | NR | Sheep and Goats not in Feedlots | 1 | 1 | 99 |
| 219 | 219 | GENERAL LIVESTOCK, NEC | | NR | General Livestock Farms | 1 | 1 | 99 |
| 241 | 241 | DAIRY FARMS | 412 | A | All Feedlots Except Ducks | 1 | 1 | 0 |
| 241 | 241 | DAIRY FARMS | | NR | DAIRY CATTLE NOT CONFINED | 1 | 1 | 99 |
| 251 | 251 | BROILER, FRYER AND ROASTER CHICKENS | 412 | A | All Feedlots Except Ducks | 1 | 1 | 0 |
| 252 | 252 | CHICKEN EGGS | 412 | A | All Feedlots Except Ducks | 1 | 1 | 0 |
| 253 | 253 | TURKEY AND TURKEY EGGS | 412 | A | All Feedlots Except Ducks | 1 | 1 | 0 |
| 254 | 254 | POULTRY HATCHERIES | | NR | Hatcheries Without Poultry Feeding | 1 | 1 | 99 |
| 259 | 259 | POULTRY AND EGGS, NEC | 412 | B | Ducks | 1 | 1 | 0 |
| 259 | 259 | POULTRY AND EGGS, NEC | | NR | Other Poultry Farms | 1 | 1 | 99 |
| 271 | 271 | FUR-BEARING ANIMALS AND RABBITS | | NR | | 1 | 1 | 99 |
| 272 | 272 | HORSES AND OTHER EQUINES | | NR | | 1 | 1 | 99 |
| 279 | 273 | ANIMAL SPECIALTIES, NEC | | NR | | 1 | 1 | 99 |
| 279 | 279 | ANIMAL SPECIALTIES, NEC | | NR | | 1 | 1 | 99 |
| 291 | 291 | GENERAL FARMS, PRIMARILY LIVESTOCK | | NR | | 1 | 1 | 99 |
| 291 | 291 | GENERAL FARMS, PRIMARILY LIVESTOCK | | NR | | 1 | 1 | 99 |
| 721 | 721 | CROP PLANTING & PROTECTION | | NR | Crop Dusting & Spraying | 6 | 6 | 99 |
| 721 | 721 | CROP PLANTING & PROTECTION | | NR | Crop Planting/Cultivation | 1 | 1 | 99 |
| 921 | 921 | FISH HATCHERIES AND PRESERVES | | NR | | 1 | 1 | 99 |
| 1011 | 1011 | IRON ORES | 440 | A | Iron Ore | 7 | 7 | 0 |
| 1021 | 1021 | COPPER ORES | 440 | J | Cu, Pb, Zn, Ag, Au, Mo Ores | 8 | 10 | 0 |
| 1031 | 1031 | LEAD AND ZINC ORES | 440 | J | Cu, Pb, Zn, Ag, Au, Mo Ores | 8 | 10 | 0 |
| 1041 | 1041 | GOLD ORES | 440 | J | Cu, Pb, Zn, Ag, Au, Mo Ores | 8 | 10 | 1 |
| 1041 | 1041 | GOLD ORES | 440 | M | Gold Placer Mines | 8 | 9 | 2 |
| 1044 | 1044 | SILVER ORES | 440 | J | Cu, Pb, Zn, Ag, Au, Mo Ores | 8 | 10 | 0 |
| 1051 | 1099 | BAUXITE & OTHER ALUMINUM ORES | 440 | B | Aluminum Ore | 5 | 10 | 0 |
| 1061 | 1061 | FERROALLOY ORES, EXCEPT VANADIUM | 440 | F | Tungsten Ore | 1 | 6 | 1 |
| 1061 | 1061 | FERROALLOY ORES, EXCEPT VANADIUM | 440 | G | Nickel Ores | 8 | 8 | 2 |
| 1061 | 1061 | FERROALLOY ORES, EXCEPT VANADIUM | 440 | J | Cu, Pb, Zn, Ag, Au, Mo Ores | 7 | 7 | 3 |
| 1061 | 1061 | FERROALLOY ORES, EXCEPT VANADIUM | | NR | Ferroalloy Ores, NEC | 8 | 8 | 99 |
| 1081 | 1081 | METAL MINING SERVICES | | NR | Exploration/Development | 8 | 8 | 99 |
| 1092 | 1099 | MERCURY ORES | 440 | D | Mercury Ores | 8 | 8 | 0 |
| 1094 | 1094 | URANIUM-RADIUM-VANADIUM ORES | 440 | C | Uranium-Radium-Vanadium Ores | 8 | 9 | 1 |
| 1094 | 1094 | URANIUM-RADIUM-VANADIUM ORES | 440 | H | Vanadium Ore | 8 | 8 | 2 |
| 1099 | 1099 | METAL ORES, NEC | 440 | E | Titanium Ores | 1 | 4 | 1 |
| 1099 | 1099 | METAL ORES, NEC | 440 | I | Antimony Ore | 8 | 8 | 2 |
| 1099 | 1099 | METAL ORES, NEC | 440 | K | Platinum Ores | 8 | 8 | 3 |
| 1099 | 1099 | METAL ORES, NEC | | NR | Metal Ore, NEC | 8 | 8 | 99 |
| 1111 | 1231 | ANTHRACITE MINING | 434 | B | Coal Preparation Plants | 6 | 6 | 4 |
| 1111 | 1231 | ANTHRACITE MINING | 434 | C | Acid or Ferruginous Mine Drainage | 5 | 5 | 1 |
| 1111 | 1231 | ANTHRACITE MINING | 434 | D | Alkaline Mine Drainage | 5 | 5 | 2 |
| 1111 | 1231 | ANTHRACITE MINING | 434 | E | Post Mining Areas | 5 | 5 | 5 |
| 1112 | 1241 | ANTHRACITE MINING SERVICES | | NR | | 5 | 5 | 99 |
| 1211 | 1221 | BITUMINOUS COAL AND LIGNITE | 434 | B | Coal Preparation Plants | 6 | 5 | 3 |
| 1211 | 1221 | BITUMINOUS COAL AND LIGNITE | 434 | C | Acid or Ferruginous Mine Drainage | 5 | 5 | 1 |
| 1211 | 1221 | BITUMINOUS COAL AND LIGNITE | 434 | D | Alkaline Mine Drainage | 5 | 5 | 2 |
| 1211 | 1221 | BITUMINOUS COAL AND LIGNITE | 434 | E | Post Mining Areas | 5 | 5 | 4 |
| 1211 | 1222 | BITUMINOUS COAL AND LIGNITE | 434 | B | COAL PREPARATION PLANTS | 6 | 6 | 5 |
| 1211 | 1222 | BITUMINOUS COAL AND LIGNITE | 434 | C | ACID OR FERRUGINOUS MINE DRAINAGE | 5 | 5 | 6 |

APPENDIX A
SIC Code Cross Reference
and Total and Human Health Toxicity Number

| 1972/ 1977 SIC Code | 1987 SIC Code | 1987 Title | CFR Part | CFR Sub- Part | Sub-part title | Human Health Toxicity Number | Total Toxicity Number | Industry Subcat Number |
|------------------------------|---------------------|--|-------------|---------------------|--|---------------------------------------|-----------------------------|------------------------------|
| 1211 | 1222 | BITUMINOUS COAL AND LIGNITE | 434 | D | ALKALINE MINE DRAINAGE | 5 | 5 | 7 |
| 1211 | 1222 | BITUMINOUS COAL AND LIGNITE | 434 | E | POST MINING AREAS | 5 | 5 | 8 |
| 1213 | 1241 | BITUMINOUS COAL AND LIGNITE MINING SERVI | | NR | | 5 | 5 | 99 |
| 1311 | 1311 | CRUDE PETROLEUM AND NATURAL GAS | 435 | A | Offshore | 1 | 1 | 1 |
| 1311 | 1311 | CRUDE PETROLEUM AND NATURAL GAS | 435 | C | Onshore | 1 | 1 | 2 |
| 1311 | 1311 | CRUDE PETROLEUM AND NATURAL GAS | 435 | D | Coastal | 1 | 1 | 3 |
| 1311 | 1311 | CRUDE PETROLEUM AND NATURAL GAS | 435 | E | Agricultural & Wildlife Water Use | 1 | 1 | 4 |
| 1311 | 1311 | CRUDE PETROLEUM AND NATURAL GAS | 435 | F | Stripper | 5 | 5 | 5 |
| 1321 | 1321 | NATURAL GAS LIQUIDS | | NR | | 1 | 1 | 99 |
| 1381 | 1381 | DRILLING OIL AND GAS WELLS | 435 | C | Onshore | 1 | 1 | 0 |
| 1382 | 1382 | OIL AND GAS FIELD EXPLORATION SERVICES | | NR | | 1 | 1 | 99 |
| 1389 | 1389 | OIL AND GAS FIELD SERVICES, NEC | | NR | | 1 | 1 | 99 |
| 1411 | 1411 | DIMENSION STONE | 436 | A | Dimension Stone | 1 | 1 | 0 |
| 1422 | 1422 | CRUSHED AND BROKEN LIMESTONE | 436 | B | Crushed Stone | 1 | 1 | 0 |
| 1423 | 1423 | CRUSHED AND BROKEN GRANITE | 436 | B | Crushed Stone | 1 | 1 | 0 |
| 1429 | 1429 | CRUSHED AND BROKEN STONE, NEC | 436 | B | Crushed Stone | 1 | 1 | 0 |
| 1442 | 1442 | CONSTRUCTION SAND AND GRAVEL | 436 | C | CONSTRUCTION SAND AND GRAVEL | 1 | 1 | 0 |
| 1446 | 1446 | INDUSTRIAL SAND | 436 | D | Industrial Sand | 1 | 1 | 0 |
| 1452 | 1459 | BENTONITE | 436 | V | Bentonite | 1 | 1 | 0 |
| 1453 | 1459 | FIRE CLAY | 436 | AA | Fire Clay | 1 | 1 | 0 |
| 1454 | 1459 | FULLER'S EARTH | | NR | | 1 | 1 | 99 |
| 1455 | 1455 | KAOLIN AND BALL CLAY | 436 | AG | Kaolin | 1 | 1 | 1 |
| 1455 | 1455 | KAOLIN AND BALL CLAY | 436 | AH | Ball Clay | 1 | 1 | 2 |
| 1459 | 1459 | CLAY, CERAMIC AND REFRACTORY MATERIALS, | 436 | AI | FELDSPAR | 1 | 1 | 5 |
| 1459 | 1459 | CLAY, CERAMIC AND REFRACTORY MATERIALS, | 436 | AC | KYANITE | 1 | 1 | 2 |
| 1459 | 1459 | CLAY, CERAMIC AND REFRACTORY MATERIALS, | 436 | AD | SHALE AND COMMON CLAY | 1 | 1 | 3 |
| 1459 | 1459 | CLAY, CERAMIC AND REFRACTORY MATERIALS, | 436 | AE | APLITE | 1 | 1 | 4 |
| 1459 | 1459 | CLAY, CERAMIC AND REFRACTORY MATERIALS, | 436 | W | MAGNESITE | 1 | 1 | 1 |
| 1459 | 1459 | CLAY, CERAMIC AND REFRACTORY MATERIALS, | | NR | OTHER CLAY,CERAMIC AND REFR MINERALS NR | 1 | 1 | 99 |
| 1472 | 1479 | BARITE | 436 | J | BARITE | 1 | 1 | 0 |
| 1473 | 1479 | FLUORSPAR | 436 | K | FLUORSPAR | 1 | 1 | 0 |
| 1474 | 1474 | POTASH, SODA AND BORATE MINERALS | 436 | L | SALINES FROM BRINE LAKES | 1 | 1 | 1 |
| 1474 | 1474 | POTASH, SODA AND BORATE MINERALS | 436 | M | POTASH | 1 | 1 | 3 |
| 1474 | 1474 | POTASH, SODA AND BORATE MINERALS | 436 | M | BORAX | 1 | 1 | 2 |
| 1474 | 1474 | POTASH, SODA AND BORATE MINERALS | 436 | O | SODIUM SULFATE | 1 | 1 | 4 |
| 1474 | 1474 | POTASH, SODA AND BORATE MINERALS | | NR | OTHER POTASH,SODA AND BORATE MINERALS NR | 1 | 1 | 99 |
| 1474 | 1474 | POTASH, SODA AND BORATE MINERALS | 436 | P | TRONA | 1 | 1 | 5 |
| 1475 | 1475 | PHOSPHATE ROCK | 436 | R | Phosphate Rock | 6 | 6 | 0 |
| 1476 | 1479 | ROCK SALT | 436 | Q | ROCK SALT | 1 | 1 | 0 |
| 1477 | 1479 | SULFUR | 436 | S | FRASCH SULFER | 1 | 1 | 0 |
| 1479 | 1479 | CHEMICAL AND FERTILIZER MINERAL MINING, | 436 | T | MINERAL PIGMENTS | 1 | 1 | 1 |
| 1479 | 1479 | CHEMICAL AND FERTILIZER MINERAL MINING, | 436 | U | LITHIUM | 1 | 1 | 2 |
| 1479 | 1479 | CHEMICAL AND FERTILIZER MINERAL MINING, | | NR | OTHER CHEMICAL/FERTILIZER MINERALS NR | 1 | 1 | 99 |
| 1481 | 1481 | NONMETALLIC MINERALS (EXCEPT FUELS) SERV | | NR | | 1 | 1 | 99 |
| 1492 | 1499 | GYPSUM | 436 | E | GYPSUM | 1 | 1 | 0 |
| 1496 | 1499 | TALC, SOAPSTONE AND PYROPHYLLITE | 436 | AJ | TALC,STEATITE,SOAPSTONE AND PYROPHYLLITE | 1 | 1 | 0 |
| 1499 | 1499 | MISCELLANEOUS NONMETALLIC MINERALS, NEC | 436 | G | ASBESTOS AND WOLLASTONITE | 1 | 1 | 2 |
| 1499 | 1499 | MISCELLANEOUS NONMETALLIC MINERALS, NEC | 436 | F | ASPHALTIC MINERAL | 1 | 1 | 1 |
| 1499 | 1499 | MISCELLANEOUS NONMETALLIC MINERALS, NEC | 436 | I | NICA AND SERACITE | 1 | 1 | 3 |
| 1499 | 1499 | MISCELLANEOUS NONMETALLIC MINERALS, NEC | 436 | X | DIATOMITE | 1 | 1 | 4 |
| 1499 | 1499 | MISCELLANEOUS NONMETALLIC MINERALS, NEC | 436 | Y | JADE | 1 | 1 | 5 |
| 1499 | 1499 | MISCELLANEOUS NONMETALLIC MINERALS, NEC | 436 | AF | TRIPOLI | 1 | 1 | 6 |
| 1499 | 1499 | MISCELLANEOUS NONMETALLIC MINERALS, NEC | 436 | AK | GARNET | 1 | 1 | 7 |
| 1499 | 1499 | MISCELLANEOUS NONMETALLIC MINERALS, NEC | 436 | AL | GRAPHITE | 1 | 1 | 8 |

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SIC Code Cross Reference
and Total and Human Health Toxicity Number

| 1972/ 1977 | 1987 | | CFR | CFR | | Human | Total | Industry |
|---------------|------|--|------|------|--|--------|----------|----------|
| SIC | SIC | 1987 | CFR | Sub- | Sub-part title | Health | Toxicity | Subsect |
| Code | Code | Title | Part | Part | | Number | Number | Number |
| 1499 | 1499 | MISCELLANEOUS NONMETALLIC MINERALS, NEC | | NR | OTHER MISC NONMETALLIC MINERALS NR | 1 | 1 | 99 |
| 2011 | 2011 | MEAT PACKING PLANTS | 432 | A | SIMPLE SLAUGHTERHOUSE | 1 | 1 | 1 |
| 2011 | 2011 | MEAT PACKING PLANTS | 432 | B | COMPLEX SLAUGHTERHOUSE | 1 | 1 | 2 |
| 2011 | 2011 | MEAT PACKING PLANTS | 432 | C | LOW-PROCESSING PACKING HOUSE | 1 | 1 | 3 |
| 2011 | 2011 | MEAT PACKING PLANTS | 432 | D | HIGH-PROCESSING PACKING HOUSE | 1 | 1 | 4 |
| 2013 | 2013 | SAUSAGES AND OTHER PREPARED MEAT PRODUCT | 432 | E | SMALL PROCESSOR | 1 | 1 | 1 |
| 2013 | 2013 | SAUSAGES AND OTHER PREPARED MEAT PRODUCT | 432 | F | MEAT CUTTER | 1 | 1 | 2 |
| 2013 | 2013 | SAUSAGES AND OTHER PREPARED MEAT PRODUCT | 432 | G | SAUSAGE AND LUNCHEON MEATS PROCESSOR | 1 | 1 | 3 |
| 2013 | 2013 | SAUSAGES AND OTHER PREPARED MEAT PRODUCT | 432 | H | HAM PROCESSOR | 1 | 1 | 4 |
| 2013 | 2013 | SAUSAGES AND OTHER PREPARED MEAT PRODUCT | 432 | I | CANNED MEATS PROCESSOR | 1 | 1 | 5 |
| 2016 | 2015 | POULTRY DRESSING PLANTS | 432 | B | COMPLEX SLAUGHTERHOUSE | 1 | 1 | 2 |
| 2016 | 2015 | POULTRY DRESSING PLANTS | 432 | A | SIMPLE SLAUGHTERHOUSE | 1 | 1 | 1 |
| 2016 | 2015 | POULTRY DRESSING PLANTS | 432 | C | LOW-PROCESSING PACKING HOUSE | 1 | 1 | 3 |
| 2016 | 2015 | POULTRY DRESSING PLANTS | 432 | D | HIGH-PROCESSING PACKING HOUSE | 1 | 1 | 4 |
| 2017 | 2015 | POULTRY AND EGG PROCESSING | 432 | E | SMALL PROCESSOR | 1 | 1 | 1 |
| 2017 | 2015 | POULTRY AND EGG PROCESSING | 432 | F | MEAT CUTTER | 1 | 1 | 2 |
| 2017 | 2015 | POULTRY AND EGG PROCESSING | 432 | G | SAUSAGE AND LUNCHEON MEATS PROCESSOR | 1 | 1 | 3 |
| 2017 | 2015 | POULTRY AND EGG PROCESSING | 432 | H | HAM PROCESSOR | 1 | 1 | 4 |
| 2017 | 2015 | POULTRY AND EGG PROCESSING | 432 | I | CANNED MEATS PROCESSOR | 1 | 1 | 5 |
| 2021 | 2021 | CREAMERY BUTTER | 405 | D | BUTTER | 1 | 1 | 0 |
| 2022 | 2022 | CHEESE, NATURAL AND PROCESSED | 405 | F | NATURAL AND PROCESSED CHEESE | 1 | 1 | 0 |
| 2023 | 2023 | CONDENSED AND EVAPORATED MILK | 405 | I | CONDENSED MILK | 1 | 1 | 1 |
| 2023 | 2023 | CONDENSED AND EVAPORATED MILK | 405 | J | DRY MILK | 1 | 1 | 2 |
| 2023 | 2023 | CONDENSED AND EVAPORATED MILK | 405 | K | CONDENSED WHEY | 1 | 1 | 3 |
| 2023 | 2023 | CONDENSED AND EVAPORATED MILK | 405 | L | DRY WHEY | 1 | 1 | 4 |
| 2024 | 2024 | ICE CREAM AND FROZEN DESSERTS | 405 | H | ICE CREAM, FROZEN DESSERTS, NOVELTIES | 1 | 1 | 0 |
| 2026 | 2026 | FLUID MILK | 405 | B | FLUID PRODUCTS | 1 | 1 | 1 |
| 2026 | 2026 | FLUID MILK | 405 | C | CULTURED PRODUCTS | 1 | 1 | 2 |
| 2026 | 2026 | FLUID MILK | 405 | E | COTTAGE CHEESE AND CULTURED CREAM CHEESE | 1 | 1 | 3 |
| 2026 | 2026 | FLUID MILK | 405 | G | FLUID MIX FOR ICE CREAM, OTHER DESSERTS | 1 | 1 | 4 |
| 2032 | 2091 | CANNED SPECIALTIES | | | | 1 | 1 | 0 |
| 2032 | 2032 | CANNED SPECIALTIES | 407 | H | CANNED AND MISC. SPECIALTIES | 1 | 1 | 0 |
| 2033 | 2033 | CANNED FRUITS, VEGETABLES, PRESERVES, JA | 407 | A | APPLE JUICE | 1 | 1 | 1 |
| 2033 | 2033 | CANNED FRUITS, VEGETABLES, PRESERVES, JA | 407 | B | APPLE PRODUCTS | 1 | 1 | 2 |
| 2033 | 2033 | CANNED FRUITS, VEGETABLES, PRESERVES, JA | 407 | C | CITRUS PRODUCTS | 1 | 1 | 3 |
| 2033 | 2033 | CANNED FRUITS, VEGETABLES, PRESERVES, JA | 407 | F | CANNED AND PRESERVED FRUITS | 1 | 1 | 4 |
| 2033 | 2033 | CANNED FRUITS, VEGETABLES, PRESERVES, JA | 407 | G | CANNED AND PRESERVED VEGETABLES | 1 | 1 | 5 |
| 2033 | 2033 | CANNED FRUITS, VEGETABLES, PRESERVES, JA | 407 | H | CANNED AND PRESERVED SPECIALTIES | 1 | 1 | 6 |
| 2034 | 2068 | DRIED & DEHYDRATED FRUITS, VEGETABLES & | | NR | | 1 | 1 | 99 |
| 2034 | 2034 | DRIED & DEHYDRATED FRUITS, VEGETABLES & | 407 | E | DEHYDRATED POTATO PRODUCTS | 1 | 1 | 1 |
| 2034 | 2034 | DRIED & DEHYDRATED FRUITS, VEGETABLES & | 407 | F | CANNED AND PRESERVED FRUITS | 1 | 1 | 2 |
| 2034 | 2034 | DRIED & DEHYDRATED FRUITS, VEGETABLES & | 407 | G | CANNED AND PRESERVED VEGETABLES | 1 | 1 | 3 |
| 2035 | 2035 | PICKLED FRUITS & VEG., VEG. SAUCES & SEA | 407 | F | CANNED AND PRESERVED FRUITS | 1 | 1 | 1 |
| 2035 | 2035 | PICKLED FRUITS & VEG., VEG. SAUCES & SEA | 407 | G | CANNED AND PRESERVED VEGETABLES | 1 | 1 | 2 |
| 2035 | 2035 | PICKLED FRUITS & VEG., VEG. SAUCES & SEA | 407 | H | CANNED AND MISC SPECIALTIES | 1 | 1 | 3 |
| 2037 | 2037 | FROZEN FRUITS, FRUIT JUICES & VEGETABLES | 407 | A | APPLE JUICES | 1 | 1 | 1 |
| 2037 | 2037 | FROZEN FRUITS, FRUIT JUICES & VEGETABLES | 407 | G | CANNED AND PRESERVED VEGETABLES | 1 | 1 | 6 |
| 2037 | 2037 | FROZEN FRUITS, FRUIT JUICES & VEGETABLES | 407 | C | CITRUS PRODUCTS | 1 | 1 | 3 |
| 2037 | 2037 | FROZEN FRUITS, FRUIT JUICES & VEGETABLES | 407 | D | FROZEN POTATO PRODUCTS | 1 | 1 | 4 |
| 2037 | 2037 | FROZEN FRUITS, FRUIT JUICES & VEGETABLES | 407 | F | CANNED AND PRESERVED FRUITS | 1 | 1 | 5 |
| 2037 | 2037 | FROZEN FRUITS, FRUIT JUICES & VEGETABLES | 407 | B | APPLE PRODUCTS | 1 | 1 | 2 |
| 2038 | 2038 | FROZEN SPECIALTIES | 407 | H | CANNED AND MISCELLANEOUS SPECIALTIES | 1 | 1 | 1 |
| 2038 | 2053 | FROZEN SPECIALTIES | 407 | H | CANNED AND MISCELLANEOUS SPECIALTIES | 1 | 1 | 2 |
| 2041 | 2041 | FLOUR AND OTHER GRAIN MILL PRODUCTS | 406 | B | CORN DRY MILLING | 1 | 1 | 1 |

APPENDIX A
SIC Code Cross Reference
and Total and Human Health Toxicity Number

| 1972/ 1977 | 1987 | 1987 | CFR | Sub- | Sub-part title | Human Health Toxicity Number | Total Toxicity Number | Industry Subcat Number |
|---------------|-------------|--|------|------|--|---------------------------------------|-----------------------------|------------------------------|
| SIC Code | SIC Code | Title | Part | Part | | | | |
| 2041 | 2041 | FLOUR AND OTHER GRAIN MILL PRODUCTS | 406 | C | NORMAL WHEAT FLOUR MILLING | 1 | 1 | 2 |
| 2041 | 2041 | FLOUR AND OTHER GRAIN MILL PRODUCTS | 406 | D | BULGUR WHEAT FLOUR MILLING | 1 | 1 | 3 |
| 2043 | 2043 | CEREAL BREAKFAST FOODS | 406 | M | HOT CEREAL | 1 | 1 | 1 |
| 2043 | 2043 | CEREAL BREAKFAST FOODS | 406 | I | READY-TO-EAT CEREAL | 1 | 1 | 2 |
| 2044 | 2044 | RICE MILLING | 406 | E | NORMAL RICE MILLING | 1 | 1 | 1 |
| 2044 | 2044 | RICE MILLING | 406 | F | PARBOILED RICE PROCESSING | 1 | 1 | 2 |
| 2045 | 2045 | BLENDED AND PREPARED FLOUR | | NR | | 1 | 1 | 99 |
| 2046 | 2046 | WET CORN MILLING | 406 | A | CORN WET MILLING | 1 | 1 | 1 |
| 2046 | 2046 | WET CORN MILLING | 406 | J | WHEAT STARCH AND GLUTEN | 1 | 1 | 2 |
| 2047 | 2047 | DOG, CAT AND OTHER PET FOOD | 406 | G | ANIMAL FEED | 1 | 1 | 1 |
| 2047 | 2048 | DOG, CAT, AND OTHER PET FOOD | 406 | G | ANIMAL FEED | 1 | 1 | 2 |
| 2048 | 2048 | PREPARED FEEDS & FEED INGREDIENTS FOR AN | 406 | G | ANIMAL FEED | 1 | 1 | 0 |
| 2051 | 2051 | BREAD & OTHER BAKERY PRODUCTS, EXCEPT CO | | NR | | 1 | 1 | 99 |
| 2052 | 2052 | COOKIES AND CRACKERS | | NR | | 1 | 1 | 99 |
| 2061 | 2061 | CANE SUGAR, EXCEPT REFINING ONLY | 409 | D | LOUISIANA RAW CANE SUGAR PROCESSING | 1 | 1 | 1 |
| 2061 | 2061 | CANE SUGAR, EXCEPT REFINING ONLY | 409 | E | FLORIDA & TEXAS RAW CANESUGAR PROCESSING | 1 | 1 | 2 |
| 2061 | 2061 | CANE SUGAR, EXCEPT REFINING ONLY | 409 | F | HILO-HANAKUA/HAWAII CANESUGAR PROCESSING | 1 | 1 | 3 |
| 2061 | 2061 | CANE SUGAR, EXCEPT REFINING ONLY | 409 | G | HAWAIIAN RAW CANE SUGAR PROCESSING | 1 | 1 | 4 |
| 2061 | 2061 | CANE SUGAR, EXCEPT REFINING ONLY | 409 | H | PUERTO RICAN RAW CANE SUGAR PROCESSING | 1 | 1 | 5 |
| 2062 | 2062 | CANE SUGAR REFINING | 409 | B | CRYSTALLINE CANE SUGAR REFINING | 1 | 1 | 1 |
| 2062 | 2062 | CANE SUGAR REFINING | 409 | C | LIQUID CANE SUGAR REFINING | 1 | 1 | 2 |
| 2063 | 2063 | BET SUGAR | 409 | A | BET SUGAR PROCESSING | 1 | 1 | 0 |
| 2065 | 2068 | CANDY & OTHER CONFECTIONARY PRODUCTS | | NR | | 1 | 1 | 99 |
| 2065 | 2064 | CANDY & OTHER CONFECTIONARY PRODUCTS | | NR | | 1 | 1 | 99 |
| 2066 | 2066 | CHOCOLATE AND COCOA PRODUCTS | | NR | | 1 | 1 | 99 |
| 2067 | 2067 | CHEWING GUM | | NR | | 1 | 1 | 99 |
| 2074 | 2074 | COTTONSEED OIL MILLS | | NR | | 1 | 1 | 99 |
| 2075 | 2075 | SOYBEAN OIL MILLS | | NR | | 1 | 1 | 99 |
| 2076 | 2076 | VEG. OIL MILLS, EXCEPT CORN, COTTONSEED | | NR | | 1 | 1 | 99 |
| 2077 | 2077 | ANIMAL AND MARINE FATS AND OILS | 408 | O | FISH MEAL PROCESSING | 1 | 1 | 0 |
| 2077 | 2077 | ANIMAL AND MARINE FATS AND OILS | | NR | | 1 | 1 | 99 |
| 2079 | 2079 | SHORTENING, TABLE OILS, MARGARINE & OTHE | | NR | | 1 | 1 | 99 |
| 2082 | 2082 | MALT BEVERAGES | | NR | | 1 | 1 | 99 |
| 2083 | 2083 | MALT | | NR | | 1 | 1 | 99 |
| 2084 | 2084 | WINES, BRANDY AND BRANDY SPIRITS | | NR | | 1 | 1 | 99 |
| 2085 | 2085 | DISTILLED, RECTIFIED AND BLENDED LIQUORS | | NR | | 1 | 1 | 99 |
| 2086 | 2086 | BOTTLED & CANNED SOFT DRINKS & CARBONATE | | NR | | 1 | 1 | 99 |
| 2087 | 2087 | FLAVORING EXTRACTS & FLAVORING SYRUPS, N | | NR | | 1 | 1 | 99 |
| 2091 | 2091 | CANNED AND CURED FISH AND SEAFOODS | 408 | M | BREADED SHRIMP PROC/CONTIGUOUS STATES | 1 | 1 | 12 |
| 2091 | 2091 | CANNED AND CURED FISH AND SEAFOODS | 408 | R | W COAST HAND-BUTCHERED SALMON PROCESSING | 1 | 1 | 16 |
| 2091 | 2091 | CANNED AND CURED FISH AND SEAFOODS | 408 | B | CONVENTIONAL BLUE CRAB PROCESSING | 1 | 1 | 1 |
| 2091 | 2091 | CANNED AND CURED FISH AND SEAFOODS | 408 | C | MECHANIZED BLUE CRAB PROCESSING | 1 | 1 | 2 |
| 2091 | 2091 | CANNED AND CURED FISH AND SEAFOODS | 408 | D | NON-REMOTE ALASKAN CRAB MEAT PROCESSING | 1 | 1 | 3 |
| 2091 | 2091 | CANNED AND CURED FISH AND SEAFOODS | 408 | E | REMOTE ALASKAN CRAB MEAT PROCESSING | 1 | 1 | 4 |
| 2091 | 2091 | CANNED AND CURED FISH AND SEAFOODS | 408 | F | NON-REMOTE ALASKAN CRAB/SECTION PROCESS | 1 | 1 | 5 |
| 2091 | 2091 | CANNED AND CURED FISH AND SEAFOODS | 408 | G | REMOTE ALASKAN CRAB/SECTION PROCESSING | 1 | 1 | 6 |
| 2091 | 2091 | CANNED AND CURED FISH AND SEAFOODS | 408 | H | DUNG & TANNER CRAB PROCESS/CONTIG STATES | 1 | 1 | 7 |
| 2091 | 2091 | CANNED AND CURED FISH AND SEAFOODS | 408 | I | NON-REMOTE ALASKAN SHRIMP PROCESSING | 1 | 1 | 8 |
| 2091 | 2091 | CANNED AND CURED FISH AND SEAFOODS | 408 | W | HAND-SHUCKED CLAM PROCESSING | 1 | 1 | 21 |
| 2091 | 2091 | CANNED AND CURED FISH AND SEAFOODS | 408 | X | MECHANIZED CLAM PROCESSING | 1 | 1 | 22 |
| 2091 | 2091 | CANNED AND CURED FISH AND SEAFOODS | 408 | K | NORTHERN SHRIMP PROCESSING/CONTIG STATES | 1 | 1 | 10 |
| 2091 | 2091 | CANNED AND CURED FISH AND SEAFOODS | 408 | Y | PAC COAST HAND-SHUCKED OYSTER PROCESSING | 1 | 1 | 23 |
| 2091 | 2091 | CANNED AND CURED FISH AND SEAFOODS | 408 | N | TUNA PROCESSING | 1 | 1 | 13 |
| 2091 | 2091 | CANNED AND CURED FISH AND SEAFOODS | 408 | Z | AT/GLF COAST HAND-SHUCKED OYSTER PROCESS | 1 | 1 | 24 |

