

Canadian Imports from the United States 2023 Product List - Products of the Chemical or Allied Industries

| HS Code                   | Product Category  | Total Value     | (CDN \$) | % of Total Canadian Imports | % of Total Imports from the US | % US Imports in Product Category |
|---------------------------|---|-----------------|----------|-----------------------------|--------------------------------|----------------------------------|
| Total Canadian Imports    |   | 754,136,843,000 |          | 100%                        |                                | 100.0%                           |
| Total Imports from the US |   | 373,685,991,000 |          | 50%                         | 100%                           | 100.0%                           |
| VI                        | Products of the Chemical or Allied Industries                                   | 35,744,000,000  |          | 5%                          | 10%                            | 48.6%                            |
| 29                        | Organic chemicals   | 4,342,000,000   |          | 0.5758%                     | 1.1619%                        | 38.9%                            |
| 2901                      | Acyclic hydrocarbons  | 844,558,908     |          | 0.1120%                     | 0.2260%                        | 97.6%                            |
| 290110                    | saturated acyclic hydrocarbons  | 426,060,863     |          | 0.0565%                     | 0.1140%                        |                                  |
| 290121                    | Ethylene  | 229,428         |          | 0.0000%                     | 0.0001%                        |                                  |
| 290122                    | Propene (propylene)   | 4,660,370       |          | 0.0006%                     | 0.0012%                        |                                  |
| 290123                    | Butene (butylene) and isomers thereof   | 257,221,832     |          | 0.0341%                     | 0.0688%                        |                                  |
| 290124                    | Buta-1,3-diene and isoprene   | 3,573,667       |          | 0.0005%                     | 0.0010%                        |                                  |
| 290129                    | Unsaturated acyclic hydrocarbons, nos   | 152,812,748     |          | 0.0203%                     | 0.0409%                        |                                  |
| 2902                      | Cyclic hydrocarbons   | 175,110,252     |          | 0.0232%                     | 0.0469%                        | 63.8%                            |
| 290211                    | Cyclohexane   | 3,223,096       |          | 0.0004%                     | 0.0009%                        |                                  |
| 290219                    | Cyclanos, cyclenos or cycloterpenos hydrocarbons, nos                           | 13,414,176      |          | 0.0018%                     | 0.0036%                        |                                  |
| 290220                    | Benzene   | 37,069,983      |          | 0.0049%                     | 0.0099%                        |                                  |
| 290230                    | Toluene   | 5,443,879       |          | 0.0007%                     | 0.0015%                        |                                  |
| 290241                    | O-xylene  | 44,290          |          | 0.0000%                     | 0.0000%                        |                                  |
| 290242                    | M-xylene  | 3,286           |          | 0.0000%                     | 0.0000%                        |                                  |
| 290243                    | P-xylene  | 46,431,402      |          | 0.0062%                     | 0.0124%                        |                                  |
| 290244                    | Mixed xylene isomers  | 57