APPENDIX A
SIC Code Cross Reference
and Total and Human Health Toxicity Number

| 1972/ 1977 | 1987 | | CFR | CFR | Sub-part title | Human Health Toxicity Number | Total Toxicity Number | Industry Subcat Number |
|---------------|-------------|--|-------------|--------------|--|---------------------------------------|-----------------------------|------------------------------|
| SIC Code | SIC Code | 1987 Title | CFR Part | Sub- Part | | | | |
| 2091 | 2091 | CANNED AND CURED FISH AND SEAFOODS | 408 | Q | ALASKAN MECHANIZED SALMON PROCESSING | 1 | 1 | 15 |
| 2091 | 2091 | CANNED AND CURED FISH AND SEAFOODS | 408 | AA | STEAMED AND CANNED OYSTER PROCESSING | 1 | 1 | 25 |
| 2091 | 2091 | CANNED AND CURED FISH AND SEAFOODS | 408 | T | ALASKAN BOTTOM FISH PROCESSING | 1 | 1 | 18 |
| 2091 | 2091 | CANNED AND CURED FISH AND SEAFOODS | 408 | AB | SARDINE PROCESSING | 1 | 1 | 26 |
| 2091 | 2091 | CANNED AND CURED FISH AND SEAFOODS | 408 | V | NON-ALASKAN MECH BOTTOM FISH PROCESSING | 1 | 1 | 20 |
| 2091 | 2091 | CANNED AND CURED FISH AND SEAFOODS | 408 | AC | ALASKAN SCALLOP PROCESSING | 1 | 1 | 27 |
| 2091 | 2091 | CANNED AND CURED FISH AND SEAFOODS | 408 | L | SO NON-BREADED SHRIMP PROCESS/CNTG STS | 1 | 1 | 11 |
| 2091 | 2091 | CANNED AND CURED FISH AND SEAFOODS | 408 | S | WEST COAST MECHANIZED SALMON PROCESSING | 1 | 1 | 17 |
| 2091 | 2091 | CANNED AND CURED FISH AND SEAFOODS | 408 | U | NON-ALASKAN CONV BOTTOM FISH PROCESSING | 1 | 1 | 19 |
| 2091 | 2091 | CANNED AND CURED FISH AND SEAFOODS | 408 | J | REMOTE ALASKAN SHRIMP PROCESSING | 1 | 1 | 9 |
| 2091 | 2091 | CANNED AND CURED FISH AND SEAFOODS | 408 | P | ALASKAN HAND-BUTCHERED SALMON PROCESSING | 1 | 1 | 14 |
| 2091 | 2091 | CANNED AND CURED FISH AND SEAFOODS | 408 | AD | NON-ALASKAN SCALLOP PROCESSING | 1 | 1 | 28 |
| 2091 | 2091 | CANNED AND CURED FISH AND SEAFOODS | 408 | AE | ALASKAN HERRING FILLET PROCESSING | 1 | 1 | 29 |
| 2091 | 2091 | CANNED AND CURED FISH AND SEAFOODS | 408 | AF | NON-ALASKAN HERRING FILLET PROCESSING | 1 | 1 | 30 |
| 2091 | 2091 | CANNED AND CURED FISH AND SEAFOODS | 408 | AG | ABALONE PROCESSING | 1 | 1 | 31 |
| 2092 | 2092 | FRESH OR FROZEN PACKAGED FISH AND SEAFOODS | 408 | A | FARM RAISED CATFISH PROCESSING | 1 | 1 | 1 |
| 2092 | 2092 | FRESH OR FROZEN PACKAGED FISH AND SEAFOODS | 408 | Y | PAC COAST HAND-SHUCKED OYSTER PROCESSING | 1 | 1 | 24 |
| 2092 | 2092 | FRESH OR FROZEN PACKAGED FISH AND SEAFOODS | 408 | Z | AT/GLF CST HND-SHUCKED OYSTER PROCESSING | 1 | 1 | 25 |
| 2092 | 2092 | FRESH OR FROZEN PACKAGED FISH AND SEAFOODS | 408 | C | MECHANIZED BLUE CRAB PROCESSING | 1 | 1 | 3 |
| 2092 | 2092 | FRESH OR FROZEN PACKAGED FISH AND SEAFOODS | 408 | AB | SARDINE PROCESSING | 1 | 1 | 26 |
| 2092 | 2092 | FRESH OR FROZEN PACKAGED FISH AND SEAFOODS | 408 | E | REMOTE ALASKAN CRAB MEAT PROCESSING | 1 | 1 | 5 |
| 2092 | 2092 | FRESH OR FROZEN PACKAGED FISH AND SEAFOODS | 408 | AC | ALASKAN SCALLOP PROCESSING | 1 | 1 | 27 |
| 2092 | 2092 | FRESH OR FROZEN PACKAGED FISH AND SEAFOODS | 408 | G | REMOTE ALA WHOLE CRAB/SECTION PROCESSING | 1 | 1 | 7 |
| 2092 | 2092 | FRESH OR FROZEN PACKAGED FISH AND SEAFOODS | 408 | AD | NON-ALASKAN SCALLOP PROCESSING | 1 | 1 | 28 |
| 2092 | 2092 | FRESH OR FROZEN PACKAGED FISH AND SEAFOODS | 408 | I | NON-REMOTE ALASKAN SHRIMP PROCESSING | 1 | 1 | 9 |
| 2092 | 2092 | FRESH OR FROZEN PACKAGED FISH AND SEAFOODS | 408 | AE | ALASKAN HERRING FILLET PROCESSING | 1 | 1 | 29 |
| 2092 | 2092 | FRESH OR FROZEN PACKAGED FISH AND SEAFOODS | 408 | K | NORTHERN SHRIMP PROCESSING/CONTIG STATES | 1 | 1 | 11 |
| 2092 | 2092 | FRESH OR FROZEN PACKAGED FISH AND SEAFOODS | 408 | AF | NON-ALASKAN HERRING FILLET PROCESSING | 1 | 1 | 30 |
| 2092 | 2092 | FRESH OR FROZEN PACKAGED FISH AND SEAFOODS | 408 | M | BREADED SHRIMP PROCESSING/CONTIG STATES | 1 | 1 | 13 |
| 2092 | 2092 | FRESH OR FROZEN PACKAGED FISH AND SEAFOODS | 408 | AG | ABALONE PROCESSING | 1 | 1 | 31 |
| 2092 | 2092 | FRESH OR FROZEN PACKAGED FISH AND SEAFOODS | 408 | Q | ALASKAN MECHANIZED SALMON PROCESSING | 1 | 1 | 16 |
| 2092 | 2092 | FRESH OR FROZEN PACKAGED FISH AND SEAFOODS | 408 | P | ALASKAN HAND-BUTCHERED SALMON PROCESSING | 1 | 1 | 15 |
| 2092 | 2092 | FRESH OR FROZEN PACKAGED FISH AND SEAFOODS | 408 | S | WEST COAST MECHANIZED SALMON PROCESSING | 1 | 1 | 18 |
| 2092 | 2092 | FRESH OR FROZEN PACKAGED FISH AND SEAFOODS | 408 | U | NON-ALASKAN CONV BOTTOM FISH PROCESSING | 1 | 1 | 20 |
| 2092 | 2092 | FRESH OR FROZEN PACKAGED FISH AND SEAFOODS | 408 | H | DUNG & TANNER CRAB PROCESS/CONTIG STATES | 1 | 1 | 8 |
| 2092 | 2092 | FRESH OR FROZEN PACKAGED FISH AND SEAFOODS | 408 | J | REMOTE ALASKAN SHRIMP PROCESSING | 1 | 1 | 10 |
| 2092 | 2092 | FRESH OR FROZEN PACKAGED FISH AND SEAFOODS | 408 | X | MECHANIZED CLAM PROCESSING | 1 | 1 | 23 |
| 2092 | 2092 | FRESH OR FROZEN PACKAGED FISH AND SEAFOODS | 408 | D | NON-REMOTE ALASKAN CRAB MEAT PROCESSING | 1 | 1 | 4 |
| 2092 | 2092 | FRESH OR FROZEN PACKAGED FISH AND SEAFOODS | 408 | F | NON-REMOTE WHOLE CRAB/SECTION PROCESSING | 1 | 1 | 6 |
| 2092 | 2092 | FRESH OR FROZEN PACKAGED FISH AND SEAFOODS | 408 | W | HAND-SHUCKED CLAM PROCESSING | 1 | 1 | 22 |
| 2092 | 2092 | FRESH OR FROZEN PACKAGED FISH AND SEAFOODS | 408 | B | CONVENTIONAL BLUE CRAB PROCESSING | 1 | 1 | 2 |
| 2092 | 2092 | FRESH OR FROZEN PACKAGED FISH AND SEAFOODS | 408 | L | S NON-BREAD SHRIMP PROCESS/CONTIG STATES | 1 | 1 | 12 |
| 2092 | 2092 | FRESH OR FROZEN PACKAGED FISH AND SEAFOODS | 408 | N | TUNA PROCESSING | 1 | 1 | 14 |
| 2092 | 2092 | FRESH OR FROZEN PACKAGED FISH AND SEAFOODS | 408 | R | W COAST HAND BUTCHERED SALMON PROCESSING | 1 | 1 | 17 |
| 2092 | 2092 | FRESH OR FROZEN PACKAGED FISH AND SEAFOODS | 408 | T | ALASKAN BOTTOM FISH PROCESSING | 1 | 1 | 19 |
| 2092 | 2092 | FRESH OR FROZEN PACKAGED FISH AND SEAFOODS | 408 | V | NON-ALASKAN MECH BOTTOM FISH PROCESSING | 1 | 1 | 21 |
| 2095 | 2095 | ROASTED COFFEE | | NR | | 1 | 1 | 99 |
| 2097 | 2097 | MANUFACTURED ICE | | NR | | 1 | 1 | 99 |
| 2098 | 2098 | MACARONI, SPAGHETTI, VERMICELLI AND NOOD | | NR | | 1 | 1 | 99 |
| 2099 | 2099 | FOOD PREPARATIONS, NEC | | NR | | 1 | 1 | 99 |
| 2099 | 2096 | FOOD PREPARATIONS, NEC | | NR | | 1 | 1 | 99 |
| 2099 | 2068 | FOOD PREPARATIONS, NEC | | NR | | 1 | 1 | 99 |
| 2099 | 2066 | FOOD PREPARATIONS, NEC | | NR | | 1 | 1 | 99 |
| 2111 | 2111 | CIGARETTES | | NR | | 1 | 1 | 99 |

APPENDIX A
SIC Code Cross Reference
and Total and Human Health Toxicity Number

| 1972/ 1977 | 1987 | | CFR | CFR | Sub-part title | Human Health Toxicity Number | Total Toxicity Number | Industry Subcat Number |
|---------------|-------------|--|-------------|--------------|--------------------------------|---------------------------------------|-----------------------------|------------------------------|
| SIC Code | SIC Code | 1987 Title | CFR Part | Sub- Part | | | | |
| 2121 | 2121 | CIGARS | | NR | | 1 | 1 | 99 |
| 2131 | 2131 | TOBACCO (CHEWING AND SMOKING) AND SNUFF | | NR | | 1 | 1 | 99 |
| 2141 | 2141 | TOBACCO STEMMING AND REDRYING | | NR | | 1 | 1 | 99 |
| 2211 | 2211 | BROAD WOVEN FABRIC MILLS, COTTON | 410 | C | LOW WATER USE PROCESSING | 2 | 9 | 1 |
| 2211 | 2211 | BROAD WOVEN FABRIC MILLS, COTTON | 410 | C | LOW WATER USE PROCESSING | 2 | 9 | 2 |
| 2211 | 2211 | BROAD WOVEN FABRIC MILLS, COTTON | 410 | D | WOVEN FABRIC FINISHING | 9 | 10 | 3 |
| 2221 | 2221 | BROAD WOVEN FABRIC MILLS, SYNTHETICS | 410 | D | WOVEN FABRIC FINISHING | 9 | 10 | 3 |
| 2221 | 2221 | BROAD WOVEN FABRIC MILLS, SYNTHETICS | 410 | C | LOW WATER USE PROCESSING | 2 | 9 | 2 |
| 2221 | 2221 | BROAD WOVEN FABRIC MILLS, SYNTHETICS | 410 | C | LOW WATER USE PROCESSING | 2 | 9 | 1 |
| 2231 | 2231 | BROAD WOVEN FABRIC MILLS, WOOL | 410 | B | WOOL FINISHING | 9 | 10 | 2 |
| 2231 | 2231 | BROAD WOVEN FABRIC MILLS, WOOL | 410 | C | LOW WATER USE PROCESSING | 2 | 9 | 1 |
| 2241 | 2241 | NARROW FABRICS AND OTHER SMALLWARES MILL | 410 | C | LOW WATER USE PROCESSING | 2 | 9 | 1 |
| 2241 | 2241 | NARROW FABRICS AND OTHER SMALLWARES MILL | 410 | C | LOW WATER USE PROCESSING | 2 | 9 | 2 |
| 2251 | 2251 | WOMEN'S FULL LENGTH & KNEE LENGTH HOSIER | 410 | E | KNIT FABRIC FINISHING | 9 | 10 | 0 |
| 2251 | 2251 | WOMEN'S FULL LENGTH & KNEE LENGTH HOSIER | | NR | NO FINISHING | 1 | 1 | 99 |
| 2252 | 2252 | HOSIERY, EXC WOMEN'S FULL LENGTH & KNEE | 410 | E | KNIT FABRIC FINISHING | 9 | 10 | 0 |
| 2252 | 2252 | HOSIERY, EXC WOMEN'S FULL LENGTH & KNEE | | NR | NO FINISHING | 1 | 1 | 99 |
| 2253 | 2253 | KNIT OUTERWEAR MILLS | 410 | E | KNIT FABRIC FINISHING | 9 | 10 | 0 |
| 2253 | 2253 | KNIT OUTERWEAR MILLS | | NR | NO FINISHING | 1 | 1 | 99 |
| 2254 | 2254 | KNIT UNDERWEAR MILLS | 410 | E | KNIT FABRIC FINISHING | 9 | 10 | 0 |
| 2254 | 2254 | KNIT UNDERWEAR MILLS | | NR | NO FINISHING | 1 | 1 | 99 |
| 2257 | 2257 | CIRCULAR KNIT FABRIC MILLS | 410 | E | KNIT FABRIC FINISHING | 9 | 10 | 0 |
| 2257 | 2257 | CIRCULAR KNIT FABRIC MILLS | | NR | NO FINISHING | 1 | 1 | 99 |
| 2258 | 2258 | WARP KNIT FABRIC MILLS | 410 | E | KNIT FABRIC FINISHING | 9 | 10 | 0 |
| 2258 | 2258 | WARP KNIT FABRIC MILLS | | NR | NO FINISHING | 1 | 1 | 99 |
| 2259 | 2259 | KNITTING MILLS, NEC | 410 | E | KNIT FABRIC FINISHING | 9 | 10 | 0 |
| 2259 | 2259 | KNITTING MILLS, NEC | | NR | NO FINISHING | 1 | 1 | 99 |
| 2261 | 2261 | FINISHERS OF BROAD WOVEN FABRICS OF COTT | 410 | D | WOVEN FABRIC FINISHING | 9 | 10 | 0 |
| 2262 | 2262 | FINISHERS OF BROAD WOVEN FABRICS/MAN-MAD | 410 | D | WOVEN FABRIC FINISHING | 9 | 10 | 0 |
| 2269 | 2269 | FINISHERS OF TEXTILES, NEC | 410 | D | WOVEN FABRIC FINISHING | 9 | 10 | 1 |
| 2269 | 2269 | FINISHERS OF TEXTILES, NEC | 410 | G | STOCK & YARN FINISHING | 7 | 9 | 2 |
| 2271 | 2273 | WOVEN CARPETS AND RUGS | 410 | C | LOW WATER USE PROCESSING | 2 | 9 | 2 |
| 2271 | 2273 | WOVEN CARPETS AND RUGS | 410 | F | CARPET FINISHING | 1 | 8 | 1 |
| 2272 | 2273 | TUFTED CARPETS AND RUGS | 410 | C | LOW WATER USE PROCESSING | 2 | 9 | 1 |
| 2272 | 2273 | TUFTED CARPETS AND RUGS | 410 | F | CARPET FINISHING | 1 | 8 | 2 |
| 2279 | 2273 | CARPETS AND RUGS, NEC | 410 | F | CARPET FINISHING | 1 | 8 | 1 |
| 2279 | 2273 | CARPETS AND RUGS, NEC | 410 | C | LOW WATER USE PROCESSING | 2 | 9 | 2 |
| 2281 | 2281 | YARN SPINNING MILLS:COTTON, MAN-MADE FIB | 410 | C | LOW WATER USE PROCESSING | 2 | 9 | 2 |
| 2281 | 2281 | YARN SPINNING MILLS:COTTON, MAN-MADE FIB | 410 | C | LOW WATER USE PROCESSING | 2 | 9 | 1 |
| 2282 | 2282 | YARN TEXTURIZING, THROWING, TWISTING & W | 410 | C | LOW WATER USE PROCESSING | 2 | 9 | 1 |
| 2282 | 2282 | YARN TEXTURIZING, THROWING, TWISTING & W | 410 | C | LOW WATER USE PROCESSING | 2 | 9 | 2 |
| 2283 | 2284 | YARN MILLS, WOOL, INCLUDING CARPET & RUG | 410 | C | LOW WATER USE PROCESSING | 2 | 9 | 1 |
| 2283 | 2281 | YARN MILLS, WOOL, INCLUDING CARPET & RUG | 410 | C | LOW WATER USE PROCESSING | 2 | 9 | 2 |
| 2283 | 2282 | YARN MILLS, WOOL, INCLUDING CARPET AND R | 410 | C | LOW WATER USE PROCESSING | 2 | 9 | 3 |
| 2283 | 2284 | YARN MILLS, WOOL, INCLUDING CARPET AND R | 410 | G | STOCK AND YARN FINISHING | 7 | 9 | 4 |
| 2284 | 2284 | THREAD MILLS | 410 | C | LOW WATER USE PROCESSING | 2 | 9 | 1 |
| 2284 | 2284 | THREAD MILLS | 410 | G | STOCK AND YARN FINISHING | 7 | 9 | 2 |
| 2291 | 2299 | FELT GOODS, EXC WOVEN FELTS AND HATS | 410 | I | FELTED FABRIC PROCESSING | 1 | 5 | 0 |
| 2292 | 2258 | LACE GOODS | 410 | C | LOW WATER USE PROCESSING | 2 | 9 | 1 |
| 2292 | 2258 | LACE GOODS | 410 | E | KNIT FABRIC FINISHING | 9 | 10 | 2 |
| 2293 | 2299 | PADDINGS AND UPHOLSTERY FILLING | | NR | PADDING AND UPHOLSTERY FILLING | 1 | 1 | 99 |
| 2294 | 2299 | PROCESSED WASTE AND RECOVERED FIBERS AND | 410 | C | LOW WATER USE PROCESSING | 2 | 9 | 0 |
| 2295 | 2295 | COATED FABRICS, NOT RUBBERIZED | 410 | C | LOW WATER USE PROCESSING | 2 | 9 | 0 |
| 2296 | 2296 | TIRE CORD AND FABRIC | 410 | C | LOW WATER USE PROCESSING | 2 | 9 | 0 |

APPENDIX A
SIC Code Cross Reference
and Total and Human Health Toxicity Number

| 1972/ 1977 | 1987 | | CFR | | | Human Health Toxicity Number | Total Toxicity Number | Industry Subcat Number |
|---------------|-------------|--|-------------|--------------|----------------------------|---------------------------------------|-----------------------------|------------------------------|
| SIC Code | SIC Code | 1987 Title | CFR Part | Sub- Part | Sub-part title | | | |
| 2297 | 2297 | NONWOVEN FABRICS | 410 | H | NONWOVEN MANUFACTURING | 1 | 8 | 0 |
| 2298 | 2298 | CORDAGE AND TWINE | 410 | C | LOW WATER USE PROCESSING | 2 | 9 | 0 |
| 2299 | 2299 | TEXTILE GOODS NEC | 410 | A | WOOL SCOURING | 10 | 10 | 1 |
| 2299 | 2299 | TEXTILE GOODS NEC | 410 | C | LOW WATER USE PROCESSING | 2 | 9 | 2 |
| 2311 | 2311 | MEN'S, YOUTH'S, BOY'S SHIRTS (EXCEPT WOR | | NR | | 1 | 1 | 99 |
| 2321 | 2321 | MEN'S, YOUTH'S, BOY'S SHIRTS (EXCEPT WOR | | NR | | 1 | 1 | 99 |
| 2321 | 2322 | MEN'S, YOUTH'S, BOY'S SHIRTS (EXCEPT WOR | | NR | | 1 | 1 | 99 |
| 2322 | 2322 | MEN'S, YOUTH'S & BOY'S UNDERWEAR | | NR | | 1 | 1 | 99 |
| 2323 | 2323 | MEN'S, YOUTH'S & BOY'S NECKWEAR | | NR | | 1 | 1 | 99 |
| 2327 | 2325 | MEN'S, YOUTH'S & BOY'S SEPARATE TROUSERS | | NR | | 1 | 1 | 99 |
| 2328 | 2325 | MEN'S, YOUTH'S & BOY'S WORK CLOTHING | | NR | | 1 | 1 | 99 |
| 2328 | 2326 | MEN'S, YOUTH'S & BOY'S WORK CLOTHING | | NR | | 1 | 1 | 99 |
| 2329 | 2329 | MEN'S, YOUTH'S & BOY'S CLOTHING, NEC | | NR | | 1 | 1 | 99 |
| 2331 | 2331 | WOMEN'S, MISSES & JUNIORS' BLOUSES, WAIS | | NR | | 1 | 1 | 99 |
| 2335 | 2335 | WOMEN'S, MISSES' & JUNIORS' DRESSES | | NR | | 1 | 1 | 99 |
| 2337 | 2337 | WOMEN'S, MISSES' & JUNIORS' SUITS, SHIRT | | NR | | 1 | 1 | 99 |
| 2339 | 2339 | WOMEN'S, MISSES' & JUNIORS' OUTERWEAR, W | | NR | | 1 | 1 | 99 |
| 2341 | 2341 | WOMEN'S, MISSES', CHILDREN'S & INFANTS' | | NR | | 1 | 1 | 99 |
| 2342 | 2342 | BRASSIERS, GIRDLES & ALLIED GARMENTS | | NR | | 1 | 1 | 99 |
| 2351 | 2353 | MILLINERY | | NR | | 1 | 1 | 99 |
| 2352 | 2353 | HATS & COATS, EXCEPT MILLINERY | | NR | | 1 | 1 | 99 |
| 2361 | 2361 | GIRL'S, CHILDREN'S & INFANT'S DRESSES, B | | NR | | 1 | 1 | 99 |
| 2363 | 2369 | GIRL'S, CHILDREN'S & INFANT'S COATS & SU | | NR | | 1 | 1 | 99 |
| 2369 | 2369 | GIRL'S, CHILDREN'S & INFANT'S OUTERWEAR, | | NR | | 1 | 1 | 99 |
| 2371 | 2371 | FUR GOODS | | NR | | 1 | 1 | 99 |
| 2381 | 2381 | DRESS & WORK GLOVES, EXCEPT KNIT & ALL-L | | NR | | 1 | 1 | 99 |
| 2384 | 2384 | ROBES & DRESSING GOWNS | | NR | | 1 | 1 | 99 |
| 2385 | 2385 | RAINCOATS & OTHER WATERPROOF OUTER GARME | | NR | | 1 | 1 | 99 |
| 2386 | 2386 | LEATHER & SHEEP-LINED CLOTHING | | NR | | 1 | 1 | 99 |
| 2387 | 2387 | APPAREL BELTS | | NR | | 1 | 1 | 99 |
| 2389 | 2389 | APPAREL & ACCESSORIES, NEC | | NR | | 1 | 1 | 99 |
| 2391 | 2391 | CURTAINS & DRAPERIES | | NR | | 1 | 1 | 99 |
| 2392 | 2392 | HOUSEFURNISHINGS, EXCEPT CURTAINS & DRAP | | NR | | 1 | 1 | 99 |
| 2393 | 2393 | TEXTILE BAGS | | NR | | 1 | 1 | 99 |
| 2394 | 2394 | CANVAS & RELATED PRODUCTS | | NR | | 1 | 1 | 99 |
| 2395 | 2395 | PLEATING, DECORATIVE & NOVELTY STITCHING | | NR | | 1 | 1 | 99 |
| 2396 | 2396 | AUTOMOTIVE TRIMMINGS, APPAREL FINDINGS | | NR | | 1 | 1 | 99 |
| 2397 | 2397 | SCHIFFLI MACHINE EMBROIDERIES | | NR | | 1 | 1 | 99 |
| 2399 | 2399 | FABRICATED TEXTILE PRODUCTS, NEC | | NR | | 1 | 1 | 99 |
| 2411 | 2411 | LOGGING CAMPS AND LOGGING CONTRACTORS | 429 | I | WET STORAGE | 1 | 1 | 1 |
| 2411 | 2411 | LOGGING CAMPS AND LOGGING CONTRACTORS | 429 | U | LOG WASHING | 1 | 1 | 2 |
| 2411 | 2411 | LOGGING CAMPS AND LOGGING CONTRACTORS | | NR | | 1 | 1 | 99 |
| 2421 | 2411 | SAWMILLS & PLANING MILLS, GENERAL | | | | 3 | 3 | 1 |
| 2421 | 2421 | SAWMILLS & PLANING MILLS, GENERAL | 429 | A | BARKING | 1 | 1 | 2 |
| 2421 | 2421 | SAWMILLS & PLANING MILLS, GENERAL | 429 | K | SAWMILLS AND PLANING MILLS | 1 | 1 | 3 |
| 2421 | 2421 | SAWMILLS & PLANING MILLS, GENERAL | 429 | L | FINISHING | 1 | 1 | 4 |
| 2426 | 2426 | HARDWOOD DIMENSION & FLOORING MILLS | 429 | A | BARKING | 1 | 1 | 1 |
| 2426 | 2426 | HARDWOOD DIMENSION & FLOORING MILLS | 429 | I | WET STORAGE | 1 | 1 | 2 |
| 2426 | 2426 | HARDWOOD DIMENSION & FLOORING MILLS | 429 | J | LOG WASHING | 1 | 1 | 3 |
| 2426 | 2426 | HARDWOOD DIMENSION & FLOORING MILLS | 429 | K | SAWMILLS AND PLANING MILLS | 1 | 1 | 4 |
| 2426 | 2426 | HARDWOOD DIMENSION & FLOORING MILLS | 429 | L | FINISHING | 1 | 1 | 5 |
| 2429 | 2429 | SPECIAL PRODUCT SAWMILLS NEC | 429 | I | WET STORAGE | 1 | 1 | 1 |
| 2429 | 2429 | SPECIAL PRODUCT SAWMILLS NEC | 429 | J | LOG WASHING | 1 | 1 | 2 |
| 2429 | 2429 | SPECIAL PRODUCT SAWMILLS NEC | 429 | K | SAWMILLS AND PLANING MILLS | 1 | 1 | 3 |

APPENDIX A
SIC Code Cross Reference
and Total and Human Health Toxicity Number

| 1972/ 1977 | 1987 | | CFR | CFR | | Human | Total | Industry |
|---------------|------|---|------|------|--|--------|----------|----------|
| SIC | SIC | 1987 | CFR | Sub- | Sub-part title | Health | Toxicity | Subcat |
| Code | Code | Title | Part | Part | | Number | Number | Number |
| 2429 | 2429 | SPECIAL PRODUCT SAWMILLS NEC | 429 | L | MILLWORK | 1 | 1 | 4 |
| 2431 | 2431 | MILLWORK | 429 | K | SAWMILLS AND PLANING MILLS | 1 | 1 | 1 |
| 2431 | 2431 | MILLWORK | 429 | L | MILLWORK | 1 | 1 | 2 |
| 2434 | 2434 | WOOD KITCHEN CABINETS | 429 | O | WOOD FURN & FIXTURE PROD W/O WATER | 1 | 1 | 1 |
| 2434 | 2434 | WOOD KITCHEN CABINETS | 429 | P | WOOD FURN & FIXTURE PRODUCTION W/WATER | 1 | 1 | 2 |
| 2435 | 2435 | HARDWOOD VENEER AND PLYWOOD | 429 | A | BARKING | 1 | 1 | 1 |
| 2435 | 2435 | HARDWOOD VENEER AND PLYWOOD | 429 | B | VENEER | 1 | 1 | 3 |
| 2435 | 2435 | HARDWOOD VENEER AND PLYWOOD | 429 | C | PLYWOOD | 1 | 1 | 2 |
| 2435 | 2435 | HARDWOOD VENEER AND PLYWOOD | 429 | I | WET STORAGE | 1 | 1 | 4 |
| 2435 | 2435 | HARDWOOD VENEER AND PLYWOOD | 429 | J | LOG WASHING | 1 | 1 | 5 |
| 2436 | 2436 | SOFTWOOD VENEER AND PLYWOOD | 429 | A | BARKING | 1 | 1 | 1 |
| 2436 | 2436 | SOFTWOOD VENEER AND PLYWOOD | 429 | B | VENEER | 1 | 1 | 3 |
| 2436 | 2436 | SOFTWOOD VENEER AND PLYWOOD | 429 | C | PLYWOOD | 1 | 1 | 2 |
| 2436 | 2436 | SOFTWOOD VENEER AND PLYWOOD | 429 | I | WET STORAGE | 1 | 1 | 4 |
| 2436 | 2436 | SOFTWOOD VENEER AND PLYWOOD | 429 | J | LOG WASHING | 1 | 1 | 5 |
| 2439 | 2439 | STRUCTURAL WOOD MEMBERS, NEC | | NR | | 1 | 1 | 99 |
| 2441 | 2441 | NAILED & LOCK CORNER WOOD BOXES & SHOOK | | NR | | 1 | 1 | 99 |
| 2448 | 2448 | WOOD PALLETS AND SKIDS | | NR | | 1 | 1 | 99 |
| 2449 | 2449 | WOOD CONTAINERS NEC | 429 | K | SAWMILLS & PLANING MILLS | 1 | 1 | 0 |
| 2451 | 2451 | MOBILE HOMES | | NR | | 1 | 1 | 99 |
| 2452 | 2452 | PREFABRICATED WOOD BUILDINGS AND COMPONE | | NR | | 1 | 1 | 99 |
| 2491 | 2491 | WOOD PRESERVING | 429 | A | BARKING | 10 | 10 | 4 |
| 2491 | 2491 | WOOD PRESERVING | 429 | J | LOG WASHING | 10 | 10 | 6 |
| 2491 | 2491 | WOOD PRESERVING | 429 | G | WOOD PRESERVING-STEAM | 10 | 10 | 1 |
| 2491 | 2491 | WOOD PRESERVING | 429 | H | WOOD PRESERVING-BOULTONIZING | 10 | 10 | 2 |
| 2491 | 2491 | WOOD PRESERVING | 429 | I | WET STORAGE | 10 | 10 | 5 |
| 2491 | 2491 | WOOD PRESERVING | 429 | F | WOOD PRESERVING | 10 | 10 | 3 |
| 2492 | 2493 | PARTICLEBOARD | 429 | M | PARTICLEBOARD | 3 | 3 | 0 |
| 2499 | 2493 | WOOD PRODUCTS NEC | | NR | | 3 | 3 | 99 |
| 2499 | 2499 | WOOD PRODUCTS, NEC | 429 | M | PARTICLEBOARD | 1 | 1 | 1 |
| 2499 | 2499 | WOOD PRODUCTS, NEC | 429 | A | BARKING | 1 | 1 | 2 |
| 2499 | 2499 | WOOD PRODUCTS, NEC | 429 | D | HARDBOARD - DRY PROCESS | 1 | 1 | 3 |
| 2499 | 2499 | WOOD PRODUCTS, NEC | 429 | E | HARDBOARD - WET PROCESS | 1 | 7 | 4 |
| 2499 | 2499 | WOOD PRODUCTS, NEC | 429 | I | WET STORAGE | 1 | 1 | 5 |
| 2499 | 2499 | WOOD PRODUCTS, NEC | 429 | J | LOG WASHING | 1 | 1 | 6 |
| 2499 | 2499 | WOOD PRODUCTS, NEC | 429 | L | FINISHING | 1 | 1 | 7 |
| 2511 | 2511 | WOOD HOUSEHOLD FURNITURE, EXCEPT UPHOLST | 429 | O | WOOD FURN & FIXTURE PROD W/O WATER | 1 | 1 | 1 |
| 2511 | 2511 | WOOD HOUSEHOLD FURNITURE, EXCEPT UPHOLST | 429 | P | WOOD FURN & FIXTURE PROD W/ WATER | 1 | 1 | 2 |
| 2512 | 2512 | WOOD HOUSEHOLD FURNITURE, UPHOLSTERED | 429 | O | WOOD FURN & FIXTURE PROD W/O WATER | 1 | 1 | 1 |
| 2512 | 2512 | WOOD HOUSEHOLD FURNITURE, UPHOLSTERED | 429 | P | WOOD FURN & FIXTURE PROD W/ WATER | 1 | 1 | 2 |
| 2514 | 2514 | METAL HOUSEHOLD FURNITURE | 433 | A | METAL FINISHING | 1 | 9 | 1 |
| 2514 | 2514 | METAL HOUSEHOLD FURNITURE | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 2515 | 2515 | MATTRESSES AND BEDSPRINGS | | NR | | 1 | 1 | 99 |
| 2517 | 2517 | WOOD TV, RADIO, PHONOGRAPH & SEWING MACH | 429 | O | WOOD FURN & FIXTURE PROD W/O WATER | 1 | 1 | 1 |
| 2517 | 2517 | WOOD TV, RADIO, PHONOGRAPH & SEWING MACH | 429 | P | WOOD FURN & FIXTURE PROD W/ WATER | 1 | 1 | 2 |
| 2519 | 2519 | HOUSEHOLD FURNITURE, NEC | 429 | P | WOOD FURN & FIXTURE PROD W/ WATER | 1 | 1 | 2 |
| 2519 | 2519 | HOUSEHOLD FURNITURE, NEC | 429 | O | WOOD FURN & FIXTURE PROD W/O WATER | 1 | 1 | 1 |
| 2521 | 2521 | WOOD OFFICE FURNITURE | 429 | O | WOOD FURN & FIXTURE PROD W/O WATER | 1 | 1 | 1 |
| 2521 | 2521 | WOOD OFFICE FURNITURE | 429 | P | WOOD FURN & FIXTURE PROD W/ WATER | 1 | 1 | 2 |
| 2522 | 2522 | METAL OFFICE FURNITURE | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 2522 | 2522 | METAL OFFICE FURNITURE | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 2531 | 2531 | PUBLIC BUILDING AND RELATED FURNITURE | 429 | O | WOOD FURN & FIXTURE PROD W/O WATER | 1 | 1 | 1 |
| 2531 | 2531 | PUBLIC BUILDING AND RELATED FURNITURE | 429 | P | WOOD FURN & FIXTURE PROD W/ WATER | 1 | 1 | 2 |
| 2541 | 2541 | WOOD PARTITIONS, SHELVEING, LOCKERS & OFF | 429 | O | WOOD FURN & FIXTURE PROD W/O WATER | 1 | 1 | 1 |

APPENDIX A
SIC Code Cross Reference
and Total and Human Health Toxicity Number

| 1972/ 1977 | 1987 | CFR | Human | Total | Industry | | | |
|---------------|------|---|----------|----------|--|----|----|----|
| SIC | SIC | 1987 | Health | Toxicity | Subcat | | | |
| Code | Code | Title | Toxicity | Number | Number | | | |
| | | | Number | Number | Number | | | |
| 2541 | 2541 | WOOD PARTITIONS, SHELIVING, LOCKERS & OFF | 429 | P | WOOD FURN & FIXTURE PROD W/O WATER | 1 | 1 | 2 |
| 2542 | 2542 | METAL PARTITIONS, SHELIVING, LOCKERS & OF | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 2542 | 2542 | METAL PARTITIONS, SHELIVING, LOCKERS & OF | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 2591 | 2591 | DRAPERY HARDWARE & WINDOW BLINDS AND SHA | | NR | | 1 | 1 | 99 |
| 2599 | 2522 | FURNITURE AND FIXTURES, NEC | 433 | A | METAL FINISHING | 1 | 9 | 1 |
| 2599 | 2522 | FURNITURE AND FIXTURES, NEC | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 2599 | 2542 | FURNITURE AND FIXTURES, NEC | 433 | A | METAL FINISHING | 1 | 9 | 2 |
| 2599 | 2542 | FURNITURE AND FIXTURES, NEC | | | NO ELECTROPLATING | 1 | 1 | 3 |
| 2599 | 2599 | FURNITURE AND FIXTURES, NEC | 429 | O | WOOD FURNITURE & FIXTURE PROD. W/O WATER | 1 | 1 | 4 |
| 2599 | 2599 | FURNITURE AND FIXTURES, NEC | 429 | P | WOOD FURNITURE & FIXTURE PROD. W/ WATER | 1 | 1 | 5 |
| 2611 | 2611 | PULP MILLS | 430 | A | UNBLEACHED KRAFT | 10 | 10 | 1 |
| 2611 | 2611 | PULP MILLS | 430 | B | SEMI-CHEMICAL | 1 | 5 | 2 |
| 2611 | 2611 | PULP MILLS | 430 | J | PAPER GRADE SULFITE(BLOW PIT WASH) | 10 | 10 | 8 |
| 2611 | 2611 | PULP MILLS | 430 | D | UNBL KRAFT-NTRL SULFITE-SEMI-CHEM | 10 | 10 | 3 |
| 2611 | 2611 | PULP MILLS | 430 | G | MARKET BLEACHED KRAFT | 10 | 10 | 5 |
| 2611 | 2611 | PULP MILLS | 430 | H | BOARD, COARSE & KRAFT BLEACHED KRAFT | 10 | 10 | 6 |
| 2611 | 2611 | PULP MILLS | 430 | I | FINE BLEACHED KRAFT | 10 | 10 | 7 |
| 2611 | 2611 | PULP MILLS | 430 | F | DISSOLVING KRAFT | 10 | 10 | 4 |
| 2611 | 2611 | PULP MILLS | 430 | K | DISSOLVING SULFITE PULP | 10 | 10 | 9 |
| 2611 | 2611 | PULP MILLS | 430 | L | GROUNDWOOD CHEMI-MECHANICAL | 2 | 4 | 10 |
| 2611 | 2611 | PULP MILLS | 430 | M | GROUNDWOOD THERMO-MECHANICAL | 2 | 4 | 11 |
| 2611 | 2611 | PULP MILLS | 430 | N | GROUNDWOOD COARSE, MOLDED & NEWS PAPERS | 2 | 4 | 12 |
| 2611 | 2611 | PULP MILLS | 430 | O | GROUNDWOOD FINE PAPERS | 2 | 4 | 13 |
| 2611 | 2611 | PULP MILLS | 430 | P | SODA | 4 | 5 | 14 |
| 2611 | 2611 | PULP MILLS | 430 | U | PAPER GRADE SULFITE (DRUM WASH) | 8 | 8 | 15 |
| 2611 | 2611 | PULP MILLS | 430 | V | UNBLEACHED KRAFT & SEMI-CHEMICAL | 10 | 10 | 16 |
| 2621 | 2611 | PAPER MILLS EXCEPT BUILDING PAPER | 430 | A | UNBLEACHED KRAFT | 10 | 10 | 1 |
| 2621 | 2611 | PAPER MILLS EXCEPT BUILDING PAPER | 430 | B | SEMI-CHEMICAL | 1 | 5 | 2 |
| 2621 | 2611 | PAPER MILLS EXCEPT BUILDING PAPER | 430 | D | UNBL KRAFT-NTRL SULFITE SEMI-CHEM | 10 | 10 | 3 |
| 2621 | 2611 | PAPER MILLS EXCEPT BUILDING PAPER | 430 | F | DISSOLVING KRAFT | 10 | 10 | 4 |
| 2621 | 2611 | PAPER MILLS EXCEPT BUILDING PAPER | 430 | G | MARKET BLEACHED KRAFT | 10 | 10 | 5 |
| 2621 | 2611 | PAPER MILLS EXCEPT BUILDING PAPER | 430 | H | BOARD, COARSE & KRAFT BLEACHED KRAFT | 10 | 10 | 6 |
| 2621 | 2611 | PAPER MILLS EXCEPT BUILDING PAPER | 430 | I | FINE BLEACHED KRAFT | 10 | 10 | 7 |
| 2621 | 2611 | PAPER MILLS EXCEPT BUILDING PAPER | 430 | J | PAPER GRADE SULFITE(BLOW PIT WASH) | 10 | 10 | 8 |
| 2621 | 2611 | PAPER MILLS EXCEPT BUILDING PAPER | 430 | O | GROUNDWOOD FINE PAPERS | 2 | 4 | 13 |
| 2621 | 2611 | PAPER MILLS EXCEPT BUILDING PAPER | 430 | L | GROUNDWOOD CHEMI-MECHANICAL | 2 | 4 | 10 |
| 2621 | 2611 | PAPER MILLS EXCEPT BUILDING PAPER | 430 | M | GROUNDWOOD THERMO-MECHANICAL | 2 | 4 | 11 |
| 2621 | 2611 | PAPER MILLS EXCEPT BUILDING PAPER | 430 | N | GROUNDWOOD COARSE, MOLDED & NEWSPAPERS | 2 | 4 | 12 |
| 2621 | 2611 | PAPER MILLS EXCEPT BUILDING PAPER | 430 | K | DISSOLVING SUFFITE PULP | 10 | 10 | 9 |
| 2621 | 2611 | PAPER MILLS EXCEPT BUILDING PAPER | 430 | P | SODA | 4 | 5 | 14 |
| 2621 | 2611 | PAPER MILLS EXCEPT BUILDING PAPER | 430 | U | PAPER GRADE SULFITE (DRUM WASH) | 8 | 8 | 15 |
| 2621 | 2611 | PAPER MILLS EXCEPT BUILDING PAPER | 430 | V | UNBLEACHED KRAFT AND SEMI-CHEMICAL | 10 | 10 | 16 |
| 2621 | 2621 | PAPER MILLS EXCEPT BUILDING PAPER | 430 | A | UNBLEACHED KRAFT | 10 | 10 | 17 |
| 2621 | 2621 | PAPER MILLS EXCEPT BUILDING PAPER | 430 | B | SEMI-CHEMICAL | 1 | 5 | 18 |
| 2621 | 2621 | PAPER MILLS EXCEPT BUILDING PAPER | 430 | D | UNBLEACHED KRAFT-NTRL SULFITE-SEMI-CHEM | 10 | 10 | 19 |
| 2621 | 2621 | PAPER MILLS EXCEPT BUILDING PAPER | 430 | U | PAPERGRADE SULFITE (DRUM WASH) | 8 | 8 | 30 |
| 2621 | 2621 | PAPER MILLS EXCEPT BUILDING PAPER | 430 | V | UNBLEACHED KRAFT & SEMI-CHEMICAL | 10 | 10 | 31 |
| 2621 | 2621 | PAPER MILLS EXCEPT BUILDING PAPER | 430 | I | FINE BLEACHED KRAFT | 10 | 10 | 21 |
| 2621 | 2621 | PAPER MILLS EXCEPT BUILDING PAPER | 430 | X | NONINTEGRATED LIGHTWEIGHT PAPERS | 1 | 2 | 32 |
| 2621 | 2621 | PAPER MILLS EXCEPT BUILDING PAPER | 430 | L | GROUNDWOOD CHEMI-MECHANICAL | 2 | 4 | 23 |
| 2621 | 2621 | PAPER MILLS EXCEPT BUILDING PAPER | 430 | Y | NONINTEGRATED FILTER AND NONWOVEN PAPERS | 1 | 5 | 33 |
| 2621 | 2621 | PAPER MILLS EXCEPT BUILDING PAPER | 430 | N | GROUNDWOOD COARSE, MOLDED & NEWSPAPERS | 2 | 4 | 25 |
| 2621 | 2621 | PAPER MILLS EXCEPT BUILDING PAPER | 430 | P | SODA | 4 | 5 | 27 |
| 2621 | 2621 | PAPER MILLS EXCEPT BUILDING PAPER | 430 | R | NONINTEGRATED FINE PAPERS | 1 | 5 | 29 |

APPENDIX A
SIC Code Cross Reference
and Total and Human Health Toxicity Number

| 1972/ 1977 | 1987 | | CFR | CFR | | Human | Total | Industry |
|---------------|------|--|------|------|--|----------|----------|----------|
| SIC | SIC | 1987 | CFR | Sub- | Sub-part title | Health | Toxicity | Subcat |
| Code | Code | Title | Part | Part | | Toxicity | Number | Number |
| | | | | | | Number | Number | Number |
| 2621 | 2621 | PAPER MILLS EXCEPT BUILDING PAPER | 430 | H | BOARD, COARSE & TISSUE BLEACHED KRAFT | 10 | 10 | 20 |
| 2621 | 2621 | PAPER MILLS EXCEPT BUILDING PAPER | 430 | J | PAPER GRADE SULFITE (BLOW PIT WASH) | 10 | 10 | 22 |
| 2621 | 2621 | PAPER MILLS EXCEPT BUILDING PAPER | 430 | M | GROUNDWOOD THERMO-MECHANICAL | 2 | 4 | 24 |
| 2621 | 2621 | PAPER MILLS EXCEPT BUILDING PAPER | 430 | O | GROUNDWOOD FINE PAPERS | 2 | 4 | 26 |
| 2621 | 2621 | PAPER MILLS EXCEPT BUILDING PAPER | 430 | Q | DEINK | 4 | 7 | 28 |
| 2631 | 2611 | PAPERBOARD MILLS | 430 | A | UNBLEACHED KRAFT | 10 | 10 | 1 |
| 2631 | 2611 | PAPERBOARD MILLS | 430 | B | SEMI-CHEMICAL | 1 | 5 | 2 |
| 2631 | 2611 | PAPERBOARD MILLS | 430 | D | UNBLEACHED KRAFT-NTRL SULFITE-SEMI-CHEM | 10 | 10 | 3 |
| 2631 | 2611 | PAPERBOARD MILLS | 430 | H | BOARD, COARSE & TISSUE BLEACHED KRAFT | 10 | 10 | 4 |
| 2631 | 2611 | PAPERBOARD MILLS | 430 | I | FINE BLEACHED KRAFT | 10 | 10 | 5 |
| 2631 | 2611 | PAPERBOARD MILLS | 430 | J | PAPER GRADE SULFITE (BLOW PIT WASH) | 5 | 8 | 6 |
| 2631 | 2611 | PAPERBOARD MILLS | 430 | L | GROUNDWOOD CHEMI-MECHANICAL | 2 | 4 | 7 |
| 2631 | 2611 | PAPERBOARD MILLS | 430 | M | GROUNDWOOD THERMO-MECHANICAL | 2 | 4 | 8 |
| 2631 | 2631 | PAPERBOARD MILLS | 430 | A | SEMI-CHEMICAL | 1 | 5 | 19 |
| 2631 | 2611 | PAPERBOARD MILLS | 430 | N | GROUNDWOOD COARSE, MOLDED & NEWSPAPERS | 2 | 4 | 9 |
| 2631 | 2631 | PAPERBOARD MILLS | 430 | D | UNBL KRAFT NTRL SULFITE SEMI-CHEM. | 10 | 10 | 20 |
| 2631 | 2611 | PAPERBOARD MILLS | 430 | P | SODA | 4 | 5 | 11 |
| 2631 | 2631 | PAPERBOARD MILLS | 430 | E | PAPERBOARD FROM WASTEPAPER | 2 | 6 | 21 |
| 2631 | 2611 | PAPERBOARD MILLS | 430 | R | NONINTEGRATED FINE PAPERS | 1 | 5 | 13 |
| 2631 | 2631 | PAPERBOARD MILLS | 430 | H | BOARD, COARSE TISSUE BLEACHED KRAFT | 10 | 10 | 22 |
| 2631 | 2611 | PAPERBOARD MILLS | 430 | V | UNBLEACHED KRAFT & SEMI-CHEMICAL | 10 | 10 | 15 |
| 2631 | 2631 | PAPERBOARD MILLS | 430 | S | NONINTEGRATED TISSUE PAPERS | 1 | 4 | 23 |
| 2631 | 2611 | PAPERBOARD MILLS | 430 | Y | NONINTEGRATED FILTER AND NONWOVEN PAPERS | 1 | 5 | 17 |
| 2631 | 2631 | PAPERBOARD MILLS | 430 | V | UNBLEACHED KRAFT AND SEMI-CHEMICAL | 10 | 10 | 24 |
| 2631 | 2611 | PAPERBOARD MILLS | 430 | O | GROUNDWOOD FINE PAPERS | 2 | 4 | 10 |
| 2631 | 2611 | PAPERBOARD MILLS | 430 | U | PAPERGRADE SULFITE (DRUM WASH) | 1 | 8 | 14 |
| 2631 | 2611 | PAPERBOARD MILLS | 430 | X | NONINTEGRATED LIGHTWEIGHT PAPERS | 1 | 2 | 16 |
| 2631 | 2631 | PAPERBOARD MILLS | 430 | A | UNBLEACHED KRAFT | 10 | 10 | 18 |
| 2631 | 2611 | PAPERBOARD MILLS | 430 | Q | DEINK | 4 | 7 | 12 |
| 2631 | 2631 | PAPERBOARD MILLS | 430 | Z | NONINTEGRATED PAPERBOARD | 1 | 4 | 25 |
| 2641 | 2671 | PAPER COATING AND GLAZING | | NR | CONVERTED PAPER | 1 | 1 | 99 |
| 2641 | 2672 | PAPER COATING AND GLAZING | | NR | CONVERTED PAPER | 1 | 1 | 99 |
| 2642 | 2677 | ENVELOPES | | NR | CONVERTED PAPER | 1 | 1 | 99 |
| 2643 | 2674 | BAGS, EXCEPT TEXTILE BAGS | | NR | CONVERTED PAPER | 1 | 1 | 99 |
| 2643 | 2673 | BAGS, EXCEPT TEXTILE BAGS | | NR | CONVERTED PAPER | 1 | 1 | 99 |
| 2645 | 2675 | DIE-CUT PAPER, PAPERBOARD AND CARDBOARD | | NR | CONVERTED PAPER | 1 | 1 | 99 |
| 2646 | 2679 | PRESSED AND MOLDED PULP GOODS | | NR | CONVERTED PAPER | 1 | 1 | 99 |
| 2647 | 2676 | SANITARY PAPER PRODUCTS | | NR | CONVERTED PAPER | 1 | 1 | 99 |
| 2648 | 2678 | STATIONERY, TABLETS AND RELATED PRODUCTS | | NR | CONVERTED PAPER | 1 | 1 | 99 |
| 2649 | 2679 | CONVERTED PAPER AND PAPERBOARD PRODUCTS, | | NR | CONVERTED PAPER | 1 | 1 | 99 |
| 2651 | 2657 | FOLDING PAPERBOARD BOXES | | NR | CONVERTED PAPER | 1 | 1 | 99 |
| 2652 | 2652 | SET-UP PAPERBOARD BOXES | | NR | CONVERTED PAPER | 1 | 1 | 99 |
| 2653 | 2653 | CORRUGATED AND SOLID FIBER BOXES | | NR | CONVERTED PAPER | 1 | 1 | 99 |
| 2654 | 2657 | SANITARY FOOD CONTAINERS | | NR | CONVERTED PAPER | 1 | 1 | 99 |
| 2654 | 2656 | SANITARY FOOD CONTAINERS | | NR | CONVERTED PAPER | 1 | 1 | 99 |
| 2655 | 2655 | FIBER CANS, TUBES, DRUMS AND SIMILAR PRO | | NR | CONVERTED PAPER | 1 | 1 | 99 |
| 2661 | 2493 | BUILDING PAPER & BUILDINGBOARD MILLS | 429 | NR | PARTICLEBOARD | 1 | 1 | 1 |
| 2661 | 2621 | BUILDING PAPER & BUILDINGBOARD MILLS | 431 | A | BUILDER'S PAPER AND ROOFING FELT | 1 | 8 | 2 |
| 2711 | 2711 | NEWSPAPERS: PUBLISHING, PUBLISHING & PR | | NR | | 3 | 3 | 99 |
| 2721 | 2721 | PERIODICALS: PUBLISHING, PUBLISHING & P | | NR | | 3 | 3 | 99 |
| 2731 | 2731 | BOOKS: PUBLISHING, PUBLISHING & PRINTIN | | NR | | 3 | 3 | 99 |
| 2732 | 2732 | BOOK PRINTING | | NR | | 3 | 3 | 99 |
| 2741 | 2741 | MISCELLANEOUS PUBLISHING | | NR | | 3 | 3 | 99 |
| 2751 | 2759 | COMMERCIAL PRINTING, LETTERPRESS & SCREE | | NR | | 3 | 3 | 99 |

APPENDIX A
SIC Code Cross Reference
and Total and Human Health Toxicity Number

| 1972/ 1977 SIC Code | 1987 SIC Code | 1987 Title | CFR Part | Sub- Part | Sub-part title | Human Health Toxicity Number | Total Toxicity Number | Industry Subcat Number |
|------------------------------|---------------------|--|-------------|--------------|--|---------------------------------------|-----------------------------|------------------------------|
| 2752 | 2752 | COMMERCIAL PRINTING, LITHOGRAPHIC | | NR | | 3 | 3 | 99 |
| 2753 | 2796 | ENGRAVING & PLATE PRINTING | | NR | | 3 | 3 | 99 |
| 2753 | 2759 | ENGRAVING & PLATE PRINTING | | NR | | 3 | 3 | 99 |
| 2754 | 2796 | COMMERCIAL PRINTING, GRAVURE | | NR | | 3 | 3 | 99 |
| 2754 | 2754 | COMMERCIAL PRINTING, GRAVURE | | NR | | 3 | 3 | 99 |
| 2761 | 2761 | MANIFOLD BUSINESS FORMS | | NR | | 3 | 3 | 99 |
| 2771 | 2771 | GREETING CARD PUBLISHING | | NR | | 3 | 3 | 99 |
| 2782 | 2782 | BLANKBOOKS, LOOSELEAF BINDERS & DEVICES | | NR | | 3 | 3 | 99 |
| 2789 | 2789 | BOOKBINDING & RELATED WORK | | NR | | 3 | 3 | 99 |
| 2791 | 2791 | TYPESETTING | | NR | | 3 | 3 | 99 |
| 2793 | 2796 | PHOTOENGRAVING | | NR | | 3 | 3 | 99 |
| 2794 | 2796 | ELECTROTYPING & STEREOTYPING | | NR | | 3 | 3 | 99 |
| 2795 | 2796 | LITHOGRAPHIC PLATEMAKING & RELATED SERVI | | NR | | 3 | 3 | 99 |
| 2812 | 2812 | ALKALIES AND CHLORINE | 415 | F | CHLORINE & SODIUM OR POTASSIUM HYDR. | 10 | 10 | 1 |
| 2812 | 2812 | ALKALIES AND CHLORINE | 415 | F | CHLORINE & SOD/POT HYDR.(MERCURY CELL) | 10 | 10 | 3 |
| 2812 | 2812 | ALKALIES AND CHLORINE | 415 | F | CHLORINE & SOD/POT HYDR.(DIAPHRAGM CELL) | 10 | 10 | 2 |
| 2812 | 2812 | ALKALIES AND CHLORINE | 415 | H | SODIUM BICARBONATE | 3 | 3 | 5 |
| 2812 | 2812 | ALKALIES AND CHLORINE | 415 | O | SODIUM CARBONATE | 6 | 6 | 4 |
| 2812 | 2812 | ALKALIES AND CHLORINE | | NR | POTASSIUM CARBONATE | 3 | 3 | 99 |
| 2812 | 2812 | ALKALIES AND CHLORINE | | NR | NON-CONTACT COOLING WATER ONLY | 1 | 1 | 99 |
| 2813 | 2813 | INDUSTRIAL GASES | 415 | AF | CARBON DIOXIDE | 3 | 3 | 1 |
| 2813 | 2813 | INDUSTRIAL GASES | 415 | AO | HYDROGEN | 3 | 3 | 2 |
| 2813 | 2813 | INDUSTRIAL GASES | 415 | AW | OXYGEN & NITROGEN | 3 | 3 | 3 |
| 2813 | 2813 | INDUSTRIAL GASES | | NR | GASES,IND COMPRESSED LIQUID/SOLID,NEC | 3 | 3 | 99 |
| 2813 | 2813 | INDUSTRIAL GASES | | NR | NITROUS OXIDE | 3 | 3 | 99 |
| 2813 | 2813 | INDUSTRIAL GASES | | NR | NON-CONTACT COOLING WATER ONLY | 1 | 1 | 99 |
| 2816 | 2816 | INORGANIC PIGMENTS | 415 | V | TITANIUM DIOXIDE (SULFATE PROCESS) | 8 | 9 | 1 |
| 2816 | 2816 | INORGANIC PIGMENTS | 415 | V | TITANIUM DIOXIDE (CHLORIDE PROCESS) | 1 | 2 | 2 |
| 2816 | 2816 | INORGANIC PIGMENTS | 415 | AH | CHROME PIGMENTS | 1 | 8 | 3 |
| 2816 | 2816 | INORGANIC PIGMENTS | | NR | BARYTES PIGMENTS | 6 | 6 | 99 |
| 2816 | 2816 | INORGANIC PIGMENTS | 415 | BJ | ZINC OXIDE | 6 | 6 | 4 |
| 2816 | 2816 | INORGANIC PIGMENTS | | NR | LEAD DIOXIDE, BROWN (PbO2) | 6 | 6 | 99 |
| 2816 | 2816 | INORGANIC PIGMENTS | | NR | LEAD OXIDE, RED (Pb3O4) | 6 | 6 | 99 |
| 2816 | 2816 | INORGANIC PIGMENTS | | NR | BARIUM SULFATE | 6 | 6 | 99 |
| 2816 | 2816 | INORGANIC PIGMENTS | | NR | WHITE LEAD PIGMENT (Pb(OH)2+PbCO)3 | 6 | 6 | 99 |
| 2816 | 2816 | INORGANIC PIGMENTS | | NR | IRON COLORS | 6 | 6 | 99 |
| 2816 | 2816 | INORGANIC PIGMENTS | | NR | IRON OXIDE, BLACK | 6 | 6 | 99 |
| 2816 | 2816 | INORGANIC PIGMENTS | | NR | IRON OXIDE, MAGNETIC | 6 | 6 | 99 |
| 2816 | 2816 | INORGANIC PIGMENTS | | NR | IRON OXIDE, YELLOW | 6 | 6 | 99 |
| 2816 | 2816 | INORGANIC PIGMENTS | | NR | OCHERS | 6 | 6 | 99 |
| 2816 | 2816 | INORGANIC PIGMENTS | | NR | SATIN WHITE PIGMENT | 6 | 6 | 99 |
| 2816 | 2816 | INORGANIC PIGMENTS | | NR | NON-CONTACT COOLING WATER ONLY | 1 | 1 | 99 |
| 2816 | 2816 | INORGANIC PIGMENTS | | NR | ULTRAMARINE PIGMENT | 6 | 6 | 99 |
| 2816 | 2816 | INORGANIC PIGMENTS | | NR | UMBERS | 6 | 6 | 99 |
| 2816 | 2816 | INORGANIC PIGMENTS | | NR | WHITING | 6 | 6 | 99 |
| 2816 | 2816 | INORGANIC PIGMENTS | | NR | SIENNAS | 6 | 6 | 99 |
| 2816 | 2816 | INORGANIC PIGMENTS | 415 | BL | CADIUM PIGMENTS | 10 | 10 | 5 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | 415 | A | ALUMINUM CHLORIDE | 6 | 6 | 1 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | 415 | B | ALUMINUM SULFATE | 3 | 3 | 6 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | 415 | C | CALCIUM CARBIDE | 3 | 3 | 26 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | 415 | D | CALCIUM CHLORIDE | 6 | 6 | 28 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | 415 | J | NITRIC ACID | 3 | 3 | 81 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | 415 | G | HYDROCHLORIC ACID | 3 | 3 | 51 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | 415 | H | HYDROFLUORIC ACID | 8 | 9 | 52 |

APPENDIX A
SIC Code Cross Reference
and Total and Human Health Toxicity Number

| 1972/ 1977 | 1987 | | CFR | | Human | Total | Industry | |
|---------------|------|-------------------------|------|------|--|--------|----------|--------|
| SIC | SIC | 1987 | CFR | Sub- | Sub-part title | Health | Toxicity | Subcat |
| Code | Code | Title | Part | Part | | Number | Number | Number |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | 415 | I | HYDROGEN PEROXIDE | 3 | 3 | 55 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | 415 | E | CALCIUM OXIDE | 6 | 6 | 31 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | 415 | K | POTASSIUM METAL | 3 | 3 | 166 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | 415 | L | POTASSIUM DICHROMATE | 3 | 3 | 96 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | 415 | M | POTASSIUM SULFATE | 6 | 6 | 102 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | 415 | P | SODIUM CHLORIDE | 6 | 6 | 121 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | 415 | Q | SODIUM DICHROMATE/SODIUM SULFATE | 3 | 3 | 124 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | 415 | R | SODIUM METAL | 3 | 3 | 128 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | 415 | AD | CALCIUM CARBONATE | 3 | 3 | 27 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | 415 | AE | CALCIUM HYDROXIDE | 6 | 6 | 165 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | 415 | T | SODIUM SULFITE | 6 | 6 | 131 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | 415 | AG | CALCIUM MONOXIDE & BY-PRODUCT HYDROGEN | 3 | 3 | 32 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | 415 | W | ALUMINUM FLUORIDE | 7 | 8 | 3 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | 415 | AI | CHROMIC ACID | 3 | 3 | 35 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | 415 | Y | AMMONIUM HYDROXIDE | 3 | 3 | 11 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | 415 | AJ | COPPER SULFATE | 10 | 10 | 43 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | 415 | AA | BORAX | 3 | 3 | 19 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | 415 | AK | CUPROUS OXIDE | 10 | 10 | 44 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | 415 | AC | BROMINE | 3 | 3 | 24 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | 415 | AL | FERRIC CHLORIDE | 3 | 3 | 45 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | 415 | U | SULFURIC ACID | 3 | 3 | 144 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | 415 | Z | BARIUM CARBONATE | 3 | 3 | 15 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | 415 | AB | BORIC ACID | 6 | 6 | 20 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | 415 | S | SODIUM SILICATE | 3 | 3 | 129 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | 415 | X | AMMONIUM CHLORIDE | 3 | 3 | 9 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | 415 | AM | FERROUS SULFATE | 3 | 3 | 46 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | 415 | AN | FLUORINE | 3 | 3 | 48 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | 415 | AO | HYDROGEN | 3 | 3 | 53 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | 415 | AP | HYDROGEN CYANIDE | 1 | 7 | 54 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | 415 | AQ | IODINE | 3 | 3 | 61 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | | NR | SILVER OXIDE | 6 | 6 | 99 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | 415 | AR | LEAD MONOXIDE | 3 | 3 | 64 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | | NR | SODA ALUM | 6 | 6 | 99 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | 415 | AT | MANGANESE SULFATE | 3 | 3 | 71 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | | NR | SODIUM ANTIMONIATE | 6 | 6 | 99 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | 415 | AV | NITRIC ACID (STRONG) | 3 | 3 | 80 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | 415 | BN | SODIUM CHLORATE | 10 | 10 | 120 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | 415 | AY | POTASSIUM IODIDE | 3 | 3 | 98 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | | NR | SODIUM COMPOUNDS, INORGANIC | 6 | 6 | 99 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | 415 | BA | SILVER NITRATE | 6 | 6 | 115 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | | NR | SODIUM CYANIDE | 6 | 6 | 99 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | 415 | BC | SODIUM FLUORIDE | 3 | 3 | 125 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | | NR | STANNIC AND STANNOUS CHLORIDE | 6 | 6 | 99 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | 415 | BE | SODIUM HYDROSULFITE | 3 | 3 | 126 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | | NR | STRONTIUM CARBONATE (PRECIPITATED/OXIDE) | 6 | 6 | 99 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | 415 | BG | SODIUM THIOSULFATE | 3 | 3 | 132 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | | NR | STRONTIUM NITRATE | 6 | 6 | 99 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | 415 | BI | SULFUR DIOXIDE | 3 | 3 | 141 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | | NR | SULFIDES & SULFITES | 6 | 6 | 99 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | 415 | BK | ZINC SULFATE | 3 | 3 | 149 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | | NR | SULFOCYANIDES | 6 | 6 | 99 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | | NR | ALUMINUM HYDROXIDE | 6 | 6 | 99 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | | NR | SULFUR CHLORIDE | 6 | 6 | 99 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | | NR | ALUMS | 6 | 6 | 99 |

APPENDIX A
SIC Code Cross Reference
and Total and Human Health Toxicity Number

| 1972/ 1977 | 1987 | | CFR | | Human | Total | Industry | |
|---------------|------|-------------------------|------|------|--|----------|----------|--------|
| SIC | SIC | 1987 | CFR | Sub- | Sub-part title | Toxicity | Toxicity | Subcat |
| Code | Code | Title | Part | Part | | Number | Number | Number |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | | NR | SULFUR HEXAFLUORIDE | 6 | 6 | 99 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | | NR | AMMONIUM COMPOUNDS | 6 | 6 | 99 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | | NR | THIOCYANATES, INORGANIC | 6 | 6 | 99 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | | NR | AMMONIUM PERCHLORATE | 6 | 6 | 99 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | | NR | TIN COMPOUNDS, INORGANIC | 6 | 6 | 99 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | | NR | BARIUM COMPOUNDS (NOT PRODUCED AT MINES) | 6 | 6 | 99 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | | NR | URANIUM SLAG, RADIOACTIVE | 6 | 6 | 99 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | | NR | BORON COMPOUNDS (NOT PRODUCED AT MINES) | 6 | 6 | 99 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | 415 | BO | ZINC CHLORIDE | 10 | 10 | 147 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | | NR | BRINE CHEMICALS | 6 | 6 | 99 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | | NR | ZINC SULFIDE | 6 | 6 | 99 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | | NR | CALCIUM HYPOCHLORITE | 6 | 6 | 99 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | | NR | CALCIUM | 3 | 3 | 99 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | | NR | CHLOROSULFONIC ACID | 6 | 6 | 99 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | | NR | NON-CONTACT COOLING ONLY | 1 | 1 | 99 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | | NR | CHROMIUM SULFATE | 6 | 6 | 99 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | 419 | E | INTEGRATED REFINERIES (SULFUR RECOVERY) | 6 | 6 | 139 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | 415 | BM | COBALT SALTS (COBALT SULFATE) | 1 | 8 | 39 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | 421 | A | BAUXITE REFINING | 5 | 10 | 164 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | | NR | COPPER CHLORIDE | 6 | 6 | 99 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | 421 | A | BAUXITE REFINING (ALUMINA) | 5 | 10 | 168 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | | NR | FISSIONABLE MATERIALS PRODUCTION | 6 | 6 | 99 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | 421 | O | BERYLIUM OXIDE | 5 | 10 | 17 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | | NR | HYDRATED ALUMINUM SILICATE | 6 | 6 | 99 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | 422 | A | PHOSPHORUS PRODUCTION | 6 | 6 | 160 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | | NR | HYDROPHOSPHITES | 6 | 6 | 99 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | 422 | B | PHOSPHORUS CONSUMING | 6 | 6 | 161 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | | NR | INORGANIC ACIDS (EXC HNO2 OR H2PO4) | 6 | 6 | 99 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | 422 | C | PHOSPHATE | 6 | 6 | 162 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | | NR | ISOTOPES, RADIOACTIVE | 6 | 6 | 99 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | 422 | D | DEFLUORINATED PHOSPHATE ROCK | 6 | 6 | 158 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | | NR | LEAD SILICATE | 6 | 6 | 99 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | 422 | E | DEFLUORINATED PHOSPHORIC ACID | 6 | 6 | 159 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | | NR | LUMINOUS COMPOUNDS (RADIUM) | 6 | 6 | 99 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | 422 | F | SODIUM PHOSPHATES | 6 | 6 | 163 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | | NR | MANGANESE DIOXIDE (POWDER SYNTHETIC) | 6 | 6 | 99 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | 415 | AU | NICKEL SALTS (NICKEL CHLORIDE) | 8 | 9 | 169 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | | NR | MERCURY OXIDE | 6 | 6 | 99 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | 415 | AU | NICKEL SALTS (NICKEL NITRATE) | 8 | 9 | 170 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | | NR | NUCLEAR FUEL REACTOR CASES, INORGANIC | 6 | 6 | 99 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | 415 | AU | NICKEL SALTS (NICKEL FLUOBORATE) | 8 | 9 | 171 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | | NR | OLEUM (FUMING SULFURIC ACID) | 6 | 6 | 99 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | 415 | AU | NICKEL SALTS (NICKEL CARBONATE) | 8 | 9 | 172 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | | NR | PERCHLORIC ACID | 6 | 6 | 99 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | 415 | AJ | COPPER SALTS (COPPER CHLORIDE) | 10 | 10 | 173 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | | NR | POTASH ALUM | 6 | 6 | 99 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | 415 | AJ | COPPER SALTS (COPPER IODIDE) | 10 | 10 | 174 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | | NR | POTASSIUM ALUMINUM SULFATE | 6 | 6 | 99 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | 415 | AJ | COPPER SALTS (COPPER NITRATE) | 10 | 10 | 175 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | | NR | POTASSIUM CYANIDE | 6 | 6 | 99 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | 415 | AJ | COPPER SALTS (COPPER CARBONATE) | 10 | 10 | 176 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | | NR | POTASSIUM COMPOUNDS, INORGANIC | 6 | 6 | 99 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | 415 | BL | CADIUM SALTS (CADIUM CHLORIDE) | 10 | 10 | 177 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | | NR | POTASSIUM NITRATE & SULFATE | 6 | 6 | 99 |

APPENDIX A
SIC Code Cross Reference
and Total and Human Health Toxicity Number

| 1972/ 1977 SIC Code | 1987 SIC Code | 1987 Title | CFR Part | CFR Sub- Part | Sub-part title | Human Health Toxicity Number | Total Toxicity Number | Industry Subcat Number |
|------------------------------|---------------------|--|-------------|---------------------|--|---------------------------------------|-----------------------------|------------------------------|
| 2819 | 2819 | INORGANIC CHEMICALS NEC | 415 | BL | CADIUM SALTS (CADIUM NITRATE) | 10 | 10 | 178 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | | NR | RADIUM LUMINOUS COMPOUNDS | 6 | 6 | 99 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | 415 | BL | CADIUM SALTS (CADIUM SULFATE) | 10 | 10 | 179 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | | NR | REAGENT GRADE CHEM (INORG REF FROM TECH) | 6 | 6 | 99 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | 415 | BM | COBALT SALTS (COBALT NITRATE) | 8 | 8 | 180 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | | NR | SILICA AMORPHOUS | 6 | 6 | 99 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | | NR | SILVER BROMIDE | 6 | 6 | 99 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | 415 | BM | COBALT SALTS (COBALT CHLORIDE) | 1 | 8 | 38 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | | NR | COBALT 60 (RADIOACTIVE) | 6 | 6 | 99 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | | NR | SILVER CYANIDE | 6 | 6 | 99 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | | NR | COPPER IODIDE | 6 | 6 | 99 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | 415 | AS | LITHIUM CARBONATE | 3 | 3 | 66 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | | NR | HEAVY WATER (DEUTERIUM OXIDE) | 6 | 6 | 99 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | 415 | AX | POTASSIUM CHLORIDE | 3 | 3 | 92 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | | NR | HYDROGEN SULFIDE | 6 | 6 | 99 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | 415 | BB | SODIUM BISULFITE | 3 | 3 | 119 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | | NR | INDIUM CHLORIDE | 6 | 6 | 99 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | 415 | BF | SODIUM SILICOFLUORIDE | 6 | 6 | 130 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | | NR | IODIDES | 6 | 6 | 99 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | 415 | BJ | ZINC OXIDE | 3 | 3 | 148 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | | NR | LEAD ARSENATE | 6 | 6 | 99 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | | NR | ALUMINUM OXIDE | 6 | 6 | 99 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | | NR | LITHIUM COMPOUNDS | 6 | 6 | 99 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | | NR | AMMONIUM MOLYBDATE | 6 | 6 | 99 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | | NR | MAGNESIUM COMPOUNDS (INORGANIC) | 6 | 6 | 99 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | | NR | BLEACHING POWDER | 6 | 6 | 99 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | | NR | MERCURY CHLORIDE | 6 | 6 | 99 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | | NR | CALCIUM COMPOUNDS (INORGANIC) | 6 | 6 | 99 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | | NR | NICKEL AMMONIUM SULFATE | 6 | 6 | 99 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | | NR | CHROMIUM OXIDE | 6 | 6 | 99 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | | NR | NUCLEAR FUEL SCRAP RE-PROCESSING | 6 | 6 | 99 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | | NR | SILVER IODIDE | 6 | 6 | 99 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | | NR | OXIDATION CATALYST FROM PORCELAIN | 6 | 6 | 99 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | 415 | AZ | POTASSIUM PERMANGANATE | 3 | 3 | 101 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | | NR | PEROXIDES, INORGANIC | 6 | 6 | 99 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | 415 | BH | STANNIC OXIDE | 3 | 3 | 134 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | | NR | POTASH MAGNESIA | 6 | 6 | 99 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | | NR | AMMONIA ALUM | 6 | 6 | 99 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | | NR | POTASSIUM BROMIDE | 6 | 6 | 99 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | | NR | BOROSILICATE | 6 | 6 | 99 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | | NR | POTASSIUM CHLORATE | 6 | 6 | 99 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | | NR | SILVER CHLORIDE | 6 | 6 | 99 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | | NR | POTASSIUM HYPOCHLORITE | 6 | 6 | 99 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | 415 | BD | SODIUM HYDROSULFIDE | 3 | 3 | 127 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | | NR | AMMONIUM THIOSULFATE | 6 | 6 | 99 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | | NR | CERIUM SALTS | 6 | 6 | 99 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | 415 | AU | NICKEL SULFATE | 8 | 10 | 79 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | | NR | ALUMINUM COMPOUNDS | 6 | 6 | 99 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | | NR | RADIUM CHLORIDE | 6 | 6 | 99 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | | NR | RARE EARTH METAL SALTS | 6 | 6 | 99 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | | NR | SALTS OF RARE EARTH METALS | 6 | 6 | 99 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | | NR | SILICA GEL | 6 | 6 | 99 |
| 2819 | 2819 | INORGANIC CHEMICALS NEC | | NR | SILVER CARBONATE | 6 | 6 | 99 |
| 2821 | 2821 | PLASTIC MATERIALS, SYN RESINS & NONVUL E 414/416 | | B | RAYON FIBERS | 8 | 9 | 5 |

APPENDIX A
SIC Code Cross Reference
and Total and Human Health Toxicity Number

| 1972/ 1977 | 1987 | | CFR | Sub- | Sub-part title | Human Health Toxicity Number | Total Toxicity Number | Industry Subcat Number |
|---------------|-------------|--|-------------|------|--|---------------------------------------|-----------------------------|------------------------------|
| SIC Code | SIC Code | 1987 Title | CFR Part | Part | | | | |
| 2821 | 2821 | PLASTIC MATERIALS, SYN RESINS & NONVUL E | 414/416 | D | THERMOPLASTIC RESINS | 8 | 9 | 2 |
| 2821 | 2821 | PLASTIC MATERIALS, SYN RESINS & NONVUL E | 414/416 | E | THERMOSETTING RESINS | 8 | 9 | 3 |
| 2821 | 2821 | PLASTIC MATERIALS, SYN RESINS & NONVUL E | | NR | NON-CONTACT COOLING WATER ONLY | 1 | 1 | 99 |
| 2821 | 2821 | PLASTIC MATERIALS, SYN RESINS & NONVUL E | 414/416 | C | OTHER FIBERS | 8 | 9 | 16 |
| 2822 | 2822 | SYNTHETIC RUBBER (VULCANIZABLE ELASTOMER | 414/416 | D | THERMOPLASTIC RESINS (SILICONES) | 8 | 9 | 4 |
| 2822 | 2822 | SYNTHETIC RUBBER (VULCANIZABLE ELASTOMER | 428 | B | EMULSION CRUMB RUBBER | 8 | 8 | 1 |
| 2822 | 2822 | SYNTHETIC RUBBER (VULCANIZABLE ELASTOMER | 428 | C | SOLUTION CRUMB RUBBER | 8 | 8 | 2 |
| 2822 | 2822 | SYNTHETIC RUBBER (VULCANIZABLE ELASTOMER | 428 | D | LATEX RUBBER | 8 | 8 | 3 |
| 2822 | 2822 | SYNTHETIC RUBBER (VULCANIZABLE ELASTOMER | | NR | NON-CONTACT COOLING WATER ONLY | 1 | 1 | 99 |
| 2823 | 2823 | CELLULOSIC MAN-MADE FIBERS | | NR | NON-CONTACT COOLING WATER ONLY | 1 | 1 | 99 |
| 2823 | 2823 | CELLULOSIC MAN-MADE FIBERS | 416 | B | RAYON FIBERS | 8 | 9 | 1 |
| 2823 | 2823 | CELLULOSIC MAN-MADE FIBERS | 416 | C | OTHER FIBERS | 8 | 9 | 2 |
| 2824 | 2824 | SYNTHETIC ORGANIC FIBERS, EXCEPT CELLULO | 416 | C | OTHER FIBERS | 8 | 9 | 0 |
| 2824 | 2824 | SYNTHETIC ORGANIC FIBERS, EXCEPT CELLULO | | NR | NON-CONTACT COOLING WATER ONLY | 1 | 1 | 99 |
| 2831 | 2835 | BIOLOGICAL PRODUCTS | 439 | A | FERMENTATION PRODUCTS | 6 | 8 | 1 |
| 2831 | 2835 | BIOLOGICAL PRODUCTS | 439 | B | EXTRACTION PRODUCTS | 6 | 8 | 2 |
| 2831 | 2836 | BIOLOGICAL PRODUCTS | 439 | A | FERMENTATION PRODUCTS | 6 | 8 | 3 |
| 2831 | 2836 | BIOLOGICAL PRODUCTS | 439 | B | EXTRACTION PRODUCTS | 6 | 8 | 4 |
| 2833 | 2833 | MEDICINAL CHEMICALS & BOTANICAL PRODUCTS | 439 | A | FERMENTATION PRODUCTS | 6 | 8 | 3 |
| 2833 | 2833 | MEDICINAL CHEMICALS & BOTANICAL PRODUCTS | 439 | B | EXTRACTION PRODUCTS | 6 | 8 | 2 |
| 2833 | 2833 | MEDICINAL CHEMICALS & BOTANICAL PRODUCTS | 439 | C | CHEMICAL SYNTHESIS PRODUCTS | 6 | 8 | 1 |
| 2833 | 2833 | MEDICINAL CHEMICALS & BOTANICAL PRODUCTS | | NR | NON-CONTACT COOLING WATER ONLY | 1 | 1 | 99 |
| 2834 | 2834 | PHARMACEUTICAL PREPARATIONS | 439 | D | MIXING/COMPOUNDING-FORMULATION | 6 | 8 | 0 |
| 2834 | 2834 | PHARMACEUTICAL PREPARATIONS | | NR | NON-CONTACT COOLING WATER ONLY | 1 | 1 | 99 |
| 2841 | 2841 | SOAP & OTHER DETERGENTS, EXC SPECIALTY C | 417 | A | SOAP MANUFACTURING BY BATCH KETTLE | 5 | 5 | 12 |
| 2841 | 2841 | SOAP & OTHER DETERGENTS, EXC SPECIALTY C | 417 | B | FATTY ACID MANUFACTURING BY FATSPLITTING | 5 | 5 | 1 |
| 2841 | 2841 | SOAP & OTHER DETERGENTS, EXC SPECIALTY C | 417 | C | SOAP MANUFAC BY FATTYACID NEUTRALIZATION | 5 | 5 | 13 |
| 2841 | 2841 | SOAP & OTHER DETERGENTS, EXC SPECIALTY C | 417 | D | GLYCERINE CONCENTRATION | 5 | 5 | 2 |
| 2841 | 2841 | SOAP & OTHER DETERGENTS, EXC SPECIALTY C | 417 | P | MANUFACTURING OF LIQUID DETERGENTS | 5 | 5 | 9 |
| 2841 | 2841 | SOAP & OTHER DETERGENTS, EXC SPECIALTY C | 417 | E | GLYCERINE DISTILLATION | 5 | 5 | 3 |
| 2841 | 2841 | SOAP & OTHER DETERGENTS, EXC SPECIALTY C | 417 | G | MANUFACTURING OF BAR SOAPS | 5 | 5 | 4 |
| 2841 | 2841 | SOAP & OTHER DETERGENTS, EXC SPECIALTY C | 417 | H | MANUFACTURING OF LIQUID SOAPS | 5 | 5 | 8 |
| 2841 | 2841 | SOAP & OTHER DETERGENTS, EXC SPECIALTY C | 417 | O | MANUFACTURING OF SPRAY DRIED DETERGENTS | 5 | 5 | 11 |
| 2841 | 2841 | SOAP & OTHER DETERGENTS, EXC SPECIALTY C | 417 | F | MANUFACTURING OF SOAP FLAKES & POWDERS | 5 | 5 | 10 |
| 2841 | 2841 | SOAP & OTHER DETERGENTS, EXC SPECIALTY C | 417 | Q | MANUFACTURING OF DETERGENTS BY DRY BLEND | 5 | 5 | 6 |
| 2841 | 2841 | SOAP & OTHER DETERGENTS, EXC SPECIALTY C | 417 | R | MANUFACTURING OF DRUM DRIED DETERGENTS | 5 | 5 | 7 |
| 2841 | 2841 | SOAP & OTHER DETERGENTS, EXC SPECIALTY C | 417 | S | MANUFACTURING OF DETERGENT BARS & CAKES | 5 | 5 | 5 |
| 2841 | 2841 | SOAP & OTHER DETERGENTS, EXC SPECIALTY C | | NR | NON-CONTACT COOLING WATER ONLY | 1 | 1 | 99 |
| 2842 | 2842 | SPECIALTY CLEANING, POLISHING & SANITARY | 417 | H | MANUFACTURING OF LIQUID SOAPS | 5 | 5 | 1 |
| 2842 | 2842 | SPECIALTY CLEANING, POLISHING & SANITARY | 417 | P | MANUFACTURING OF LIQUID DETERGENTS | 5 | 5 | 2 |
| 2842 | 2842 | SPECIALTY CLEANING, POLISHING & SANITARY | | NR | OTHER PREPARATIONS, NEC | 5 | 5 | 99 |
| 2842 | 2842 | SPECIALTY CLEANING, POLISHING & SANITARY | | NR | NON-CONTACT COOLING WATER ONLY | 1 | 1 | 99 |
| 2843 | 2843 | SURFACE ACTIVE AGENTS, FINISHING AGENTS, | | NR | NON-CONTACT COOLING WATER ONLY | 1 | 1 | 99 |
| 2843 | 2843 | SURFACE ACTIVE AGENTS, FINISHING AGENTS, 417 | | I | OLEUM SULFONATION & SULFATION | 5 | 5 | 3 |
| 2843 | 2843 | SURFACE ACTIVE AGENTS, FINISHING AGENTS, 417 | | J | AIR-SO3 SULFONATION & SULFATION | 5 | 5 | 1 |
| 2843 | 2843 | SURFACE ACTIVE AGENTS, FINISHING AGENTS, 417 | | K | SO3 SOLVENT & VACUUM SULFONATION | 5 | 5 | 6 |
| 2843 | 2843 | SURFACE ACTIVE AGENTS, FINISHING AGENTS, 417 | | L | SULFAMIC ACID SULFATION | 5 | 5 | 7 |
| 2843 | 2843 | SURFACE ACTIVE AGENTS, FINISHING AGENTS, 417 | | M | CHLOROSULFONIC ACID SULFATION | 5 | 5 | 2 |
| 2843 | 2843 | SURFACE ACTIVE AGENTS, FINISHING AGENTS, 417 | | N | NEUTRAL SULFURIC ACID ESTERS & SULFONIC | 5 | 5 | 4 |
| 2844 | 2844 | PERFUMES, COSMETICS & OTHER TOILET PREPA | 417 | H | MANUFACTURING OF LIQUID SOAPS | 5 | 5 | 1 |
| 2844 | 2844 | PERFUMES, COSMETICS & OTHER TOILET PREPA | | NR | OTHER PREPARATIONS, NEC | 5 | 5 | 99 |
| 2851 | 2851 | PAINTS/VARNISHES/LACQUERS/ENAMELS & ALLI | | NR | OTHER PAINTS | 8 | 8 | 99 |
| 2851 | 2851 | PAINTS/VARNISHES/LACQUERS/ENAMELS & ALLI | 446 | A | OIL-BASE SOLVENT WASH PAINT | 3 | 3 | 0 |
| 2861 | 2861 | GUM AND WOOD CHEMICALS | 454 | A | CHAR & CHARCOAL BRIQUETTES | 3 | 3 | 1 |

APPENDIX A
SIC Code Cross Reference
and Total and Human Health Toxicity Number

| 1972/ 1977 SIC Code | 1987 SIC Code | 1987 Title | CFR Part | CFR Sub- Part | Sub-part title | Human Health Toxicity Number | Total Toxicity Number | Industry Subcat Number |
|------------------------------|---------------------|--|-------------|---------------------|---|---------------------------------------|-----------------------------|------------------------------|
| 2861 | 2861 | GUM AND WOOD CHEMICALS | 454 | B | GUM ROSIN & TURPENTINE | 3 | 3 | 3 |
| 2861 | 2861 | GUM AND WOOD CHEMICALS | | NR | NON-CONTACT COOLING WATER ONLY | 1 | 1 | 99 |
| 2861 | 2861 | GUM AND WOOD CHEMICALS | 454 | D | TALL OIL, ROSIN, PITCH, FATTY ACIDS | 6 | 6 | 6 |
| 2861 | 2861 | GUM AND WOOD CHEMICALS | 454 | E | ESSENTIAL OILS | 3 | 3 | 2 |
| 2861 | 2861 | GUM AND WOOD CHEMICALS | 454 | F | ROSIN BASED DERIVATIVES | 6 | 6 | 4 |
| 2861 | 2861 | GUM AND WOOD CHEMICALS | 454 | C | WOOD ROSIN, TURPENTINE & PINE OIL | 6 | 6 | 7 |
| 2865 | 2865 | CYCLIC CRUDES INTERM., DYES & ORGANIC PI | 414/416 | F | COMMODITY | 8 | 9 | 1 |
| 2865 | 2865 | CYCLIC CRUDES INTERM., DYES & ORGANIC PI | | NR | NON-CONTACT COOLING WATER ONLY | 1 | 1 | 99 |
| 2865 | 2865 | CYCLIC CRUDES INTERM., DYES & ORGANIC PI | 414/416 | G | BULK | 8 | 9 | 2 |
| 2865 | 2865 | CYCLIC CRUDES INTERM., DYES & ORGANIC PI | 414/416 | H | SPECIALTY | 8 | 9 | 3 |
| 2869 | 2869 | INDUSTRIAL ORGANIC CHEMICALS, NEC | 414/416 | H | SPECIALTY | 8 | 9 | 3 |
| 2869 | 2869 | INORGANIC CHEMICALS NEC | 455 | A | ORGANIC PESTICIDE CHEMICALS MFG. | 8 | 10 | 152 |
| 2869 | 2819 | INDUSTRIAL ORGANIC CHEMICALS NEC | | NR | | 10 | 10 | 99 |
| 2869 | 2869 | INDUSTRIAL ORGANIC CHEMICALS, NEC | 414/416 | F | COMMODITY | 8 | 9 | 1 |
| 2869 | 2869 | INDUSTRIAL ORGANIC CHEMICALS, NEC | 414/416 | G | BULK | 8 | 9 | 2 |
| 2869 | 2869 | INORGANIC CHEMICALS NEC | 455 | B | METALLO-ORGANIC PESTICIDES | 8 | 10 | 154 |
| 2873 | 2873 | NITROGEN FERTILIZERS | 418 | B | AMMONIA | 1 | 1 | 1 |
| 2873 | 2873 | NITROGEN FERTILIZERS | 418 | C | UREA | 1 | 1 | 2 |
| 2873 | 2873 | NITROGEN FERTILIZERS | 418 | D | AMMONIUM NITRATE | 1 | 1 | 3 |
| 2873 | 2873 | NITROGEN FERTILIZERS | 418 | E | NITRIC ACID | 1 | 1 | 4 |
| 2873 | 2873 | NITROGEN FERTILIZERS | 418 | F | AMMONIUM SULFATE PRODUCTION | 1 | 1 | 5 |
| 2874 | 2874 | PHOSPHATIC FERTILIZERS | 418 | A | PHOSPHATE | 1 | 1 | 0 |
| 2874 | 2874 | PHOSPHATIC FERTILIZERS | | NR | NON-CONTACT COOLING WATER ONLY | 1 | 1 | 99 |
| 2875 | 2875 | FERTILIZERS, MIXING ONLY | 418 | G | MIXED & BLEND FERTILIZER PRODUCTION | 1 | 1 | 0 |
| 2879 | 2879 | PESTICIDES & AGRICULTURAL CHEMICALS NEC | 455 | C | PESTICIDE CHEMICALS FORMULATING | 10 | 10 | 0 |
| 2891 | 2891 | ADHESIVES AND SEALANTS | | NR | ADHESIVES & SEALANTS | 8 | 8 | 99 |
| 2892 | 2892 | EXPLOSIVES | 457 | A | MANUFACTURE OF EXPLOSIVES | 6 | 6 | 1 |
| 2892 | 2892 | EXPLOSIVES | 457 | C | EXPLOSIVES LOAD, ASSEMBLE & PACK PLANTS | 6 | 6 | 3 |
| 2892 | 2892 | EXPLOSIVES | | NR | NON-CONTACT COOLING WATER ONLY | 1 | 1 | 99 |
| 2893 | 2893 | PRINTING INK | 447 | A | OIL-BASED SOLVENT WASH INK | 3 | 3 | 0 |
| 2893 | 2893 | PRINTING INK | | NR | OTHER INKS | 8 | 8 | 99 |
| 2895 | 2895 | CARBON BLACK | 458 | A | CARBON BLACK FURNACE PROCESS | 5 | 5 | 2 |
| 2895 | 2895 | CARBON BLACK | 458 | C | CARBON BLACK CHANNEL PROCESS | 3 | 3 | 1 |
| 2895 | 2895 | CARBON BLACK | 458 | D | CARBON BLACK LAMP PROCESS | 3 | 3 | 3 |
| 2895 | 2895 | CARBON BLACK | | NR | NON-CONTACT COOLING WATER ONLY | 1 | 1 | 99 |
| 2899 | 2899 | CHEMICALS AND CHEMICAL PREPARATIONS, NEC | 417 | B | FATTY ACID MFG. BY FAT SPLITTING | 5 | 5 | 1 |
| 2899 | 2899 | CHEMICALS AND CHEMICAL PREPARATIONS, NEC | 424 | F | ROSIN-BASED DERIVATIVES | 6 | 6 | 4 |
| 2899 | 2899 | CHEMICALS AND CHEMICAL PREPARATIONS, NEC | 454 | D | TALL OIL ROSIN, PITCH & FATTY ACIDS | 6 | 6 | 2 |
| 2899 | 2899 | CHEMICALS AND CHEMICAL PREPARATIONS, NEC | 457 | C | EXPLOSIVES LOAD, ASSEMBLE & PACK PLANTS | 6 | 6 | 5 |
| 2899 | 2899 | CHEMICALS AND CHEMICAL PREPARATIONS, NEC | | NR | OTHER CHEMICAL PREPARATIONS NEC | 6 | 6 | 99 |
| 2899 | 2899 | CHEMICALS AND CHEMICAL PREPARATIONS, NEC | | NR | NON-CONTACT COOLING WATER ONLY | 1 | 1 | 99 |
| 2899 | 2899 | CHEMICALS AND CHEMICAL PREPARATIONS, NEC | 454 | E | ESSENTIAL OILS | 3 | 3 | 3 |
| 2911 | 2911 | PETROLEUM REFINING | 419 | A | TOPPING | 3 | 8 | 1 |
| 2911 | 2911 | PETROLEUM REFINING | 419 | B | CRACKING | 3 | 8 | 2 |
| 2911 | 2911 | PETROLEUM REFINING | 419 | C | PETROCHEMICAL | 3 | 8 | 3 |
| 2911 | 2911 | PETROLEUM REFINING | 419 | D | LUBE | 3 | 8 | 4 |
| 2911 | 2911 | PETROLEUM REFINING | 419 | E | INTEGRATED | 3 | 8 | 5 |
| 2911 | 2911 | PETROLEUM REFINING | | NR | NON-CONTACT COOLING WATER ONLY | 1 | 1 | 99 |
| 2911 | 2911 | PETROLEUM REFINING | 443 | A | ASPHALT EMULSION | 8 | 8 | 6 |
| 2951 | 2951 | PAVING MIXTURES AND BLOCKS | 443 | A | ASPHALT EMULSION | 8 | 8 | 1 |
| 2951 | 2951 | PAVING MIXTURES AND BLOCKS | 443 | B | ASPHALT CONCRETE | 8 | 8 | 2 |
| 2951 | 2951 | PAVING MIXTURES AND BLOCKS | | NR | NON-CONTACT COOLING WATER ONLY | 1 | 1 | 99 |
| 2952 | 2952 | ASPHALT FELT AND COATINGS | 443 | C | ASPHALT ROOFING | 8 | 8 | 1 |
| 2952 | 2952 | ASPHALT FELT AND COATINGS | 443 | D | LINOLEUM & PRINTED ASPHALT FELT | 8 | 8 | 2 |

APPENDIX A
SIC Code Cross Reference
and Total and Human Health Toxicity Number

| 1972/ 1977 | 1987 | | CFR | CFR | | Human | Total | Industry |
|---------------|------|-------------------------------------|------|------|--|----------|----------|----------|
| SIC | SIC | 1987 | CFR | Sub- | Sub-part title | Health | Toxicity | Subcat |
| Code | Code | Title | Part | Part | | Toxicity | Number | Number |
| 2952 | 2952 | ASPHALT FELT AND COATINGS | | NR | NON-CONTACT COOLING WATER ONLY | 1 | 1 | 99 |
| 2992 | 2992 | LUBRICATING OILS AND GREASES | | NR | LUBE OIL RE-REFINING | 8 | 8 | 99 |
| 2992 | 2992 | LUBRICATING OILS AND GREASES | | NR | WASTE OIL RECYCLING | 10 | 10 | 99 |
| 2992 | 2992 | LUBRICATING OILS AND GREASES | | NR | OTHER OILS & GREASES NEC | 5 | 5 | 99 |
| 2992 | 2992 | LUBRICATING OILS AND GREASES | | NR | NON-CONTACT COOLING WATER ONLY | 1 | 1 | 99 |
| 2999 | 2999 | PRODUCTS OF PETROLEUM AND COAL, NEC | | NR | | 5 | 5 | 99 |
| 3011 | 3011 | TIRES AND INNER TUBES | 428 | A | TIRE & INNER TUBE PLANTS | 6 | 6 | 0 |
| 3011 | 3011 | TIRES AND INNER TUBES | | NR | NON-CONTACT COOLING WATER ONLY | 1 | 1 | 99 |
| 3021 | 3021 | RUBBER AND PLASTICS FOOTWEAR | 428 | E | SM-SIZED GEN MOLDED, EXTR&FABR RUBBERPLNT | 5 | 5 | 4 |
| 3021 | 3021 | RUBBER AND PLASTICS FOOTWEAR | 428 | F | MD-SIZED GEN MOLDED, EXTR&FABR RUBBERPLNT | 6 | 6 | 3 |
| 3021 | 3021 | RUBBER AND PLASTICS FOOTWEAR | 428 | G | LG-SIZED GEN MOLDED, EXTR&FABR RUBBERPLNT | 6 | 6 | 1 |
| 3021 | 3021 | RUBBER AND PLASTICS FOOTWEAR | 428 | J | LATEX-DIPPED, MOLDED, EXTRUDED GOODS | 5 | 5 | 2 |
| 3021 | 3021 | RUBBER AND PLASTICS FOOTWEAR | | NR | NON-CONTACT COOLING WATER ONLY | 1 | 1 | 99 |
| 3021 | 3021 | RUBBER AND PLASTICS FOOTWEAR | 463 | A | CONTACT COOLING & HEATING WATER (PLASTICS) | 4 | 6 | 5 |
| 3021 | 3021 | RUBBER AND PLASTICS FOOTWEAR | 463 | B | CLEANING (PLASTICS) | 5 | 6 | 6 |
| 3031 | 3069 | RECLAIMED RUBBER | 428 | H | WET DIGESTION RECLAIM | 8 | 8 | 2 |
| 3031 | 3069 | RECLAIMED RUBBER | 428 | I | PAN, DRY DIGESTION, & MECHANICAL RECLAIM | 8 | 8 | 1 |
| 3031 | 3069 | RECLAIMED RUBBER | | NR | NON-CONTACT COOLING WATER ONLY | 1 | 1 | 99 |
| 3041 | 3052 | RUBBER & PLASTICS HOSE AND BELTING | 428 | E | SM-SIZED GEN MOLDED, EXTR&FABR RUBBERPLT | 5 | 5 | 3 |
| 3041 | 3052 | RUBBER & PLASTICS HOSE AND BELTING | 428 | F | MD-SIZED GEN MOLDED, EXTR&FABR RUBBERPLT | 6 | 6 | 2 |
| 3041 | 3052 | RUBBER & PLASTICS HOSE AND BELTING | 428 | G | LG-SIZED GEN MOLDED, EXTR&FABR RUBBERPLT | 6 | 6 | 1 |
| 3041 | 3052 | RUBBER & PLASTICS HOSE AND BELTING | | NR | NON-CONTACT COOLING WATER ONLY | 1 | 1 | 99 |
| 3041 | 3052 | RUBBER & PLASTICS HOSE AND BELTING | 463 | A | CONTACT COOLING & HEATING WATER | 4 | 6 | 4 |
| 3041 | 3052 | RUBBER & PLASTICS HOSE AND BELTING | 463 | B | CLEANING WATER | 5 | 6 | 5 |
| 3069 | 3061 | FABRICATED RUBBER PRODUCTS NEC | 428 | E | SM-SIZED GEN MOLDED, EXTR&FABR RUBBERPLT | 5 | 5 | 1 |
| 3069 | 3061 | FABRICATED RUBBER PRODUCTS, NEC | 428 | F | MD-SIZED GEN MOLDED, EXTR&FABR RUBBERPLT | 6 | 6 | 2 |
| 3069 | 3061 | FABRICATED RUBBER PRODUCTS, NEC | 428 | G | LG-SIZED GEN MOLDED, EXTR&FABR RUBBERPLT | 6 | 6 | 3 |
| 3069 | 3069 | FABRICATED RUBBER PRODUCTS, NEC | 428 | G | LG-SIZED GEN MOLDED, EXTR&FABR RUBBERPLT | 6 | 6 | 4 |
| 3069 | 3069 | FABRICATED RUBBER PRODUCTS, NEC | 428 | F | MD-SIZED GEN MOLDED, EXTR&FABR RUBBERPLT | 6 | 6 | 5 |
| 3069 | 3069 | FABRICATED RUBBER PRODUCTS, NEC | 428 | E | SM-SIZED GEN MOLDED, EXTR&FABR RUBBERPLT | 5 | 5 | 6 |
| 3079 | 3081 | MISCELLANEOUS PLASTICS PRODUCTS | 463 | A | CONTACT COOLING & HEATING WATER | 4 | 6 | 1 |
| 3079 | 3081 | MISCELLANEOUS PLASTIC PRODUCTS | 463 | B | CLEANING WATER | 5 | 6 | 2 |
| 3079 | 3083 | MISCELLANEOUS PLASTIC PRODUCTS | | NR | NON CONTACT COOLING WATER ONLY | 1 | 1 | 99 |
| 3079 | 3081 | MISCELLANEOUS PLASTIC PRODUCTS | 463 | C | FINISHING WATER | 6 | 8 | 3 |
| 3079 | 3083 | MISCELLANEOUS PLASTIC PRODUCTS | 463 | A | CONTACT COOLING & HEATING WATER | 4 | 6 | 4 |
| 3079 | 3083 | MISCELLANEOUS PLASTIC PRODUCTS | 463 | B | CLEANING WATER | 5 | 6 | 5 |
| 3079 | 3083 | MISCELLANEOUS PLASTIC PRODUCTS | 463 | C | FINISHING WATER | 6 | 8 | 6 |
| 3079 | 3081 | MISCELLANEOUS PLASTIC PRODUCTS | | NR | NON CONTACT COOLING WATER ONLY | 1 | 1 | 99 |
| 3079 | 3084 | MISCELLANEOUS PLASTIC PRODUCTS | 463 | A | CONTACT COOLING & HEATING WATER | 4 | 6 | 7 |
| 3079 | 3084 | MISCELLANEOUS PLASTIC PRODUCTS | 463 | B | CLEANING WATER | 5 | 6 | 8 |
| 3079 | 3084 | MISCELLANEOUS PLASTIC PRODUCTS | 463 | C | FINISHING WATER | 6 | 8 | 9 |
| 3079 | 3084 | MISCELLANEOUS PLASTIC PRODUCTS | | NR | NON CONTACT COOLING WATER | 1 | 1 | 99 |
| 3079 | 3085 | MISCELLANEOUS PLASTIC PRODUCTS | 463 | A | CONTACT COOLING & HEATING WATER | 4 | 6 | 10 |
| 3079 | 3085 | MISCELLANEOUS PLASTIC PRODUCTS | 463 | B | CLEANING WATER | 5 | 6 | 12 |
| 3079 | 3089 | MISCELLANEOUS PLASTIC PRODUCTS | | NR | NON CONTACT COOLING WATER | 1 | 1 | 99 |
| 3079 | 3432 | MISCELLANEOUS PLASTIC PRODUCTS | 463 | A | CONTACT COOLING & HEATING WATER | 4 | 6 | 29 |
| 3079 | 3085 | MISCELLANEOUS PLASTIC PRODUCTS | | NR | NON CONTACT COOLING WATER ONLY | 1 | 1 | 99 |
| 3079 | 3432 | MISCELLANEOUS PLASTIC PRODUCTS | 463 | B | CLEANING WATER | 5 | 6 | 30 |
| 3079 | 3082 | MISCELLANEOUS PLASTIC PRODUCTS | 463 | B | CLEANING WATER | 5 | 6 | 15 |
| 3079 | 3432 | MISCELLANEOUS PLASTIC PRODUCTS | 463 | C | FINISHING WATER | 6 | 8 | 31 |
| 3079 | 3082 | MISCELLANEOUS PLASTIC PRODUCTS | | NR | NON CONTACT COOLING WATER ONLY | 1 | 1 | 99 |
| 3079 | 3432 | MISCELLANEOUS PLASTIC PRODUCTS | | NR | NON CONTACT COOLING WATER ONLY | 1 | 1 | 99 |
| 3079 | 3086 | MISCELLANEOUS PLASTIC PRODUCTS | 463 | B | CLEANING WATER | 5 | 6 | 18 |
| 3079 | 3086 | MISCELLANEOUS PLASTIC PRODUCTS | | NR | NON CONTACT COOLING WATER ONLY | 1 | 1 | 99 |

APPENDIX A
SIC Code Cross Reference
and Total and Human Health Toxicity Number

| 1977/1972/ | 1987 | 1987 | CFR | CFR | Sub-part title | Human Health Toxicity Number | Total Toxicity Number | Industry Subcat Number |
|------------|----------|--|------|----------|--|------------------------------|-----------------------|------------------------|
| SIC Code | SIC Code | Title | Part | Sub-Part | | | | |
| 3079 | 3089 | MISCELLANEOUS PLASTIC PRODUCTS | 463 | A | CONTACT COOLING & HEATING WATER | 4 | 6 | 26 |
| 3079 | 3089 | MISCELLANEOUS PLASTIC PRODUCTS | 463 | B | CLEANING WATER | 5 | 6 | 27 |
| 3079 | 3087 | MISCELLANEOUS PLASTIC PRODUCTS | 463 | C | FINISHING WATER | 6 | 8 | 22 |
| 3079 | 3089 | MISCELLANEOUS PLASTIC PRODUCTS | 463 | C | FINISHING WATER | 6 | 8 | 28 |
| 3079 | 3088 | MISCELLANEOUS PLASTIC PRODUCTS | 463 | A | CONTACT COOLING & HEATING WATER | 4 | 6 | 23 |
| 3079 | 3085 | MISCELLANEOUS PLASTIC PRODUCTS | 463 | C | FINISHING WATER | 6 | 8 | 13 |
| 3079 | 3088 | MISCELLANEOUS PLASTIC PRODUCTS | 463 | C | FINISHING WATER | 6 | 8 | 25 |
| 3079 | 3087 | MISCELLANEOUS PLASTIC PRODUCTS | 463 | B | CLEANING WATER | 5 | 6 | 21 |
| 3079 | 3087 | MISCELLANEOUS PLASTIC PRODUCTS | | NR | NON CONTACT COOLING WATER ONLY | 1 | 1 | 99 |
| 3079 | 3088 | MISCELLANEOUS PLASTIC PRODUCTS | 463 | B | CLEANING WATER | 5 | 6 | 24 |
| 3079 | 3088 | MISCELLANEOUS PLASTIC PRODUCTS | | NR | NON CONTACT COOLING WATER ONLY | 1 | 1 | 99 |
| 3079 | 3082 | MISCELLANEOUS PLASTIC PRODUCTS | 463 | A | CONTACT COOLING & HEATING WATER | 4 | 6 | 14 |
| 3079 | 3082 | MISCELLANEOUS PLASTIC PRODUCTS | 463 | C | FINISHING WATER | 6 | 8 | 16 |
| 3079 | 3086 | MISCELLANEOUS PLASTIC PRODUCTS | 463 | A | CONTACT COOLING & HEATING WATER | 4 | 6 | 17 |
| 3079 | 3086 | MISCELLANEOUS PLASTIC PRODUCTS | 463 | C | FINISHING WATER | 6 | 8 | 19 |
| 3079 | 3087 | MISCELLANEOUS PLASTIC PRODUCTS | 463 | A | CONTACT COOLING & HEATING WATER | 4 | 6 | 20 |
| 3111 | 3111 | LEATHER TANNING AND FINISHING | 425 | A | HAIR PULP, CHROME TAN,RETAN-WET FINISH | 7 | 8 | 1 |
| 3111 | 3111 | LEATHER TANNING AND FINISHING | 425 | I | RETAIN-WET FINISH - SPLITS | 1 | 6 | 9 |
| 3111 | 3111 | LEATHER TANNING AND FINISHING | | NR | NON-CONTACT COOLING WATER ONLY | 1 | 1 | 99 |
| 3111 | 3111 | LEATHER TANNING AND FINISHING | 425 | C | HAIR SAVE, NON-CHROME TAN, RETAN-WET FINIS | 5 | 9 | 3 |
| 3111 | 3111 | LEATHER TANNING AND FINISHING | 425 | E | NO BEAMHOUSE | 4 | 10 | 4 |
| 3111 | 3111 | LEATHER TANNING AND FINISHING | 425 | G | SHEARLING | 4 | 7 | 6 |
| 3111 | 3111 | LEATHER TANNING AND FINISHING | 425 | H | PIGSKIN | 4 | 10 | 8 |
| 3111 | 3111 | LEATHER TANNING AND FINISHING | 425 | B | HAIR SAVE, CHROME TAN,RETAN-WET FINISH | 3 | 7 | 2 |
| 3111 | 3111 | LEATHER TANNING AND FINISHING | 425 | D | RETAN-WET FINISH SIDES | 1 | 6 | 5 |
| 3111 | 3111 | LEATHER TANNING AND FINISHING | 425 | F | THROUGH-THE-BLUE | 1 | 10 | 7 |
| 3131 | 3131 | BOOT & SHOE CUT STOCK & FINDINGS | | NR | | 1 | 1 | 99 |
| 3142 | 3142 | HOUSE SLIPPERS | | NR | | 1 | 1 | 99 |
| 3143 | 3143 | MEN'S FOOTWEAR, EXCEPT ATHLETIC | | NR | | 1 | 1 | 99 |
| 3144 | 3144 | WOMEN'S FOOTWEAR, EXCEPT ATHLETIC | | NR | | 1 | 1 | 99 |
| 3149 | 3149 | FOOTWEAR, EXCEPT RUBBER NEC | | NR | | 1 | 1 | 99 |
| 3151 | 3151 | LEATHER GLOVES AND MITTENS | | NR | | 1 | 1 | 99 |
| 3161 | 3161 | LUGGAGE | | NR | | 1 | 1 | 99 |
| 3171 | 3171 | WOMEN'S HANDBAGS AND PURSES | | NR | | 1 | 1 | 99 |
| 3172 | 3172 | PERSONAL LEATHER GOODS, EXCEPT WOMEN'S H | | NR | | 1 | 1 | 99 |
| 3199 | 3199 | LEATHER GOODS NEC | | NR | | 1 | 1 | 99 |
| 3211 | 3211 | FLAT GLASS | 426 | B | SHEET GLASS MFG | 1 | 1 | 1 |
| 3211 | 3211 | FLAT GLASS | 426 | C | ROLLED GLASS MFG | 1 | 1 | 2 |
| 3211 | 3211 | FLAT GLASS | 426 | D | PLATE GLASS MFG | 1 | 1 | 3 |
| 3211 | 3211 | FLAT GLASS | 426 | E | FLOAT GLASS MFG | 1 | 1 | 4 |
| 3211 | 3211 | FLAT GLASS | 426 | F | AUTOMOTIVE GLASS TEMPERING | 1 | 1 | 5 |
| 3211 | 3211 | FLAT GLASS | 426 | G | AUTOMOTIVE GLASS LAMINATING | 1 | 1 | 6 |
| 3221 | 3221 | GLASS CONTAINERS | 426 | H | GLASS CONTAINER MFG | 1 | 1 | 0 |
| 3229 | 3229 | PRESSED & BLOWN GLASS & GLASSWARE NEC | 426 | I | MACHINE PRESSED & BLOWN GLASS MFG | 1 | 1 | 1 |
| 3229 | 3229 | PRESSED & BLOWN GLASS & GLASSWARE NEC | 426 | J | GLASS TUBING (DANNER) MFG | 1 | 1 | 2 |
| 3229 | 3229 | PRESSED & BLOWN GLASS & GLASSWARE NEC | 426 | K | TELEVISION PICTURE TUBE ENVELOPE MFG | 1 | 1 | 3 |
| 3229 | 3229 | PRESSED & BLOWN GLASS & GLASSWARE NEC | 426 | L | INCANDESCENT LAMP ENVELOPE MFG | 1 | 1 | 4 |
| 3229 | 3229 | PRESSED & BLOWN GLASS & GLASSWARE NEC | 426 | M | HAND PRESSED & BLOWN GLASS MFG | 1 | 1 | 5 |
| 3231 | 3231 | GLASS PRODUCTS MADE OF PURCHASED GLASS | 426 | F | AUTOMOTIVE GLASS TEMPERING | 1 | 1 | 1 |
| 3231 | 3231 | GLASS PRODUCTS MADE OF PURCHASED GLASS | 426 | G | AUTOMOTIVE GLASS LAMINATING | 1 | 1 | 2 |
| 3241 | 3241 | CEMENT, HYDRAULIC | 411 | A | NONLEACHING | 1 | 1 | 1 |
| 3241 | 3241 | CEMENT, HYDRAULIC | 411 | B | LEACHING | 1 | 1 | 2 |
| 3241 | 3241 | CEMENT, HYDRAULIC | 411 | C | MATERIALS STORAGE PILES RUNOFF | 1 | 1 | 3 |
| 3251 | 3251 | BRICK AND STRUCTURAL CLAY TILE | | NR | | 1 | 1 | 99 |

APPENDIX A
SIC Code Cross Reference
and Total and Human Health Toxicity Number

| 1972/ 1977 | 1987 | | CFR | CFR | Sub-part title | Human Health Toxicity Number | Total Toxicity Number | Industry Subcat Number |
|---------------|-------------|--|-------------|--------------|--|---------------------------------------|-----------------------------|------------------------------|
| SIC Code | SIC Code | 1987 Title | CFR Part | Sub- Part | | | | |
| 3253 | 3253 | CERAMIC WALL AND FLOOR TILE | | NR | | 1 | 1 | 99 |
| 3255 | 3255 | CLAY REFRACTORIES | | NR | | 1 | 1 | 99 |
| 3259 | 3259 | STRUCTURAL CLAY PRODUCTS NEC | | NR | | 1 | 1 | 99 |
| 3261 | 3261 | VITREOUS CHINA PLUMBING FIXTURES, ETC. | | NR | | 1 | 1 | 99 |
| 3262 | 3262 | VITREOUS CHINA TABLE & KITCHEN ARTICLES | | NR | | 1 | 1 | 99 |
| 3263 | 3263 | FINE EARTHENWARE | | NR | | 1 | 1 | 99 |
| 3264 | 3264 | PORCELAIN ELECTRICAL SUPPLIES | | NR | | 1 | 1 | 99 |
| 3269 | 3269 | POTTERY PRODUCTS, NEC | | NR | | 1 | 1 | 99 |
| 3271 | 3271 | CONCRETE BLOCK & BRICK | | NR | | 1 | 1 | 99 |
| 3272 | 3272 | CONCRETE PRODUCTS EXCEPT BLOCK & BRICK | | NR | | 1 | 1 | 99 |
| 3273 | 3273 | READY-MIXED CONCRETE | | NR | | 1 | 1 | 99 |
| 3274 | 3274 | LIME | 415 | E | CALCIUM OXIDE PRODUCTION | 1 | 1 | 0 |
| 3274 | 3274 | LIME | | NR | OTHER LIME PRODUCTION | 1 | 1 | 99 |
| 3275 | 3275 | GYPNUM PRODUCTS | | NR | | 1 | 1 | 99 |
| 3281 | 3281 | CUT STONE & STONE PRODUCTS | 436 | A | DIMENSION STONE | 1 | 1 | 0 |
| 3291 | 3291 | ABRASIVE PRODUCTS | | NR | | 1 | 1 | 99 |
| 3292 | 3292 | ASBESTOS PRODUCTS | 427 | A | ASBESTOS-CEMENT PIPE | 1 | 1 | 1 |
| 3292 | 3292 | ASBESTOS PRODUCTS | 427 | B | ASBESTOS-CEMENT SHEET | 1 | 1 | 2 |
| 3292 | 3292 | ASBESTOS PRODUCTS | 427 | I | SOLVENT RECOVERY | 1 | 1 | 7 |
| 3292 | 3292 | ASBESTOS PRODUCTS | 427 | F | ASBESTOS ROOFING | 1 | 1 | 4 |
| 3292 | 3292 | ASBESTOS PRODUCTS | 427 | G | ASBESTOS FLOOR TILE | 1 | 1 | 5 |
| 3292 | 3292 | ASBESTOS PRODUCTS | 427 | H | COATING OR FINISHING ASBESTOS TEXTILES | 1 | 1 | 6 |
| 3292 | 3292 | ASBESTOS PRODUCTS | 427 | E | ASBESTOS MILLBOARD | 1 | 1 | 3 |
| 3292 | 3292 | ASBESTOS PRODUCTS | 427 | J | VAPOR ABSORPTION | 1 | 1 | 8 |
| 3292 | 3292 | ASBESTOS PRODUCTS | 427 | K | WET DUST COLLECTION | 1 | 1 | 9 |
| 3293 | 3053 | GASKETS, PACKING & SEALING DEVICES | 427 | K | WET DUST COLLECTION (ASBESTOS) | 1 | 1 | 4 |
| 3293 | 3053 | GASKETS, PACKING & SEALING DEVICES | 428 | E | SM-SIZE GEN MOLDED,EXTR&FABR RUBBERPLANT | 5 | 5 | 3 |
| 3293 | 3053 | GASKETS, PACKING & SEALING DEVICES | 428 | F | MD-SIZE GEN MOLDED,EXTR&FABR RUBBERPLANT | 6 | 6 | 2 |
| 3293 | 3053 | GASKETS, PACKING & SEALING DEVICES | 428 | G | LG-SIZE GEN MOLDED,EXTR&FABR RUBBERPLANT | 6 | 6 | 1 |
| 3293 | 3053 | GASKETS, PACKING & SEALING DEVICES | | NR | NON-RUBBER PRODUCTS | 1 | 1 | 99 |
| 3295 | 3295 | MINERALS & EARTHS, GROUND OR OTHERWISE T | 436 | J | BARITE | 1 | 1 | 1 |
| 3295 | 3295 | MINERALS & EARTHS, GROUND OR OTHERWISE T | 436 | W | MAGNESITE | 1 | 1 | 2 |
| 3295 | 3295 | MINERALS & EARTHS, GROUND OR OTHERWISE T | 436 | X | DIATOMITE | 1 | 1 | 3 |
| 3295 | 3295 | MINERALS & EARTHS, GROUND OR OTHERWISE T | 436 | AG | KAOLIN | 1 | 1 | 4 |
| 3295 | 3295 | MINERALS & EARTHS, GROUND OR OTHERWISE T | 436 | AJ | TALC,STEATITE,SOAPSTONE & PYROPHYLLITE | 1 | 1 | 5 |
| 3295 | 3295 | MINERALS & EARTHS, GROUND OR OTHERWISE T | 436 | AL | GRAPHITE | 1 | 1 | 6 |
| 3295 | 3295 | MINERALS & EARTHS, GROUND OR OTHERWISE T | | NR | OTHER MINERALS & EARTHS | 1 | 1 | 99 |
| 3296 | 3296 | MINERAL WOOL | 426 | A | INSULATION FIBERGLASS | 1 | 1 | 1 |
| 3296 | 3296 | MINERAL WOOL | | NR | OTHER MINERAL WOOLS | 1 | 1 | 99 |
| 3299 | 3299 | NONMETALLIC MINERAL PRODUCTS, NEC | | NR | | 1 | 1 | 99 |
| 3312 | 3312 | BLAST FURNACES, STEEL WORKS & ROLLING MI | 420 | A | COKE MAKING | 10 | 10 | 6 |
| 3312 | 3312 | BLAST FURNACES, STEEL WORKS & ROLLING MI | 420 | B | SINTERING | 9 | 9 | 23 |
| 3312 | 3312 | BLAST FURNACES, STEEL WORKS & ROLLING MI | 420 | C | IRON MAKING | 10 | 10 | 5 |
| 3312 | 3312 | BLAST FURNACES, STEEL WORKS & ROLLING MI | 420 | D | STEEL MAKING | 10 | 10 | 1 |
| 3312 | 3312 | BLAST FURNACES, STEEL WORKS & ROLLING MI | 420 | E | VACUUM DEGASSING | 3 | 9 | 24 |
| 3312 | 3312 | BLAST FURNACES, STEEL WORKS & ROLLING MI | 420 | F | CONTINUOUS CASTING | 1 | 7 | 10 |
| 3312 | 3312 | BLAST FURNACES, STEEL WORKS & ROLLING MI | 420 | G | HOT FORMING | 1 | 3 | 16 |
| 3312 | 3312 | BLAST FURNACES, STEEL WORKS & ROLLING MI | | NR | NON-CONTACT COOLING WATER ONLY | 1 | 1 | 99 |
| 3312 | 3312 | BLAST FURNACES, STEEL WORKS & ROLLING MI | 420 | H | SALT BATH DESCALING | 9 | 10 | 22 |
| 3312 | 3312 | BLAST FURNACES, STEEL WORKS & ROLLING MI | 420 | J | COLD FORMING | 10 | 10 | 7 |
| 3312 | 3312 | BLAST FURNACES, STEEL WORKS & ROLLING MI | 420 | K | ALKALINE CLEANING | 8 | 8 | 9 |
| 3312 | 3312 | BLAST FURNACES, STEEL WORKS & ROLLING MI | 420 | L | HOT COATING | 10 | 10 | 13 |
| 3312 | 3312 | BLAST FURNACES, STEEL WORKS & ROLLING MI | 420 | I | ACID PICKLING | 10 | 10 | 20 |
| 3313 | 3313 | ELECTROMETALLURGICAL PRODUCTS | 420 | D | STEEL MAKING | 10 | 10 | 2 |

APPENDIX A
SIC Code Cross Reference
and Total and Human Health Toxicity Number

| 1972/ 1977 | 1987 | | CFR | | | Human | Total | Industry |
|---------------|------|--|------|------|---|--------|----------|----------|
| SIC | SIC | 1987 | CFR | Sub- | Sub-part title | Health | Toxicity | Subcat |
| Code | Code | Title | Part | Part | | Number | Number | Number |
| 3313 | 3313 | ELECTROMETALLURGICAL PRODUCTS | 420 | F | CONTINUOUS CASTING | 1 | 7 | 3 |
| 3313 | 3313 | ELECTROMETALLURGICAL PRODUCTS | | NR | NON-CONTACT COOLING WATER ONLY | 1 | 1 | 99 |
| 3313 | 3313 | ELECTROMETALLURGICAL PRODUCTS | 424 | A | OPEN ELECTRIC FURNACES W/WET APC | 5 | 5 | 4 |
| 3313 | 3313 | ELECTROMETALLURGICAL PRODUCTS | 424 | B | COVERED ELECTRIC FURNACES W/WET APC | 5 | 5 | 5 |
| 3313 | 3313 | ELECTROMETALLURGICAL PRODUCTS | 424 | G | ELECTROLYTIC CHROMIUM | 5 | 5 | 10 |
| 3313 | 3313 | ELECTROMETALLURGICAL PRODUCTS | 424 | D | COVERED CALCIUM CARBIDE FURNACES W/WAPC | 5 | 5 | 7 |
| 3313 | 3313 | ELECTROMETALLURGICAL PRODUCTS | 424 | E | OTHER CALCIUM CARBIDE FURNACES | 5 | 5 | 8 |
| 3313 | 3313 | ELECTROMETALLURGICAL PRODUCTS | 424 | F | ELECTROLYTIC MANGANESE PRODUCTS | 5 | 5 | 9 |
| 3313 | 3313 | ELECTROMETALLURGICAL PRODUCTS | 424 | C | SLAG PROCESSING | 5 | 5 | 6 |
| 3315 | 3315 | STEEL WIRE DRAWING & STEEL NAILS & SPIKE | 420 | H | SALT BATH DESCALING | 9 | 10 | 1 |
| 3315 | 3315 | STEEL WIRE DRAWING & STEEL NAILS & SPIKE | 420 | J | COLD FORMING | 10 | 10 | 3 |
| 3315 | 3315 | STEEL WIRE DRAWING & STEEL NAILS & SPIKE | 420 | K | ALKALINE CLEANING | 8 | 8 | 4 |
| 3315 | 3315 | STEEL WIRE DRAWING & STEEL NAILS & SPIKE | 420 | I | ACID PICKLING | 10 | 10 | 2 |
| 3316 | 3316 | COLD ROLLED STEEL SHEET, STRIP & BARS | 420 | J | COLD FORMING | 10 | 10 | 2 |
| 3316 | 3316 | COLD ROLLED STEEL SHEET, STRIP & BARS | 420 | I | ACID PICKLING | 10 | 10 | 1 |
| 3317 | 3317 | STEEL PIPE AND TUBES | 420 | H | SALT BATH DESCALING | 9 | 10 | 2 |
| 3317 | 3317 | STEEL PIPE AND TUBES | 420 | G | HOT FORMING | 1 | 3 | 1 |
| 3317 | 3317 | STEEL PIPE AND TUBES | 420 | I | ACID PICKLING | 10 | 10 | 3 |
| 3317 | 3317 | STEEL PIPE AND TUBES | 420 | J | COLD FORMING | 10 | 10 | 4 |
| 3317 | 3317 | STEEL PIPE AND TUBES | 420 | K | ALKALINE CLEANING | 8 | 8 | 5 |
| 3321 | 3321 | GRAY IRON FOUNDRIES | 464 | C | FERROUS CASTING | 1 | 9 | 0 |
| 3322 | 3322 | MALLEABLE IRON FOUNDRIES | 464 | C | FERROUS CASTING | 1 | 9 | 0 |
| 3324 | 3324 | STEEL INVESTMENT FOUNDRIES | 464 | C | FERROUS CASTING | 1 | 9 | 0 |
| 3325 | 3325 | STEEL FOUNDRIES, NEC | 464 | C | FERROUS CASTING | 1 | 9 | 0 |
| 3331 | 3331 | PRIMARY SMELTING AND REFINING OF COPPER | 421 | D | PRIMARY COPPER SMELTING | 1 | 8 | 1 |
| 3331 | 3331 | PRIMARY SMELTING AND REFINING OF COPPER | 421 | E | PRIMARY ELECTROLYTIC COPPER REFINING | 1 | 8 | 2 |
| 3331 | 3331 | PRIMARY SMELTING AND REFINING OF COPPER | 421 | I | METALLURGICAL ACID PLANTS | 10 | 10 | 3 |
| 3332 | 3339 | PRIMARY SMELTING AND REFINING OF LEAD | 421 | G | PRIMARY LEAD | 1 | 6 | 1 |
| 3332 | 3339 | PRIMARY SMELTING AND REFINING OF LEAD | 421 | I | METALLURGICAL ACID PLANTS | 10 | 10 | 2 |
| 3333 | 3339 | PRIMARY SMELTING AND REFINING OF ZINC | 421 | H | PRIMARY ZINC | 10 | 10 | 1 |
| 3333 | 3339 | PRIMARY SMELTING AND REFINING OF ZINC | 421 | I | METALLURGICAL ACID PLANTS | 10 | 10 | 2 |
| 3334 | 3334 | PRIMARY PRODUCTION OF ALUMINUM | 421 | A | BAUXITE REFINING | 10 | 10 | 2 |
| 3334 | 3334 | PRIMARY PRODUCTION OF ALUMINUM | 421 | B | PRIMARY ALUMINUM SMELTING | 10 | 10 | 1 |
| 3339 | 3339 | PRIMARY SMELT & REFIN OF NONFERROUS META | 421 | I | METALLURGICAL ACID PLANTS(MOLYBDENUM) | 10 | 10 | 36 |
| 3339 | 3339 | PRIMARY SMELT & REFIN OF NONFERROUS META | 421 | J | PRIMARY TUNGSTEN | 10 | 10 | 33 |
| 3339 | 3339 | PRIMARY SMELT & REFIN OF NONFERROUS META | 421 | K | PRIMARY COLUMBIUM-TANTALUM | 10 | 10 | 13 |
| 3339 | 3339 | PRIMARY SMELT & REFIN OF NONFERROUS META | 421 | N | PRIMARY ANTIMONY | 10 | 10 | 3 |
| 3339 | 3339 | PRIMARY SMELT & REFIN OF NONFERROUS META | 421 | O | PRIMARY BERYLLIUM | 10 | 10 | 6 |
| 3339 | 3339 | PRIMARY SMELT & REFIN OF NONFERROUS META | 421 | P | PRIMARY BORON | 10 | 10 | 8 |
| 3339 | 3339 | PRIMARY SMELT & REFIN OF NONFERROUS META | 421 | Q | PRIMARY CALCIUM & RUBIDIUM | 10 | 10 | 11 |
| 3339 | 3339 | PRIMARY SMELT & REFIN OF NONFERROUS META | 421 | R | PRIMARY & SECONDARY GERMANIUM & GALLIUM | 10 | 10 | 15 |
| 3339 | 3339 | PRIMARY SMELT & REFIN OF NONFERROUS META | 424 | G | ELECTROLYTIC CHROMIUM | 8 | 8 | 37 |
| 3339 | 3339 | PRIMARY SMELT & REFIN OF NONFERROUS META | 421 | W | PRIMARY NICKEL & COBALT | 1 | 9 | 22 |
| 3339 | 3339 | PRIMARY SMELT & REFIN OF NONFERROUS META | | NR | PRIMARY ARSENIC | 5 | 5 | 99 |
| 3339 | 3339 | PRIMARY SMELT & REFIN OF NONFERROUS META | | NR | PRIMARY BARIUM | 5 | 5 | 99 |
| 3339 | 3339 | PRIMARY SMELT & REFIN OF NONFERROUS META | 421 | AC | PRIMARY & SECONDARY TIN | 10 | 10 | 31 |
| 3339 | 3339 | PRIMARY SMELT & REFIN OF NONFERROUS META | | NR | PRIMARY BISMUTH | 5 | 5 | 99 |
| 3339 | 3339 | PRIMARY SMELT & REFIN OF NONFERROUS META | | NR | PRIMARY URANIUM | 8 | 8 | 99 |
| 3339 | 3339 | PRIMARY SMELT & REFIN OF NONFERROUS META | | NR | PRIMARY CALCIUM | 5 | 5 | 99 |
| 3339 | 3339 | PRIMARY SMELT & REFIN OF NONFERROUS META | | NR | PRIMARY PLATINUM GROUP | 8 | 8 | 99 |
| 3339 | 3339 | PRIMARY SMELT & REFIN OF NONFERROUS META | | NR | PRIMARY & SECONDARY INDIUM | 8 | 8 | 99 |
| 3339 | 3339 | PRIMARY SMELT & REFIN OF NONFERROUS META | | NR | PRIMARY SELENIUM | 10 | 10 | 99 |
| 3339 | 3339 | PRIMARY SMELT & REFIN OF NONFERROUS META | | NR | PRIMARY LITHIUM | 8 | 8 | 99 |
| 3339 | 3339 | PRIMARY SMELT & REFIN OF NONFERROUS META | 421 | AA | PRIMARY RARE EARTH METALS | 10 | 10 | 24 |

APPENDIX A
SIC Code Cross Reference
and Total and Human Health Toxicity Number

| 1972/ 1977 | 1987 | | CFR | | | Human | Total | Industry |
|---------------|------|--|------|------|-----------------------------------|--------|----------|----------|
| SIC | SIC | 1987 | CFR | Sub- | Sub-part title | Health | Toxicity | Subcat |
| Code | Code | Title | Part | Part | | Number | Number | Number |
| 3339 | 3339 | PRIMARY SMELT & REFIN OF NONFERROUS META | 421 | AG | PRIMARY ZIRCONIUM & HAFNIUM | 7 | 10 | 35 |
| 3339 | 3339 | PRIMARY SMELT & REFIN OF NONFERROUS META | | NR | PRIMARY CADMIUM | 10 | 10 | 99 |
| 3339 | 3339 | PRIMARY SMELT & REFIN OF NONFERROUS META | | NR | PRIMARY TELLURIUM | 10 | 10 | 99 |
| 3339 | 3339 | PRIMARY SMELT & REFIN OF NONFERROUS META | 421 | AD | PRIMARY & SECONDARY TITANIUM | 9 | 10 | 32 |
| 3339 | 3339 | PRIMARY SMELT & REFIN OF NONFERROUS META | | NR | PRIMARY MAGNESIUM | 5 | 5 | 99 |
| 3339 | 3339 | PRIMARY SMELT & REFIN OF NONFERROUS META | | NR | NON-CONTACT COOLING WATER ONLY | 1 | 1 | 99 |
| 3339 | 3339 | PRIMARY SMELT & REFIN OF NONFERROUS META | 424 | F | ELECTROLYTIC MANGANESE PRODUCTS | 8 | 8 | 36 |
| 3339 | 3339 | PRIMARY SMELT & REFIN OF NONFERROUS META | 421 | U | PRIMARY MOLYBDENUM & RHENIUM | 10 | 10 | 21 |
| 3339 | 3339 | PRIMARY SMELT & REFIN OF NONFERROUS META | 421 | Y | PRIMARY PRECIOUS METALS & MERCURY | 1 | 10 | 16 |
| 3341 | 3341 | SECONDARY SMELT & REFIN OF NONFERROUS ME | 421 | C | SECONDARY ALUMINUM SMELTING | 1 | 8 | 1 |
| 3341 | 3341 | SECONDARY SMELT & REFIN OF NONFERROUS ME | 421 | AB | SECONDARY TANTALUM | 10 | 10 | 16 |
| 3341 | 3341 | SECONDARY SMELT & REFIN OF NONFERROUS ME | 421 | AE | SECONDARY TUNGSTEN & COBALT | 10 | 10 | 19 |
| 3341 | 3341 | SECONDARY SMELT & REFIN OF NONFERROUS ME | 421 | L | SECONDARY SILVER-PHOTOGRAPHIC | 7 | 8 | 15 |
| 3341 | 3341 | SECONDARY SMELT & REFIN OF NONFERROUS ME | 421 | AF | SECONDARY URANIUM | 10 | 10 | 20 |
| 3341 | 3341 | SECONDARY SMELT & REFIN OF NONFERROUS ME | 421 | M | SECONDARY LEAD | 10 | 10 | 8 |
| 3341 | 3341 | SECONDARY SMELT & REFIN OF NONFERROUS ME | | NR | SECONDARY BERYLLIUM | 5 | 5 | 99 |
| 3341 | 3341 | SECONDARY SMELT & REFIN OF NONFERROUS ME | 421 | T | SECONDARY MERCURY | 8 | 8 | 10 |
| 3341 | 3341 | SECONDARY SMELT & REFIN OF NONFERROUS ME | | NR | SECONDARY BABBITT | 5 | 5 | 99 |
| 3341 | 3341 | SECONDARY SMELT & REFIN OF NONFERROUS ME | 421 | X | SECONDARY NICKEL | 8 | 8 | 11 |
| 3341 | 3341 | SECONDARY SMELT & REFIN OF NONFERROUS ME | | NR | SECONDARY BORON | 8 | 8 | 99 |
| 3341 | 3341 | SECONDARY SMELT & REFIN OF NONFERROUS ME | 421 | F | SECONDARY COPPER | 1 | 8 | 7 |
| 3341 | 3341 | SECONDARY SMELT & REFIN OF NONFERROUS ME | 421 | S | SECONDARY INDIUM | 5 | 5 | 23 |
| 3341 | 3341 | SECONDARY SMELT & REFIN OF NONFERROUS ME | 421 | V | SECONDARY MOLYBDENUM & VANADIUM | 10 | 10 | 24 |
| 3341 | 3341 | SECONDARY SMELT & REFIN OF NONFERROUS ME | 421 | Z | SECONDARY PRECIOUS METALS | 10 | 10 | 13 |
| 3341 | 3341 | SECONDARY SMELT & REFIN OF NONFERROUS ME | 421 | L | SECONDARY SILVER-NON-PHOTOGRAPHIC | 7 | 8 | 22 |
| 3341 | 3341 | SECONDARY SMELT & REFIN OF NONFERROUS ME | | NR | SECONDARY COLUMBIUM | 8 | 8 | 99 |
| 3341 | 3341 | SECONDARY SMELT & REFIN OF NONFERROUS ME | | NR | SECONDARY MAGNESIUM | 8 | 8 | 99 |
| 3341 | 3341 | SECONDARY SMELT & REFIN OF NONFERROUS ME | | NR | SECONDARY PLUTONIUM | 8 | 8 | 99 |
| 3341 | 3341 | SECONDARY SMELT & REFIN OF NONFERROUS ME | | NR | SECONDARY TIN | 8 | 8 | 99 |
| 3341 | 3341 | SECONDARY SMELT & REFIN OF NONFERROUS ME | | NR | SECONDARY TITANIUM | 8 | 8 | 99 |
| 3341 | 3341 | SECONDARY SMELT & REFIN OF NONFERROUS ME | | NR | SECONDARY ZINC | 8 | 8 | 99 |
| 3341 | 3341 | SECONDARY SMELT & REFIN OF NONFERROUS ME | | NR | NON-CONTACT COOLING WATER ONLY | 1 | 1 | 99 |
| 3341 | 3341 | SECONDARY SMELT & REFIN OF NONFERROUS ME | | NR | SECONDARY CADMIUM | 5 | 5 | 99 |
| 3351 | 3351 | ROLLING, DRAWING & EXTRUDING OF COPPER | 468 | A | COPPER FORMING | 1 | 9 | 1 |
| 3351 | 3351 | ROLLING, DRAWING & EXTRUDING OF COPPER | 468 | B | BERYLLIUM COPPER ALLOY FORMING | 1 | 9 | 2 |
| 3351 | 3351 | ROLLING, DRAWING & EXTRUDING OF COPPER | | NR | NON-CONTACT COOLING WATER ONLY | 1 | 1 | 99 |
| 3353 | 3353 | ALUMINUM SHEET, PLATE AND FOIL | 464 | A | ALUMINUM CASTING | 1 | 8 | 1 |
| 3353 | 3353 | ALUMINUM SHEET, PLATE AND FOIL | 467 | A | ROLLING WITH HEAT OILS | 5 | 8 | 2 |
| 3353 | 3353 | ALUMINUM SHEET, PLATE AND FOIL | 467 | B | ROLLING WITH EMULSIONS | 4 | 8 | 3 |
| 3353 | 3353 | ALUMINUM SHEET, PLATE AND FOIL | | NR | NON-CONTACT COOLING WATER ONLY | 1 | 1 | 99 |
| 3354 | 3354 | ALUMINUM EXTRUDED PRODUCTS | 467 | C | EXTRUSION | 1 | 8 | 2 |
| 3354 | 3354 | ALUMINUM EXTRUDED PRODUCTS | 467 | E | DRAWING WITH HEAT OILS | 1 | 9 | 3 |
| 3354 | 3354 | ALUMINUM EXTRUDED PRODUCTS | 467 | F | DRAWING WITH EMULSIONS OR SOAPS | 4 | 8 | 1 |
| 3354 | 3354 | ALUMINUM EXTRUDED PRODUCTS | | NR | NON-CONTACT COOLING WATER ONLY | 1 | 1 | 99 |
| 3355 | 3355 | ALUMINUM ROLLING & DRAWING NEC | 464 | A | ALUMINUM CASTING | 1 | 8 | 1 |
| 3355 | 3355 | ALUMINUM ROLLING & DRAWING NEC | 467 | A | ROLLING WITH HEAT OILS | 5 | 8 | 2 |
| 3355 | 3355 | ALUMINUM ROLLING & DRAWING NEC | 467 | B | ROLLING WITH EMULSIONS | 4 | 8 | 3 |
| 3355 | 3355 | ALUMINUM ROLLING & DRAWING NEC | 467 | E | DRAWING WITH HEAT OILS | 1 | 9 | 4 |
| 3355 | 3355 | ALUMINUM ROLLING & DRAWING NEC | 467 | F | DRAWING WITH EMULSIONS OR SOAPS | 4 | 8 | 5 |
| 3355 | 3355 | ALUMINUM ROLLING & DRAWING NEC | | NR | NON-CONTACT COOLING WATER ONLY | 1 | 1 | 99 |
| 3356 | 3356 | ROLLING, DRAWING & EXTRUDING NONFERROUS | 471 | A | BERYLLIUM FORMING | 5 | 5 | 1 |
| 3356 | 3356 | ROLLING, DRAWING & EXTRUDING NONFERROUS | 471 | B | LEAD/TIN/BISMUTH FORMING | 9 | 10 | 2 |
| 3356 | 3356 | ROLLING, DRAWING & EXTRUDING NONFERROUS | 471 | D | NICKEL-COBALT FORMING | 8 | 9 | 4 |
| 3356 | 3356 | ROLLING, DRAWING & EXTRUDING NONFERROUS | 471 | E | PRECIOUS METALS FORMING | 1 | 10 | 5 |

APPENDIX A
SIC Code Cross Reference
and Total and Human Health Toxicity Number

| 1972/ 1977 | 1987 | | CFR | | Human | Total | Industry | |
|---------------|------|--|------|------|--|----------|----------|--------|
| SIC | SIC | 1987 | CFR | Sub- | Sub-part title | Toxicity | Toxicity | Subcat |
| Code | Code | Title | Part | Part | | Number | Number | Number |
| 3356 | 3356 | ROLLING, DRAWING & EXTRUDING NONFERROUS | 471 | F | REFRACTORY METALS FORMING | 1 | 8 | 6 |
| 3356 | 3356 | ROLLING, DRAWING & EXTRUDING NONFERROUS | 471 | G | TITANIUM FORMING | 3 | 8 | 7 |
| 3356 | 3356 | ROLLING, DRAWING & EXTRUDING NONFERROUS | 471 | H | URANIUM FORMING | 1 | 8 | 8 |
| 3356 | 3356 | ROLLING, DRAWING & EXTRUDING NONFERROUS | 471 | I | ZINC FORMING | 1 | 8 | 9 |
| 3356 | 3356 | ROLLING, DRAWING & EXTRUDING NONFERROUS | 471 | J | ZIRCONIUM/HAFNIUM FORMING | 7 | 9 | 10 |
| 3356 | 3356 | ROLLING, DRAWING & EXTRUDING NONFERROUS | | NR | NON-CONTACT COOLING WATER ONLY | 1 | 1 | 99 |
| 3357 | 3357 | DRAWING & INSULATING OF NONFERROUS WIRE | 433 | A | METAL FINISHING | 1 | 9 | 1 |
| 3357 | 3357 | DRAWING & INSULATING OF NONFERROUS WIRE | 463 | A | CONTACT COOLING&HEATING WATER(PLASTICS) | 4 | 6 | 2 |
| 3357 | 3357 | DRAWING & INSULATING OF NONFERROUS WIRE | 463 | B | CLEANING & FINISHING WATER (PLASTICS) | 5 | 6 | 3 |
| 3357 | 3357 | DRAWING & INSULATING OF NONFERROUS WIRE | 467 | E | DRAWING WITH HEAT OILS (ALUMINUM) | 1 | 9 | 4 |
| 3357 | 3357 | DRAWING & INSULATING OF NONFERROUS WIRE | 467 | F | DRAWING W/ EMULSIONS OR SOAPS (ALUMINUM) | 4 | 8 | 1 |
| 3357 | 3357 | DRAWING & INSULATING OF NONFERROUS WIRE | 468 | A | COPPER FORMING | 1 | 9 | 6 |
| 3357 | 3357 | DRAWING & INSULATING OF NONFERROUS WIRE | | NR | NON-CONTACT COOLING WATER ONLY | 1 | 1 | 99 |
| 3361 | 3363 | ALUMINUM FOUNDRIES (CASTING) | 464 | A | ALUMINUM CASTING | 1 | 8 | 1 |
| 3361 | 3365 | ALUMINUM FOUNDRIES (CASTING) | 464 | A | ALUMINUM CASTING | 1 | 8 | 2 |
| 3362 | 3364 | BRASS, BRONZE, COPPER, COPPER BASE ALLOY | 464 | B | COPPER CASTING | 5 | 8 | 1 |
| 3362 | 3366 | BRASS, BRONZE, COPPER, COPPER BASE ALLOY | 464 | B | COPPER CASTING | 5 | 8 | 2 |
| 3369 | 3364 | NONFERROUS FOUNDRIES (CASTINGS)NEC | 464 | B | COPPER CASTING | 5 | 8 | 1 |
| 3369 | 3369 | NONFERROUS FOUNDRIES, NEC | 464 | D | ZINC CASTING | 10 | 10 | 2 |
| 3398 | 3398 | METAL HEAT TREATING | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3399 | 3399 | PRIMARY METAL PRODUCTS, NEC | 433 | A | METAL FINISHING | 1 | 9 | 1 |
| 3399 | 3399 | PRIMARY METAL PRODUCTS, NEC | 471 | K | METAL POWDERS | 7 | 9 | 2 |
| 3399 | 3399 | PRIMARY METAL PRODUCTS, NEC | | NR | OTHER PRODUCTS | 1 | 1 | 99 |
| 3411 | 3411 | METAL CANS | 465 | D | CAN MAKING | 1 | 7 | 0 |
| 3412 | 3412 | METAL BARRELS, DRUMS AND PAILS | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3412 | 3412 | METAL BARRELS, DRUMS AND PAILS | | NR | DRUM RECYCLING | 8 | 8 | 99 |
| 3412 | 3412 | METAL BARRELS, DRUMS AND PAILS | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3421 | 3421 | CUTLERY | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3421 | 3421 | CUTLERY | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3423 | 3423 | HAND AND EDGE TOOLS, NEC | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3423 | 3423 | HAND AND EDGE TOOLS, NEC | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3425 | 3425 | HAND SAWS AND SAW BLADES | 433 | A | METAL FINISHING | 1 | 9 | 1 |
| 3429 | 3429 | HARDWARE, NEC | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3429 | 3429 | HARDWARE, NEC | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3431 | 3431 | METAL SANITARY WARE | 466 | B | CAST IRON BASIS MATERIAL | 10 | 10 | 0 |
| 3432 | 3432 | PLUMBING FITTINGS AND BRASS GOODS | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3432 | 3432 | PLUMBING FITTINGS AND BRASS GOODS | 433 | A | METAL FINISHING | 1 | 9 | 1 |
| 3432 | 3432 | PLUMBING FITTINGS AND BRASS GOODS | 468 | A | COPPER FORMING | 1 | 9 | 2 |
| 3433 | 3567 | HEATING EQUIPMENT, EXCEPT ELECTRIC | 433 | A | METAL FINISHING | 1 | 9 | 1 |
| 3433 | 3567 | HEATING EQUIPMENT, EXCEPT ELECTRIC | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3433 | 3433 | HEATING EQUIPMENT, EXCEPT ELECTRIC | 433 | A | METAL FINISHING | 1 | 9 | 2 |
| 3433 | 3433 | HEATING EQUIPMENT, EXCEPT ELECTRIC | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3441 | 3441 | FABRICATED STRUCTURAL METAL | | NR | | 1 | 1 | 99 |
| 3442 | 2431 | METAL DOORS, SASH AND TRIM | | | | 1 | 1 | 1 |
| 3442 | 3442 | METAL DOORS, SASH, AND TRIM | 433 | A | METAL FINISHING | 1 | 9 | 2 |
| 3442 | 3442 | METAL DOORS, SASH, AND TRIM | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3443 | 3443 | FABRICATED PLATE WORK (BOILER SHOPS) | | NR | | 1 | 1 | 99 |
| 3444 | 3444 | SHEET METAL WORK | | NR | | 1 | 1 | 99 |
| 3444 | 3449 | SHEET METAL WORK | | NR | | 1 | 1 | 99 |
| 3446 | 3446 | ARCHITECTURAL METAL WORK | | NR | | 1 | 1 | 99 |
| 3448 | 3448 | PREFABRICATED METAL BUILDINGS | | NR | | 1 | 1 | 99 |
| 3449 | 3449 | MISCELLANEOUS METAL WORK | | NR | | 1 | 1 | 99 |
| 3451 | 3451 | SCREW MACHINE PRODUCTS | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3451 | 3451 | SCREW MACHINE PRODUCTS | | NR | NO ELECTROPLATING | 1 | 1 | 99 |

APPENDIX A
SIC Code Cross Reference
and Total and Human Health Toxicity Number

| 1972/ 1977 | 1987 | | CFR | CFR | | Human | Total | Industry |
|---------------|------|--------------------------------------|------|------|---|--------|----------|----------|
| SIC | SIC | 1987 | CFR | Sub- | Sub-part title | Health | Toxicity | Subcat |
| Code | Code | Title | Part | Part | | Number | Number | Number |
| 3452 | 3452 | BOLTS, NUTS, RIVETS AND WASHERS | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3452 | 3452 | BOLTS, NUTS, RIVETS AND WASHERS | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3462 | 3462 | IRON AND STEEL FORGINGS | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3462 | 3462 | IRON AND STEEL FORGINGS | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3463 | 3463 | NONFERROUS FORGINGS | 433 | A | METAL FINISHING | 1 | 9 | 3 |
| 3463 | 3463 | NONFERROUS FORGINGS | 467 | D | FORGING (ALUMINUM) | 5 | 5 | 1 |
| 3463 | 3463 | NONFERROUS FORGINGS | 468 | A | COPPER FORMING | 1 | 9 | 2 |
| 3463 | 3463 | NONFERROUS FORGINGS | 471 | A | BERYLLIUM FORMING | 5 | 5 | 4 |
| 3463 | 3463 | NONFERROUS FORGINGS | 471 | B | LEAD/TIN/BISMUTH FORMING | 9 | 10 | 5 |
| 3463 | 3463 | NONFERROUS FORGINGS | 471 | C | MAGNESIUM FORMING | 5 | 5 | 6 |
| 3463 | 3463 | NONFERROUS FORGINGS | 471 | D | NICKEL-COBALT FORMING | 8 | 9 | 7 |
| 3463 | 3463 | NONFERROUS FORGINGS | 471 | E | PRECIOUS METALS FORMING | 1 | 10 | 8 |
| 3463 | 3463 | NONFERROUS FORGINGS | 471 | J | ZIRCONIUM/HAFNIUM FORMING | 7 | 9 | 13 |
| 3463 | 3463 | NONFERROUS FORGINGS | 471 | G | TITANIUM FORMING | 3 | 8 | 10 |
| 3463 | 3463 | NONFERROUS FORGINGS | 471 | H | URANIUM FORMING | 1 | 8 | 11 |
| 3463 | 3463 | NONFERROUS FORGINGS | 471 | I | ZINC FORMING | 1 | 8 | 12 |
| 3463 | 3463 | NONFERROUS FORGINGS | 471 | F | REFRACTORY METALS FORMING | 1 | 8 | 9 |
| 3463 | 3463 | NONFERROUS FORGINGS | | NR | NON-CONTACT COOLING WATER ONLY | 1 | 1 | 99 |
| 3465 | 3465 | AUTOMOTIVE STAMPINGS | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3465 | 3465 | AUTOMOTIVE STAMPINGS | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3466 | 3466 | CROWNS AND CLOSURES | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3466 | 3466 | CROWNS AND CLOSURES | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3469 | 3449 | METAL STAMPINGS, NEC | | NR | | 1 | 1 | 99 |
| 3469 | 3469 | METAL STAMPINGS, NEC | | NR | | 1 | 1 | 99 |
| 3471 | 3471 | PLATING AND POLISHING | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3479 | 3479 | METAL COATING AND ALLIED SERVICES | 420 | L | HOT COATING | 10 | 10 | 5 |
| 3479 | 3479 | METAL COATING AND ALLIED SERVICES | 433 | A | METAL FINISHING | 1 | 9 | 4 |
| 3479 | 3479 | METAL COATING AND ALLIED SERVICES | | NR | NO ELECTROPLATING/COATING | 1 | 1 | 99 |
| 3479 | 3479 | METAL COATING AND ALLIED SERVICES | 465 | A | STEEL BASIS MATERIAL COATING | 10 | 10 | 2 |
| 3479 | 3479 | METAL COATING AND ALLIED SERVICES | 465 | B | GALVANIZED BASIS MATERIAL COATING | 10 | 10 | 3 |
| 3479 | 3479 | METAL COATING AND ALLIED SERVICES | 465 | C | ALUMINUM BASIS MATERIAL COATING | 10 | 10 | 1 |
| 3482 | 3482 | SMALL ARMS AMMUNITION | 433 | A | METAL FINISHING | 1 | 9 | 1 |
| 3482 | 3482 | SMALL ARMS AMMUNITION | 457 | C | EXPLOSIVES LOAD, ASSEMBLE & PACK PLANTS | 6 | 6 | 2 |
| 3482 | 3482 | SMALL ARMS AMMUNITION | | NR | NO ELECTROPLATING/EXPLOSIVES | 1 | 1 | 99 |
| 3482 | 3482 | SMALL ARMS AMMUNITION | 463 | A | CONTACT COOLING&HEATING WATER(PLASTICS) | 4 | 6 | 3 |
| 3482 | 3482 | SMALL ARMS AMMUNITION | 463 | B | CLEANING WATER (PLASTICS) | 5 | 6 | 4 |
| 3483 | 3483 | AMMUNITION, EXC. FOR SMALL ARMS, NEC | 433 | A | METAL FINISHING | 1 | 9 | 1 |
| 3483 | 3483 | AMMUNITION, EXC. FOR SMALL ARMS, NEC | 457 | C | EXPLOSIVES LOAD, ASSEMBLE & PACK PLANTS | 6 | 6 | 2 |
| 3483 | 3483 | AMMUNITION, EXC. FOR SMALL ARMS, NEC | | NR | NO ELECTROPLATING/EXPLOSIVES | 1 | 1 | 99 |
| 3484 | 3484 | SMALL ARMS | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3484 | 3484 | SMALL ARMS | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3489 | 3489 | ORDNANCE AND ACCESSORIES, NEC | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3489 | 3489 | ORDNANCE AND ACCESSORIES, NEC | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3493 | 3493 | STEEL SPRINGS, EXCEPT WIRE | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3493 | 3493 | STEEL SPRINGS, EXCEPT WIRE | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3494 | 3492 | VALVES AND PIPE FITTINGS | 433 | A | METAL FINISHING | 1 | 9 | 1 |
| 3494 | 3491 | VALVES AND PIPE FITTINGS | 433 | A | METAL FINISHING | 1 | 9 | 2 |
| 3494 | 3494 | VALVES AND PIPE FITTINGS | 433 | A | METAL FINISHING | 1 | 9 | 3 |
| 3494 | 3494 | VALVES AND PIPE FITTINGS | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3494 | 3494 | VALVES AND PIPE FITTINGS | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3494 | 3492 | VALVES AND PIPE FITTINGS | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3495 | 3495 | WIRE SPRINGS | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3495 | 3495 | WIRE SPRINGS | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3496 | 3496 | MISC. FABRICATED WIRE PRODUCTS | 433 | A | METAL FINISHING | 1 | 9 | 0 |

APPENDIX A
SIC Code Cross Reference
and Total and Human Health Toxicity Number

| 1972/ 1977 | 1987 | 1987 | CFR | CFR | Sub-part title | Human Health Toxicity Number | Total Toxicity Number | Industry Subcat Number |
|---------------|-------------|--------------------------------------|------|--------------|---------------------------------|---------------------------------------|-----------------------------|------------------------------|
| SIC Code | SIC Code | Title | Part | Sub- Part | | | | |
| 3496 | 3496 | MISC. FABRICATED WIRE PRODUCTS | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3497 | 3497 | METAL FOIL AND LEAF | 468 | A | COPPER FORMING | 1 | 9 | 2 |
| 3497 | 3497 | METAL FOIL AND LEAF | 471 | E | PRECIOUS METALS FORMING | 1 | 10 | 7 |
| 3497 | 3497 | METAL FOIL AND LEAF | 465 | C | ALUMINUM BASIS MATERIAL COATING | 5 | 5 | 1 |
| 3497 | 3497 | METAL FOIL AND LEAF | 471 | B | LEAD/TIN/BISMUTH FORMING | 9 | 10 | 4 |
| 3497 | 3497 | METAL FOIL AND LEAF | 471 | C | MAGNESIUM FORMING | 5 | 5 | 5 |
| 3497 | 3497 | METAL FOIL AND LEAF | 471 | D | NICKEL-COBALT FORMING | 8 | 9 | 6 |
| 3497 | 3497 | METAL FOIL AND LEAF | 471 | A | BERYLLIUM FORMING | 5 | 5 | 3 |
| 3497 | 3497 | METAL FOIL AND LEAF | 471 | F | REFRACTORY METALS FORMING | 1 | 8 | 8 |
| 3497 | 3497 | METAL FOIL AND LEAF | 471 | G | TITANIUM FORMING | 3 | 8 | 9 |
| 3497 | 3497 | METAL FOIL AND LEAF | 471 | H | URANIUM FORMING | 1 | 8 | 10 |
| 3497 | 3497 | METAL FOIL AND LEAF | 471 | I | ZINC FORMING | 1 | 8 | 11 |
| 3497 | 3497 | METAL FOIL AND LEAF | 471 | J | ZIRCONIUM/HAFNIUM FORMING | 7 | 9 | 12 |
| 3498 | 3498 | FABRICATED PIPE AND FITTINGS | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3498 | 3498 | FABRICATED PIPE AND FITTINGS | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3499 | 3499 | FABRICATED METAL PRODUCTS, NEC | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3499 | 3499 | FABRICATED METAL PRODUCTS, NEC | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3511 | 3511 | TURBINES AND TURBINE GENERATOR SETS | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3511 | 3511 | TURBINES AND TURBINE GENERATOR SETS | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3519 | 3519 | INTERNAL COMBUSTION ENGINES, NEC | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3519 | 3519 | INTERNAL COMBUSTION ENGINES, NEC | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3523 | 3523 | FARM MACHINERY AND EQUIPMENT | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3523 | 3523 | FARM MACHINERY AND EQUIPMENT | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3524 | 3524 | LAWN AND GARDEN EQUIPMENT | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3524 | 3524 | LAWN AND GARDEN EQUIPMENT | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3531 | 3531 | CONSTRUCTION MACHINERY | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3531 | 3531 | CONSTRUCTION MACHINERY | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3532 | 3532 | MINING MACHINERY | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3532 | 3532 | MINING MACHINERY | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3533 | 3533 | OIL FIELD MACHINERY | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3533 | 3533 | OIL FIELD MACHINERY | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3534 | 3534 | ELEVATORS AND MOVING STAIRWAYS | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3534 | 3534 | ELEVATORS AND MOVING STAIRWAYS | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3535 | 3535 | CONVEYORS AND CONVEYING EQUIPMENT | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3535 | 3535 | CONVEYORS AND CONVEYING EQUIPMENT | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3536 | 3536 | HOISTS, CRANES AND MONORAILS | 433 | A | METAL FINISHING | 1 | 9 | 2 |
| 3536 | 3536 | HOISTS, CRANES AND MONORAILS | 433 | A | METAL FINISHING | 1 | 9 | 1 |
| 3536 | 3537 | HOISTS, CRANES AND MONORAILS | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3536 | 3536 | HOISTS, CRANES AND MONORAILS | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3536 | 3536 | HOISTS, CRANES AND MONORAILS | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3536 | 3531 | HOISTS, CRANES AND MONORAILS | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3536 | 3537 | HOISTS, CRANES AND MONORAILS | 433 | A | METAL FINISHING | 1 | 9 | 3 |
| 3537 | 3537 | INDUSTRIAL TRUCKS AND TRACTORS | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3537 | 3537 | INDUSTRIAL TRUCKS AND TRACTORS | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3541 | 3541 | MACHINE TOOLS, METAL CUTTING TYPES | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3541 | 3541 | MACHINE TOOLS, METAL CUTTING TYPES | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3542 | 3542 | MACHINE TOOLS, METAL FORMING TYPES | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3542 | 3542 | MACHINE TOOLS, METAL FORMING TYPES | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3544 | 3544 | SPECIAL DIES, TOOLS, JIGS & FIXTURES | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3544 | 3544 | SPECIAL DIES, TOOLS, JIGS & FIXTURES | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3545 | 3545 | MACHINE TOOL ACCESSORIES | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3545 | 3545 | MACHINE TOOL ACCESSORIES | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3546 | 3546 | POWER DRIVEN HAND TOOLS | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3546 | 3546 | POWER DRIVEN HAND TOOLS | | NR | NO ELECTROPLATING | 1 | 1 | 99 |

APPENDIX A
SIC Code Cross Reference
and Total and Human Health Toxicity Number

| 1972/ 1977 | 1987 | 1987 | CFR | CFR | Sub-part title | Human Health Toxicity Number | Total Toxicity Number | Industry Subcat Number |
|---------------|-------------|-----------------------------------|------|--------------|--|---------------------------------------|-----------------------------|------------------------------|
| SIC Code | SIC Code | Title | Part | Sub- Part | | | | |
| 3547 | 3547 | ROLLING MILL MACHINERY | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3547 | 3547 | ROLLING MILL MACHINERY | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3549 | 3548 | METALWORKING MACHINERY, NEC | 433 | A | METAL FINISHING | 1 | 9 | 1 |
| 3549 | 3548 | METALWORKING MACHINERY, NEC | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3549 | 3559 | METALWORKING MACHINERY, NEC | 433 | A | METAL FINISHING | 1 | 9 | 2 |
| 3549 | 3559 | METALWORKING MACHINERY, NEC | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3549 | 3549 | METALWORKING MACHINERY, NEC | 433 | A | METAL FINISHING | 1 | 9 | 3 |
| 3549 | 3549 | METALWORKING MACHINERY, NEC | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3551 | 3565 | FOOD PRODUCTS MACHINERY | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3552 | 3552 | TEXTILE MACHINERY | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3552 | 3552 | TEXTILE MACHINERY | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3553 | 3553 | WOODWORKING MACHINERY | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3553 | 3553 | WOODWORKING MACHINERY | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3554 | 3554 | PAPER INDUSTRIES MACHINERY | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3554 | 3554 | PAPER INDUSTRIES MACHINERY | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3555 | 3069 | PRINTING TRADES MACHINERY | 428 | E | SM-SIZED GEN MOLDED, EXTR&FABR RUBBERPLT | 5 | 5 | 1 |
| 3555 | 3069 | PRINTING TRADES MACHINERY | 428 | F | MD-SIZED GEN MOLDED, EXTR&FABR RUBBERPLT | 6 | 6 | 2 |
| 3555 | 3069 | PRINTING TRADES MACHINERY | 428 | G | LG-SIZED GEN MOLDED, EXTR&FABR RUBBERPLT | 6 | 6 | 3 |
| 3555 | 3523 | PRINTING TRADES MACHINERY | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3555 | 3423 | PRINTING TRADES MACHINERY | 433 | A | METAL FINISHING | 1 | 9 | 4 |
| 3555 | 3555 | PRINTING TRADES MACHINERY | 433 | A | METAL FINISHING | 1 | 9 | 5 |
| 3555 | 3555 | PRINTING TRADES MACHINERY | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3559 | 3559 | SPECIAL INDUSTRY MACHINERY, NEC | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3559 | 3559 | SPECIAL INDUSTRY MACHINERY, NEC | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3561 | 3594 | PUMPS AND PUMPING EQUIPMENT | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3561 | 3561 | PUMPS AND PUMPING EQUIPMENT | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3561 | 3561 | PUMPS AND PUMPING EQUIPMENT | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3561 | 3594 | PUMPS AND PUMPING EQUIPMENT | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3562 | 3562 | BALL AND ROLLER BEARINGS | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3562 | 3562 | BALL AND ROLLER BEARINGS | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3563 | 3563 | AIR AND GAS COMPRESSORS | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3563 | 3563 | AIR AND GAS COMPRESSORS | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3564 | 3564 | BLOWER AND FANS | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3564 | 3564 | BLOWER AND FANS | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3565 | 3543 | INDUSTRIAL PATTERNS | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3565 | 3543 | INDUSTRIAL PATTERNS | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3566 | 3594 | SPEED CHANGERS, DRIVES AND GEARS | 433 | A | METAL FINISHING | 1 | 9 | 1 |
| 3566 | 3594 | SPEED CHANGERS, DRIVES AND GEARS | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3566 | 3566 | SPEED CHANGERS, DRIVES AND GEARS | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3566 | 3566 | SPEED CHANGERS, DRIVES AND GEARS | 433 | A | METAL FINISHING | 1 | 9 | 2 |
| 3567 | 3567 | INDUSTRIAL FURNACES AND OVENS | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3567 | 3567 | INDUSTRIAL FURNACES AND OVENS | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3568 | 3568 | POWER TRANSMISSION EQUIPMENT, NEC | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3568 | 3568 | POWER TRANSMISSION EQUIPMENT, NEC | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3569 | 3594 | GENERAL INDUSTRIAL MACHINERY, NEC | 433 | A | METAL FINISHING | 1 | 9 | 1 |
| 3569 | 3594 | GENERAL INDUSTRIAL MACHINERY, NEC | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3569 | 3565 | GENERAL INDUSTRIAL MACHINERY, NEC | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3569 | 3565 | GENERAL INDUSTRIAL MACHINERY, NEC | 433 | A | METAL FINISHING | 1 | 9 | 2 |
| 3569 | 3569 | GENERAL INDUSTRIAL MACHINERY, NEC | 433 | A | METAL FINISHING | 1 | 9 | 3 |
| 3569 | 3569 | GENERAL INDUSTRIAL MACHINERY, NEC | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3572 | 3579 | TYPEWRITERS | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3572 | 3579 | TYPEWRITERS | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3573 | 3571 | ELECTRONIC COMPUTING EQUIPMENT | 433 | A | METAL FINISHING | 1 | 9 | 1 |
| 3573 | 3571 | ELECTRONIC COMPUTING EQUIPMENT | | NR | NO ELECTROPLATING | 1 | 1 | 99 |

APPENDIX A
SIC Code Cross Reference
and Total and Human Health Toxicity Number

| 1977 SIC Code | 1987 SIC Code | 1987 Title | CFR Part | CFR Sub- Part | Sub-part title | Human Health Toxicity Number | Total Toxicity Number | Industry Subcat Number |
|---------------------|---------------------|--------------------------------------|-------------|---------------------|-------------------------------------|---------------------------------------|-----------------------------|------------------------------|
| 3573 | 3572 | ELECTRONIC COMPUTING EQUIPMENT | 433 | A | METAL FINISHING | 1 | 9 | 2 |
| 3573 | 3572 | ELECTRONIC COMPUTING EQUIPMENT | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3573 | 3575 | ELECTRONIC COMPUTING EQUIPMENT | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3573 | 3575 | ELECTRONIC COMPUTING EQUIPMENT | 433 | A | METAL FINISHING | 1 | 9 | 3 |
| 3573 | 3577 | ELECTRONIC COMPUTING EQUIPMENT | 433 | A | METAL FINISHING | 1 | 9 | 4 |
| 3573 | 3577 | ELECTRONIC COMPUTING EQUIPMENT | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3573 | 3695 | ELECTRONIC COMPUTING EQUIPMENT | 433 | A | METAL FINISHING | 1 | 9 | 5 |
| 3573 | 3695 | ELECTRONIC COMPUTING EQUIPMENT | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3574 | 3578 | CALCULATING AND ACCOUNTING MACHINES | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3574 | 3578 | CALCULATING AND ACCOUNTING MACHINES | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3576 | 3596 | SCALES AND BALANCES, EXC. LABORATORY | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3576 | 3596 | SCALES AND BALANCES, EXC. LABORATORY | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3579 | 3579 | OFFICE MACHINES, NEC | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3579 | 3579 | OFFICE MACHINES, NEC | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3581 | 3581 | AUTOMATIC MERCHANDISING MACHINES | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3581 | 3581 | AUTOMATIC MERCHANDISING MACHINES | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3582 | 3582 | COMMERCIAL LAUNDRY EQUIPMENT | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3582 | 3582 | COMMERCIAL LAUNDRY EQUIPMENT | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3585 | 3585 | REFRIGERATION AND HEATING EQUIPMENT | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3585 | 3585 | REFRIGERATION AND HEATING EQUIPMENT | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3586 | 3586 | MEASURING AND DISPENSING PUMPS | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3586 | 3586 | MEASURING AND DISPENSING PUMPS | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3589 | 3589 | SERVICE INDUSTRY MACHINERY, NEC | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3589 | 3589 | SERVICE INDUSTRY MACHINERY, NEC | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3592 | 3592 | CARBURETORS, PISTONS, RINGS, VALVES | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3592 | 3592 | CARBURETORS, PISTONS, RINGS, VALVES | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3599 | 3593 | MACHINERY, EXCEPT ELECTRICAL, NEC | 433 | A | METAL FINISHING | 1 | 9 | 1 |
| 3599 | 3593 | MACHINERY, EXCEPT ELECTRICAL | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3599 | 3599 | MACHINERY, EXCEPT ELECTRICAL | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3599 | 3599 | MACHINERY, EXCEPT ELECTRICAL | 433 | A | METAL FINISHING | 1 | 9 | 2 |
| 3612 | 3612 | TRANSFORMERS | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3612 | 3612 | TRANSFORMERS | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3612 | 3612 | TRANSFORMERS | | NR | DRY TRANSFORMERS | 8 | 8 | 99 |
| 3613 | 3625 | SWITCHGEAR AND SWITCHBOARD APPARATUS | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3613 | 3625 | SWITCHGEAR AND SWITCHBOARD APPARATUS | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3613 | 3613 | SWITCHGEAR AND SWITCHBOARD APPARATUS | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3613 | 3613 | SWITCHGEAR AND SWITCHBOARD APPARATUS | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3621 | 3621 | MOTORS AND GENERATORS | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3621 | 3621 | MOTORS AND GENERATORS | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3622 | 3625 | RELAYS AND INDUSTRIAL CONTROLS | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3622 | 3625 | RELAYS AND INDUSTRIAL CONTROLS | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3623 | 3548 | WELDING APPARATUS, ELECTRIC | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3623 | 3548 | WELDING APPARATUS | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3624 | 3624 | CARBON AND GRAPHITE PRODUCTS | | NR | CARBON & GRAPHITE PRODUCTS | 8 | 8 | 99 |
| 3629 | 3629 | ELECTRICAL INDUSTRIAL APPARATUS, NEC | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3629 | 3629 | ELECTRICAL INDUSTRIAL APPARATUS, NEC | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3629 | 3629 | ELECTRICAL INDUSTRIAL APPARATUS, NEC | | NR | FUEL CELLS | 8 | 8 | 99 |
| 3631 | 3631 | HOUSEHOLD COOKING EQUIPMENT | 433 | A | METAL FINISHING | 1 | 9 | 1 |
| 3631 | 3631 | HOUSEHOLD COOKING EQUIPMENT | | NR | NO ELECTROPLATING/PORCELAIN | 1 | 1 | 99 |
| 3631 | 3631 | HOUSEHOLD COOKING EQUIPMENT | 466 | A | STEEL BASIS MATERIAL (PORCELAIN) | 10 | 10 | 3 |
| 3631 | 3631 | HOUSEHOLD COOKING EQUIPMENT | 466 | C | ALUMINUM BASIS MATERIAL (PORCELAIN) | 10 | 10 | 2 |
| 3632 | 3632 | HOUSEHOLD REFRIGERATORS AND FREEZERS | 433 | A | METAL FINISHING | 1 | 9 | 1 |
| 3632 | 3632 | HOUSEHOLD REFRIGERATORS AND FREEZERS | | NR | NO ELECTROPLATING (PORCELAIN) | 1 | 1 | 99 |
| 3632 | 3632 | HOUSEHOLD REFRIGERATORS AND FREEZERS | 466 | A | STEEL BASIS MATERIAL (PORCELAIN) | 10 | 10 | 2 |

APPENDIX A
SIC Code Cross Reference
and Total and Human Health Toxicity Number

| 1972/ 1977 | 1987 | | CFR | CFR | | Human | Total | Industry |
|---------------|------|--|------|------|----------------------------------|--------|----------|----------|
| SIC | SIC | 1987 | CFR | Sub- | Sub-part title | Health | Toxicity | Subcat. |
| Code | Code | Title | Part | Part | | Number | Number | Number |
| 3633 | 3633 | HOUSEHOLD LAUNDRY EQUIPMENT | 433 | A | METAL FINISHING | 1 | 9 | 1 |
| 3633 | 3633 | HOUSEHOLD LAUNDRY EQUIPMENT | | NR | NO ELECTROPLATING/PORCELAIN | 1 | 1 | 99 |
| 3633 | 3633 | HOUSEHOLD LAUNDRY EQUIPMENT | 466 | A | STEEL BASIS MATERIAL (PORCELAIN) | 10 | 10 | 2 |
| 3634 | 3634 | ELECTRIC HOUSEWARES AND FANS | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3634 | 3634 | ELECTRIC HOUSEWARES AND FANS | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3635 | 3635 | HOUSEHOLD VACUUM CLEANERS | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3635 | 3635 | HOUSEHOLD VACUUM CLEANERS | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3636 | 3639 | SEWING MACHINES | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3636 | 3639 | SEWING MACHINES | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3636 | 3559 | SEWING MACHINES | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3636 | 3559 | SEWING MACHINES | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3639 | 3639 | HOUSEHOLD APPLIANCES, NEC | 433 | A | METAL FINISHING | 1 | 9 | 3 |
| 3639 | 3639 | HOUSEHOLD APPLIANCES, NEC | 466 | A | STEEL BASIS MATERIAL (PORCELAIN) | 10 | 10 | 1 |
| 3641 | 3641 | ELECTRIC LAMPS | 433 | A | METAL FINISHING | 1 | 9 | 2 |
| 3641 | 3641 | ELECTRIC LAMPS | 469 | D | LUMINESCENT MATERIALS | 1 | 1 | 1 |
| 3643 | 3643 | CURRENT-CARRYING WIRING DEVICES | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3643 | 3643 | CURRENT-CARRYING WIRING DEVICES | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3643 | 3643 | CURRENT-CARRYING WIRING DEVICES | | NR | | 1 | 1 | 99 |
| 3644 | 3644 | NONCURRENT-CARRYING WIRING DEVICES | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3644 | 3644 | NONCURRENT-CARRYING WIRING DEVICES | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3645 | 3645 | RESIDENTIAL LIGHTING FIXTURES | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3645 | 3645 | RESIDENTIAL LIGHTING FIXTURES | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3646 | 3646 | COMMERCIAL LIGHTING FIXTURES | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3646 | 3646 | COMMERCIAL LIGHTING FIXTURES | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3647 | 3647 | VEHICULAR LIGHTING EQUIPMENT | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3647 | 3647 | VEHICULAR LIGHTING EQUIPMENT | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3648 | 3648 | LIGHTING EQUIPMENT, NEC | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3648 | 3648 | LIGHTING EQUIPMENT, NEC | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3651 | 3651 | RADIO AND TV RECEIVING SETS | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3651 | 3651 | RADIO AND TV RECEIVING SETS | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3652 | 3652 | PHONOGRAPH RECORDS | | NR | | 1 | 1 | 99 |
| 3661 | 3575 | TELEPHONE AND TELEGRAPH APPARATUS | | NR | | 1 | 1 | 99 |
| 3661 | 3661 | TELEPHONE AND TELEGRAPH APPARATUS | | NR | | 1 | 1 | 99 |
| 3662 | 3663 | RADIO AND TV COMMUNICATION EQUIPMENT | | NR | | 1 | 1 | 99 |
| 3662 | 3812 | RADIO AND TV COMMUNICATION EQUIPMENT | | NR | | 1 | 1 | 99 |
| 3662 | 3669 | RADIO AND TV COMMUNICATION EQUIPMENT | | NR | | 1 | 1 | 99 |
| 3662 | 3829 | RADIO AND TV COMMUNICATION EQUIPMENT | | NR | | 1 | 1 | 99 |
| 3662 | 3699 | RADIO AND TV COMMUNICATION EQUIPMENT | | NR | | 1 | 1 | 99 |
| 3672 | 3671 | ELECTRON TUBES | 469 | C | CATHODE RAY TUBE | 8 | 8 | 0 |
| 3674 | 3674 | SEMICONDUCTORS AND RELATED DEVICES | 469 | A | SEMI-CONDUCTORS | 9 | 10 | 0 |
| 3675 | 3675 | ELECTRONIC CAPACITORS | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3676 | 3676 | RESISTORS FOR ELECTRONIC APPLICATIONS | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3676 | 3676 | RESISTORS FOR ELECTRONIC APPLICATIONS | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3677 | 3677 | ELECTRONIC COILS, TRANSFORMERS & OTHER I | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3677 | 3677 | ELECTRONIC COILS, TRANSFORMERS & OTHER I | | NR | DRY TRANSFORMERS | 8 | 8 | 99 |
| 3678 | 3678 | CONNECTORS FOR ELECTRONIC APPLICATIONS | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3678 | 3678 | CONNECTORS FOR ELECTRONIC APPLICATIONS | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3679 | 3672 | ELECTRONIC COMPONENTS, NEC | 413 | H | PRINTED CIRCUIT BOARDS | 1 | 9 | 1 |
| 3679 | 3264 | ELECTRONIC COMPONENTS, NEC | | NR | | 1 | 1 | 99 |
| 3679 | 3679 | ELECTRONIC COMPONENTS, NEC | 469 | B | ELECTRONIC CRYSTALS | 1 | 5 | 2 |
| 3679 | 3671 | ELECTRONIC COMPONENTS, NEC | | NR | | 1 | 1 | 99 |
| 3679 | 3695 | ELECTRONIC COMPONENTS, NEC | | NR | | 1 | 1 | 99 |
| 3679 | 3679 | ELECTRONIC COMPONENTS, NEC | | NR | | 1 | 1 | 99 |
| 3679 | 3625 | ELECTRONIC COMPONENTS, NEC | | NR | | 1 | 1 | 99 |

APPENDIX A
SIC Code Cross Reference
and Total and Human Health Toxicity Number

| 1972/ 1977 SIC Code | 1987 SIC Code | 1987 Title | CFR Part | CFR Sub- Part | Sub-part title | Human Health Toxicity Number | Total Toxicity Number | Industry Subcat Number |
|------------------------------|---------------------|--|-------------|---------------------|-----------------------------|---------------------------------------|-----------------------------|------------------------------|
| 3691 | 3691 | STORAGE BATTERIES | 461 | A | CADMIUM BATTERIES | 5 | 10 | 14 |
| 3691 | 3691 | STORAGE BATTERIES | 461 | B | CALCIUM BATTERIES | 5 | 5 | 1 |
| 3691 | 3691 | STORAGE BATTERIES | 461 | C | LEAD BATTERIES | 2 | 9 | 5 |
| 3691 | 3691 | STORAGE BATTERIES | 461 | D | LECLANCHE BATTERIES | 5 | 5 | 17 |
| 3691 | 3691 | STORAGE BATTERIES | 461 | E | LITHIUM BATTERIES | 5 | 5 | 7 |
| 3691 | 3691 | STORAGE BATTERIES | 461 | O | MERCURY (WESTON) CELLS | 5 | 5 | 11 |
| 3691 | 3691 | STORAGE BATTERIES | 461 | G | ZINC BATTERIES | 10 | 10 | 4 |
| 3691 | 3691 | STORAGE BATTERIES | 461 | O | MERCURY (RUBEN) BATTERIES | 5 | 5 | 10 |
| 3691 | 3691 | STORAGE BATTERIES | 461 | O | LEAD ACID RESERVE BATTERIES | 5 | 5 | 6 |
| 3691 | 3691 | STORAGE BATTERIES | 461 | F | MAGNESIUM BATTERIES | 5 | 5 | 9 |
| 3692 | 3692 | PRIMARY BATTERIES, DRY & WET | 461 | A | CADMIUM BATTERIES | 5 | 10 | 14 |
| 3692 | 3692 | PRIMARY BATTERIES, DRY & WET | 461 | B | CALCIUM BATTERIES | 5 | 5 | 1 |
| 3692 | 3692 | PRIMARY BATTERIES, DRY & WET | 461 | C | LEAD BATTERIES | 2 | 9 | 5 |
| 3692 | 3692 | PRIMARY BATTERIES, DRY & WET | 461 | E | LITHIUM BATTERIES | 5 | 5 | 7 |
| 3692 | 3692 | PRIMARY BATTERIES, DRY & WET | 461 | F | MAGNESIUM BATTERIES | 5 | 5 | 9 |
| 3692 | 3692 | PRIMARY BATTERIES, DRY & WET | 461 | O | MERCURY (RUBEN) BATTERIES | 5 | 5 | 10 |
| 3692 | 3692 | PRIMARY BATTERIES, DRY & WET | 461 | O | MERCURY (WESTON) CELLS | 5 | 5 | 11 |
| 3692 | 3692 | PRIMARY BATTERIES, DRY & WET | 461 | O | LEAD ACID RESERVE BATTERIES | 3 | 3 | 6 |
| 3692 | 3692 | PRIMARY BATTERIES, DRY & WET | 461 | G | ZINC BATTERIES | 10 | 10 | 4 |
| 3693 | 3845 | ELECTROMEDICAL EQUIPMENT | 469 | C | ELECTRON TUBES | 8 | 8 | 1 |
| 3693 | 3844 | X-RAY APPARATUS AND TUBES | 469 | C | ELECTRON TUBES | 8 | 8 | 2 |
| 3694 | 3694 | ELECTRICAL EQUIP FOR INTERNAL COMBUSTION | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3694 | 3694 | ELECTRICAL EQUIP FOR INTERNAL COMBUSTION | 433 | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3699 | 3641 | ELECTRICAL MACHINERY, EQUIPMENT & SUPPLI | 433 | A | METAL FINISHING | 1 | 9 | 1 |
| 3699 | 3585 | ELECTRICAL MACHINERY, EQUIPMENT & SUPPLI | 433 | A | METAL FINISHING | 1 | 9 | 2 |
| 3699 | 3699 | ELECTRICAL MACHINERY, EQUIPMENT & SUPPLI | 433 | A | METAL FINISHING | 1 | 9 | 3 |
| 3711 | 3711 | MOTOR VEHICLES & PASSENGER CAR BODIES | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3711 | 3711 | MOTOR VEHICLES & PASSENGER CAR BODIES | 433 | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3713 | 3713 | TRUCK & BUS BODIES | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3713 | 3713 | TRUCK & BUS BODIES | 433 | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3714 | 3714 | MOTOR VEHICLE PARTS & ACCESSORIES | 433 | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3714 | 3714 | MOTOR VEHICLE PARTS & ACCESSORIES | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3715 | 3715 | TRUCK TRAILERS | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3715 | 3715 | TRUCK TRAILERS | 433 | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3721 | 3721 | AIRCRAFT | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3721 | 3721 | AIRCRAFT | 433 | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3724 | 3724 | AIRCRAFT ENGINES & ENGINE PARTS | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3724 | 3724 | AIRCRAFT ENGINES & ENGINE PARTS | 433 | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3728 | 3492 | AIRCRAFT EQUIPMENT, NEC | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3728 | 3593 | AIRCRAFT EQUIPMENT, NEC | 433 | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3728 | 3594 | AIRCRAFT EQUIPMENT, NEC | 433 | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3728 | 3594 | AIRCRAFT EQUIPMENT, NEC | 433 | A | METAL FINISHING | 1 | 9 | 1 |
| 3728 | 3593 | AIRCRAFT EQUIPMENT, NEC | 433 | A | METAL FINISHING | 1 | 9 | 2 |
| 3728 | 3492 | AIRCRAFT EQUIPMENT, NEC | 433 | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3728 | 3728 | AIRCRAFT EQUIPMENT, NEC | 433 | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3728 | 3728 | AIRCRAFT EQUIPMENT, NEC | 433 | A | METAL FINISHING | 1 | 9 | 3 |
| 3731 | 3731 | SHIP BUILDING AND REPAIRING | 470 | 1 | SHIP BUILDING & REPAIRING | 6 | 6 | 0 |
| 3732 | 3732 | BOAT BUILDING AND REPAIRING | 470 | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3732 | 3732 | BOAT BUILDING AND REPAIRING | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3743 | 3743 | RAILROAD EQUIPMENT | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3743 | 3743 | RAILROAD EQUIPMENT | 433 | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3751 | 3751 | MOTORCYCLES, BICYCLES AND PARTS | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3751 | 3751 | MOTORCYCLES, BICYCLES AND PARTS | 433 | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3761 | 3761 | GUIDED MISSILES AND SPACE VEHICLES | 433 | A | METAL FINISHING | 1 | 9 | 0 |

APPENDIX A
SIC Code Cross Reference
and Total and Human Health Toxicity Number

| 1972/ 1977 | 1987 | | CFR | | | Human | Total | Industry |
|---------------|------|--|------|------|-----------------------------------|--------|----------|----------|
| SIC | SIC | 1987 | CFR | Sub- | Sub-part title | Health | Toxicity | Subcat |
| Code | Code | Title | Part | Part | | Number | Number | Number |
| 3761 | 3761 | GUIDED MISSILES AND SPACE VEHICLES | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3764 | 3764 | SPACE PROPULSION UNITS AND PARTS | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3764 | 3764 | SPACE PROPULSION UNITS AND PARTS | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3769 | 3769 | SPACE VEHICLE EQUIPMENT, NEC | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3769 | 3769 | SPACE VEHICLE EQUIPMENT, NEC | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3792 | 3792 | TRAVEL TRAILERS AND CAMPERS | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3792 | 3792 | TRAVEL TRAILERS AND CAMPERS | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3795 | 3795 | TANKS AND TANK COMPONENTS | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3795 | 3795 | TANKS AND TANK COMPONENTS | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3799 | 3799 | TRANSPORTATION EQUIPMENT, NEC | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3799 | 3799 | TRANSPORTATION EQUIPMENT, NEC | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3811 | 3812 | ENGINEERING AND SCIENTIFIC INSTRUMENTS | 433 | A | METAL FINISHING | 1 | 9 | 1 |
| 3811 | 3812 | ENGINEERING AND SCIENTIFIC INSTRUMENTS | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3811 | 3821 | ENGINEERING AND SCIENTIFIC INSTRUMENTS | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3811 | 3821 | ENGINEERING AND SCIENTIFIC INSTRUMENTS | 433 | A | METAL FINISHING | 1 | 9 | 2 |
| 3811 | 3826 | ENGINEERING AND SCIENTIFIC INSTRUMENTS | 433 | A | METAL FINISHING | 1 | 9 | 3 |
| 3811 | 3826 | ENGINEERING AND SCIENTIFIC INSTRUMENTS | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3811 | 3829 | ENGINEERING AND SCIENTIFIC INSTRUMENTS | 433 | A | METAL FINISHING | 1 | 9 | 4 |
| 3811 | 3829 | ENGINEERING AND SCIENTIFIC INSTRUMENTS | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3811 | 3826 | ENGINEERING AND SCIENTIFIC INSTRUMENTS | 433 | A | METAL FINISHING | 1 | 9 | 5 |
| 3811 | 3827 | ENGINEERING AND SCIENTIFIC INSTRUMENTS | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3811 | 3827 | ENGINEERING AND SCIENTIFIC INSTRUMENTS | 433 | A | METAL FINISHING | 1 | 9 | 6 |
| 3822 | 3822 | ENVIRONMENTAL CONTROLS | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3822 | 3822 | ENVIRONMENTAL CONTROLS | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3823 | 3823 | PROCESS CONTROL INSTRUMENTS | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3823 | 3823 | PROCESS CONTROL INSTRUMENTS | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3824 | 3824 | FLUID METERS AND COUNTING DEVICES | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3824 | 3824 | FLUID METERS AND COUNTING DEVICES | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3825 | 3825 | INSTRUMENTS TO MEASURE ELECTRICITY | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3825 | 3825 | INSTRUMENTS TO MEASURE ELECTRICITY | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3829 | 3829 | MEASURING & CONTROLLING DEVICES, NEC | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3829 | 3829 | MEASURING & CONTROLLING DEVICES, NEC | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3832 | 3826 | OPTICAL INSTRUMENTS AND LENSES | 433 | A | METAL FINISHING | 1 | 9 | 1 |
| 3832 | 3826 | OPTICAL INSTRUMENTS AND LENSES | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3832 | 3829 | OPTICAL INSTRUMENTS AND LENSES | 433 | A | METAL FINISHING | 1 | 9 | 2 |
| 3832 | 3829 | OPTICAL INSTRUMENTS AND LENSES | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3832 | 3827 | OPTICAL INSTRUMENTS AND LENSES | 433 | A | METAL FINISHING | 1 | 9 | 3 |
| 3832 | 3827 | OPTICAL INSTRUMENTS AND LENSES | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3841 | 3841 | SURGICAL AND MEDICAL INSTRUMENTS | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3841 | 3841 | SURGICAL AND MEDICAL INSTRUMENTS | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3842 | 3842 | SURGICAL APPLIANCES AND SUPPLIES | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3842 | 3842 | SURGICAL APPLIANCES AND SUPPLIES | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3843 | 3843 | DENTAL EQUIPMENT AND SUPPLIES | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3843 | 3843 | DENTAL EQUIPMENT AND SUPPLIES | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3851 | 3851 | OPHTHALMIC GOODS | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3851 | 3851 | OPHTHALMIC GOODS | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3861 | 3861 | PHOTOGRAPHIC EQUIPMENT AND SUPPLIES | 459 | 3 | DIAZO, SOLVENT PROCESS | 8 | 8 | 1 |
| 3861 | 3861 | PHOTOGRAPHIC EQUIPMENT AND SUPPLIES | 459 | 4 | PHOTOGRAPHIC EQUIPMENT & SUPPLIES | 8 | 8 | 2 |
| 3861 | 3861 | PHOTOGRAPHIC EQUIPMENT AND SUPPLIES | 459 | 5 | THERMAL, SOLVENT PROCESS | 8 | 8 | 3 |
| 3873 | 3873 | WATCHES, CLOCKS AND WATCHCASES | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3873 | 3873 | WATCHES, CLOCKS AND WATCHCASES | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3911 | 3911 | JEWELRY, PRECIOUS METAL | 433 | A | METAL FINISHING | 1 | 9 | 2 |
| 3911 | 3911 | JEWELRY, PRECIOUS METAL | 471 | D | PRECIOUS METAL FORMING | 1 | 10 | 1 |
| 3914 | 3914 | SILVERWARE AND PLATED WARE | 433 | A | METAL FINISHING | 1 | 9 | 0 |

APPENDIX A
SIC Code Cross Reference
and Total and Human Health Toxicity Number

| 1977 SIC Code | 1987 SIC Code | 1987 Title | CFR Part | CFR Sub- Part | Sub-part title | Human Health Toxicity Number | Total Toxicity Number | Industry Subcat Number |
|---------------------|---------------------|--------------------------------------|-------------|---------------------|---|---------------------------------------|-----------------------------|------------------------------|
| 3914 | 3914 | SILVERWARE AND PLATED WARE | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3915 | 3915 | JEWELERS' MATERIALS & LAPIDARY WORK | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3915 | 3915 | JEWELERS' MATERIALS & LAPIDARY WORK | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3931 | 3931 | MUSICAL INSTRUMENTS | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3931 | 3931 | MUSICAL INSTRUMENTS | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3942 | 3942 | DOLLS | | NR | | 1 | 1 | 99 |
| 3944 | 3944 | GAMES, TOYS AND CHILDREN'S VEHICLES | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3944 | 3944 | GAMES, TOYS AND CHILDREN'S VEHICLES | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3949 | 3949 | SPORTING AND ATHLETIC GOODS, NEC | 433 | A | METAL FINISHING | 1 | 9 | 1 |
| 3949 | 3949 | SPORTING AND ATHLETIC GOODS, NEC | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3949 | 3949 | SPORTING AND ATHLETIC GOODS, NEC | 433 | A | METAL FINISHING | 1 | 1 | 2 |
| 3951 | 3951 | PENS AND MECHANICAL PENCILS | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3951 | 3951 | PENS AND MECHANICAL PENCILS | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3952 | 3952 | LEAD PENCILS AND ART GOODS | | NR | | 1 | 1 | 99 |
| 3953 | 3953 | MARKING DEVICES | | NR | | 1 | 1 | 99 |
| 3955 | 3955 | CARBON PAPER AND INKED RIBBONS | | NR | | 1 | 1 | 99 |
| 3961 | 3961 | COSTUME JEWELRY | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3961 | 3961 | COSTUME JEWELRY | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3962 | 3999 | ARTIFICIAL FLOWERS | | NR | | 1 | 1 | 99 |
| 3964 | 3965 | NEEDLES, PINS AND FASTENERS | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3964 | 3965 | NEEDLES, PINS AND FASTENERS | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3991 | 3991 | BROOMS AND BRUSHES | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3991 | 3991 | BROOMS AND BRUSHES | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3993 | 3993 | SIGNS AND ADVERTISING DISPLAYS | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3993 | 3993 | SIGNS AND ADVERTISING DISPLAYS | | NR | | 1 | 1 | 99 |
| 3993 | 3993 | SIGNS AND ADVERTISING DISPLAYS | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3995 | 3995 | BURIAL CASKETS | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 3995 | 3995 | BURIAL CASKETS | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3996 | 3996 | HARD SURFACE FLOOR COVERINGS | | NR | | 1 | 1 | 99 |
| 3996 | 3996 | HARD SURFACE FLOOR COVERINGS | 443 | D | LINOLEUM & PRINTED ASPHALT FELT | 1 | 1 | 0 |
| 3999 | 3999 | MANUFACTURING INDUSTRIES, NEC | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 3999 | 3999 | MANUFACTURING INDUSTRIES, NEC | | NR | | 1 | 1 | 99 |
| 4172 | 4173 | BUS TERMINAL AND SERVICE FACILITIES | | NR | | 1 | 1 | 99 |
| 4226 | 4226 | SPECIAL WAREHOUSING & STORAGE, NEC | | NR | | 1 | 1 | 99 |
| 4231 | 4231 | TRUCKING TERMINAL FACILITIES | | | | 5 | 5 | 0 |
| 4469 | 4493 | WATER TRANSPORTATION SERVICES, NEC | | | | 5 | 5 | 1 |
| 4469 | 4959 | WATER TRANSPORTATION SERVICES, NEC | | | | 5 | 5 | 2 |
| 4469 | 4499 | WATER TRANSPORTATION SERVICES, NEC | | | | 5 | 5 | 3 |
| 4612 | 4612 | CRUDE PETROLEUM PIPELINES | | NR | | 8 | 8 | 0 |
| 4911 | 4911 | ELECTRICAL SERVICES | 423 | A | HYDRO ELECTRIC PWR GEN.(W/ SAN. WST.) | 6 | 6 | 1 |
| 4911 | 4911 | ELECTRICAL SERVICES | 423 | A | STEAM ELECTRIC POWER GENERATING | 6 | 6 | 2 |
| 4931 | 4931 | ELECTRIC AND OTHER SERVICES COMBINED | 423 | A | HYDRO ELECTRIC PWR. GEN. (W/ SAN. WST.) | 6 | 6 | 1 |
| 4931 | 4931 | ELECTRIC AND OTHER SERVICES COMBINED | 423 | A | STEAM ELECTRIC POWER GENERATING | 6 | 6 | 2 |
| 4941 | 4941 | WATER SUPPLY | | | | 7 | 7 | 0 |
| 4952 | 4952 | SEWERAGE SYSTEMS | | | | 1 | 1 | 0 |
| 4953 | 4953 | REFUSE SYSTEMS | | | SOLID WASTE FACILITIES | 7 | 7 | 1 |
| 4953 | 4953 | REFUSE SYSTEMS | | | HAZARDOUS WASTE TREATMENT FACILITIES | 10 | 10 | 2 |
| 4959 | 4959 | SANITARY SERVICES, NEC | | | | 1 | 1 | 0 |
| 4961 | 4961 | STEAM SUPPLY | | | | 1 | 1 | 0 |
| 5052 | 5052 | COAL & OTHER MINERALS & ORES | | | | 8 | 8 | 0 |
| 5093 | 5093 | SCRAP & WASTE MATERIALS | | | | 10 | 10 | 0 |
| 5143 | 5143 | DAIRY PRODUCTS | 405 | A | RECEIVING STATIONS | 1 | 1 | 0 |
| 5161 | 5169 | CHEMICALS AND ALLIED PRODUCTS | | | | 10 | 10 | 0 |
| 5171 | 5171 | PETROLEUM BULK STATIONS & TERMINALS | | | | 8 | 8 | 0 |

APPENDIX A
SIC Code Cross Reference
and Total and Human Health Toxicity Number

| 1972/ 1977 | 1987 | | CFR | | | Human Health Toxicity Number | Total Toxicity Number | Industry Subcat Number |
|---------------|-------------|--|-------------|--------------|--------------------------------------|---------------------------------------|-----------------------------|------------------------------|
| SIC Code | SIC Code | 1987 Title | CFR Part | Sub- Part | Sub-part title | | | |
| 5191 | 5191 | FARM SUPPLIES | | | | 6 | 6 | 0 |
| 5423 | 5421 | MEAT AND FISH (SEAFOOD) MARKETS | 432 | E | SMALL PROCESSOR | 1 | 1 | 1 |
| 5423 | 5421 | MEAT AND FISH (SEAFOOD) MARKETS | 432 | F | MEAT CUTTER | 1 | 1 | 2 |
| 5423 | 5421 | MEAT AND FISH (SEAFOOD) MARKETS | 432 | G | SAUSAGE AND LUNCHEON MEATS PROCESSOR | 1 | 1 | 3 |
| 5423 | 5421 | MEAT AND FISH (SEAFOOD) MARKETS | | NR | OTHER MARKETS WITHOUT PROCESSING | 1 | 1 | 99 |
| 7211 | 7211 | POWER LAUNDRIES, FAMILY AND COMMERCIAL | 444 | 3 | POWER LAUNDRIES | 3 | 3 | 0 |
| 7213 | 7213 | LINEN SUPPLY | 444 | 9 | LINEN SUPPLY | 6 | 6 | 0 |
| 7214 | 7219 | DIAPER SERVICE | 444 | 5 | DIAPER SERVICE | 3 | 3 | 0 |
| 7215 | 7215 | COIN-OPERATED LAUNDRIES & DRY CLEANING | 444 | 1 | COIN-OPERATED LAUNDRIES | 3 | 3 | 0 |
| 7216 | 7216 | DRY CLEANING PLANTS, EXCEPT RUG CLEANING | 444 | 2 | DRY CLEANING PLANTS | 3 | 3 | 0 |
| 7217 | 7217 | CARPET & UPHOLSTERY CLEANING | 444 | 4 | CARPET & UPHOLSTERY CLEANING | 3 | 3 | 0 |
| 7218 | 7218 | INDUSTRIAL LAUNDERERS | 444 | 8 | INDUSTRIAL LAUNDRY | 6 | 6 | 0 |
| 7219 | 7219 | LAUNDRY, GARMENT SERVICES, NEC | 444 | 6 | LAUNDRY, GARMENT SERVICES NEC | 1 | 1 | 0 |
| 7342 | 7342 | DISINFECTING & EXTERMINATING SERV. | | | | 10 | 10 | 0 |
| 7391 | 8731 | RESEARCH & DEVELOPMENT LABORATORIES | | NR | | 1 | 1 | 99 |
| 7395 | 7384 | PHOTOFINISHING LABORATORIES | 459 | A | PHOTOGRAPHIC PROCESSING | 1 | 1 | 0 |
| 7397 | 8734 | COMMERCIAL TESTING LABORATORIES | | | | 1 | 1 | 0 |
| 7542 | 7542 | CAR WASHES | 444 | 7 | CAR WASH | 3 | 3 | 0 |
| 7699 | 7699 | REPAIR SHOPS, NEC | 433 | A | METAL FINISHING | 1 | 9 | 0 |
| 7699 | 7699 | REPAIR SHOPS, NEC | | NR | NO ELECTROPLATING | 1 | 1 | 99 |
| 7819 | 7819 | SERV. ALLIED TO MOTION PICTURE PROD. | 459 | A | PHOTOGRAPHIC PROCESSING | 1 | 1 | 0 |
| 8062 | 8062 | GEN. MEDICAL/SURGICAL HOSPITALS | | | | 10 | 10 | 0 |
| 8069 | 8069 | SPECIALTY HOSPITALS | | | | 10 | 10 | 0 |
| 8071 | 8071 | MEDICAL LABORATORIES | | | | 10 | 10 | 0 |
| 8922 | 8733 | NONCOMMERCIAL RESEARCH ORGANIZATIONS | | | | 7 | 7 | 0 |

APPENDIX B

ESTUARIES ENROLLED IN THE NATIONAL ESTUARY PROTECTION PROGRAM

| | <u>ESTUARY</u> | <u>STATE</u> |
|-----|--|--|
| 1. | San Francisco Bay/Delta | California |
| 2. | Santa Monica Bay | California |
| 3. | Albemarle | North Carolina |
| 4. | Pamlico | North Carolina |
| 5. | Puget Sound | Washington |
| 6. | Buzzards Bay | Massachusetts |
| 7. | Narragansett Bay | Rhode Island |
| 8. | Long Island Sound | Connecticut and New York |
| 9. | New York/New Jersey Harbor | New Jersey and New York |
| 10. | Delaware Bay | Pennsylvania, New Jersey, and Delaware |
| 11. | Delaware Inland Bays | Delaware |
| 12. | Sarasota Bay | Florida |
| 13. | Galveston Bay | Texas |
| 14. | CASCO | Maine |
| 15. | Massachusetts Bays | Massachusetts |
| 16. | Indian River Lagoon | Florida |
| 17. | Tampa Bay | Florida |
| 18. | Barataria-Terrebonne Estuarine Complex | Louisiana |

APPENDIX C
GREAT LAKES AREAS OF CONCERN

| Lake Basin | Jurisdiction | Cause of Problem | |
|--|--------------------|-------------------------|---------------------------------|
| | | Conventional Pollutants | Heavy Metals/ Toxic Organics |
| <u>Lake Superior</u> | | | |
| St. Louis River | Minnesota | X | X |
| Torch Lake | Michigan | X | X |
| Deer Lake-Carp Creek-Carp River | Michigan | | X |
| <u>Lake Michigan</u> | | | |
| Manistique | Michigan | | X |
| Menominee River | Michigan/Wisconsin | | X |
| Fox River/Southern Green Bay | Wisconsin | X | X |
| Sheboygan | Wisconsin | | X |
| Milwaukee Estuary | Wisconsin | X | X |
| Waukegan Harbor | Illinois | | X |
| Grand Calumet River/ Indiana Harbor Canal | Indiana | X | X |
| Kalamazoo Lake | Michigan | | X |
| Muskegon Lake | Michigan | | |
| White Lake | Michigan | | X |
| <u>Lake Huron</u> | | | |
| Saginaw River/ Saginaw Bay | Michigan | | X |
| <u>Lake Erie</u> | | | |
| Clinton River | Michigan | X | X |
| Rouge River | Michigan | X | X |
| Raisin River | Ohio | X | X |
| Maumee River | Ohio | X | X |
| Black River | Ohio | X | X |
| Cuyahoga River | Ohio | X | X |
| Ashtabula River | Ohio | X | X |
| <u>Lake Ontario</u> | | | |
| Buffalo River | New York | X | X |
| Eighteen Mile Creek | New York | X | X |
| Rochester Embayment | New York | X | X |
| Oswego River | New York | X | X |
| <u>Connecting Channels</u> | | | |
| St. Marys River | Michigan | X | X |
| St. Clair River | Michigan | X | X |
| Detroit River | Michigan | X | X |
| Niagra River | New York | X | X |
| St. Lawrence River | New York | X | X |

APPENDIX D

Coal Facility Discretionary Major Weighting Factor Guideline

| | | |
|---------------------------|-------------|--|
| Tonnage: | 4 Points | $\geq 1,500,000$ t/y coal mined or processed |
| | 2 Points | $\geq 500,000$ t/y and $< 1,500,000$ t/y coal mined or processed |
| | 0 Points | $< 500,000$ t/y coal mined or processed |
| Coal Origin: | 5 Points | Acidic seam |
| | 0 Points | Non-acidic seam |
| Discharge Rate (Average): | 5 Points | $\leq 1,500$ GPM (2.2 MGD) |
| | 3 Points | $< 1,500$ GPM and ≥ 500 GPM |
| | 1 Point | < 500 GPM |
| Receiving Stream: | 5 Points | Trout (coldwater fishery) stream |
| | 3 Points | Other high quality stream |
| | 0 Points | Other streams |
| Discretion: | 0-10 Points | Sensitive watersheds, public w.s. intakes, public comment, past chronic violator, potential environmental damage |

The above rating guide can be used to prioritize coal facilities for designation as discretionary majors. A rating of 15 points would appear to be a reasonable starting point for consideration as a discretionary major.



NPDES Permit Rating Work Sheet

- Regular Addition
- Discretionary Addition
- Score change, but no status change
- Deletion

NPDES No.:

Facility Name:

City:

Receiving Water:

Reach Number:

Is this facility a steam electric power plant (SIC=4911) with one or more of the following characteristics?

1. Power output 500 MW or greater (not using a cooling pond/lake)
2. A nuclear power plant
3. Cooling water discharge greater than 25% of the receiving stream's 7Q10 flow rate

YES; score is 600 (stop here) NO (continue)

Is this permit for a municipal separate storm sewer serving a population greater than 100,000?

YES; score is 700 (stop here)
 NO (continue)

FACTOR 1: Toxic Pollutant Potential

PCS SIC Code: Primary SIC Code:

Other SIC Codes:

Industrial Subcategory Code: (Code 000 if no subcategory)

Determine the Toxicity potential from Appendix A. Be sure to use the TOTAL toxicity potential column and check one)

| Toxicity Group | Code | Points | Toxicity Group | Code | Points | Toxicity Group | Code | Points |
|---|------|--------|-----------------------------|------|--------|------------------------------|------|--------|
| <input type="checkbox"/> No process waste streams | 0 | 0 | <input type="checkbox"/> 3. | 3 | 15 | <input type="checkbox"/> 7. | 7 | 35 |
| <input type="checkbox"/> 1. | 1 | 5 | <input type="checkbox"/> 4. | 4 | 20 | <input type="checkbox"/> 8. | 8 | 40 |
| <input type="checkbox"/> 2. | 2 | 10 | <input type="checkbox"/> 5. | 5 | 25 | <input type="checkbox"/> 9. | 9 | 45 |
| | | | <input type="checkbox"/> 6. | 6 | 30 | <input type="checkbox"/> 10. | 10 | 50 |

Code Number Checked:

Total Points Factor 1:

FACTOR 2: Flow/Stream Flow Volume *(Complete either Section A or Section B; check only one)*

Section A—Wastewater Flow Only Considered

| Wastewater Type (See Instructions) | Code | Points |
|---------------------------------------|-----------------------------|--------|
| Type I: Flow < 5 MGD | <input type="checkbox"/> 11 | 0 |
| Flow 5 to 10 MGD | <input type="checkbox"/> 12 | 10 |
| Flow >10 to 50 MGD | <input type="checkbox"/> 13 | 20 |
| Flow > 50 MGD | <input type="checkbox"/> 14 | 30 |
| Type II: Flow <1 MGD | <input type="checkbox"/> 21 | 10 |
| Flow 1 to 5 MGD | <input type="checkbox"/> 22 | 20 |
| Flow >5 to 10 MGD | <input type="checkbox"/> 23 | 30 |
| Flow >10 MGD | <input type="checkbox"/> 24 | 50 |
| Type III: Flow <1 MGD | <input type="checkbox"/> 31 | 0 |
| Flow 1 to 5 MGD | <input type="checkbox"/> 32 | 10 |
| Flow >5 to 10 MGD | <input type="checkbox"/> 33 | 20 |
| Flow >10 MGD | <input type="checkbox"/> 34 | 30 |

Section B—Wastewater and Stream Flow Considered

| Wastewater Type (See Instructions) | Percent of Instream Wastewater Concentration at Receiving Stream Low Flow | Code | Points |
|---------------------------------------|---|-----------------------------|--------|
| TYPE VIII: | < 10% | <input type="checkbox"/> 41 | 0 |
| | ≥ 10% to <50% | <input type="checkbox"/> 42 | 10 |
| | ≥ 50% | <input type="checkbox"/> 43 | 20 |
| Type II: | < 10% | <input type="checkbox"/> 51 | 0 |
| | ≥ 10% to <50% | <input type="checkbox"/> 52 | 20 |
| | ≥ 50% | <input type="checkbox"/> 53 | 30 |

Code Checked from Section A or B:

Total Points Factor 2:

NPDES Permit Rating Work Sheet

FACTOR 5: Water Quality Factors

NPDES No.:

A. *Is (or will) one or more of the effluent discharge limits based on water quality factors of the receiving stream (rather than technology-based federal effluent guidelines, or technology-based state effluent guidelines); or has a wasteload allocation been assigned to the discharge?*

| | Code | Points |
|------------------------------|------|--------|
| <input type="checkbox"/> Yes | 1 | 10 |
| <input type="checkbox"/> No | 2 | 0 |

B. *Is the receiving water in compliance with applicable water quality standards for pollutants that are water quality limited in the permit?*

| | Code | Points |
|------------------------------|------|--------|
| <input type="checkbox"/> Yes | 1 | 0 |
| <input type="checkbox"/> No | 2 | 5 |

C. *Does the effluent discharged from this facility exhibit the reasonable potential to violate water quality standards due to whole effluent toxicity?*

| | Code | Points |
|------------------------------|------|--------|
| <input type="checkbox"/> Yes | 1 | 10 |
| <input type="checkbox"/> No | 2 | 0 |

Code Number Checked: A B C
 Points Factor 5: A + B + C = TOTAL

FACTOR 6: Proximity to Near Coastal Waters

A. *Base Score: Enter flow code here (from Factor 2):*

Enter the multiplication factor that corresponds to the flow code:

Check appropriate facility HPRI Code (from PCS):

| | HPRI # | Code | HPRI Score |
|--------------------------|--------|------|------------|
| <input type="checkbox"/> | 1 | 1 | 20 |
| <input type="checkbox"/> | 2 | 2 | 0 |
| <input type="checkbox"/> | 3 | 3 | 30 |
| <input type="checkbox"/> | 4 | 4 | 0 |
| <input type="checkbox"/> | 5 | 5 | 20 |

| Flow Code | Multiplication Factor |
|---------------|-----------------------|
| 11, 31, or 41 | 0.00 |
| 12, 32, or 42 | 0.05 |
| 13, 33, or 43 | 0.10 |
| 14 or 34 | 0.15 |
| 21 or 51 | 0.10 |
| 22 or 52 | 0.30 |
| 23 or 53 | 0.60 |
| 24 | 1.00 |

HPRI code checked:

Base Score: (HPRI Score) _____ x (Multiplication Factor) _____ = _____ (TOTAL POINTS)

B. **Additional Points — NEP Program**
For a facility that has an HPRI code of 3, does the facility discharge to one of the estuaries enrolled in the National Estuary Protection (NEP) program (see Instructions) or the Chesapeake Bay?

| | Code | Points |
|------------------------------|------|--------|
| <input type="checkbox"/> Yes | 1 | 10 |
| <input type="checkbox"/> No | 2 | 0 |

C. **Additional Points — Great Lakes Area of Concern**
For a facility that has an HPRI code of 5, does the facility discharge any of the pollutants of concern into one of the Great Lakes' 31 areas of concern (see Instructions)

| | Code | Points |
|------------------------------|------|--------|
| <input type="checkbox"/> Yes | 1 | 10 |
| <input type="checkbox"/> No | 2 | 0 |

Code Number Checked: A B C
 Points Factor 6: A + B + C = TOTAL

NPDES Permit Rating Work Sheet

SCORE SUMMARY

NPDES No.:

| Factor | Description | Total Points |
|-----------------------------|----------------------------------|--------------|
| 1 | Toxic Pollutant Potential | _____ |
| 2 | Flow/Streamflow Volume | _____ |
| 3 | Conventional Pollutants | _____ |
| 4 | Public Health Impacts | _____ |
| 5 | Water Quality Factors | _____ |
| 6 | Proximity to Near Coastal Waters | _____ |
| TOTAL (Factors 1 through 6) | | _____ |

51. Is the total score equal to or greater than 80? Yes (Facility is a major) No

52. If the answer to the above question is no, would you like this facility to be discretionary major?

- No
- Yes (Add 500 points to the above score and provide reason below:

Reason: _____

NEW SCORE: _____

OLD SCORE: _____

 Permit Reviewer's Name

(____) _____
 Phone Number

 Date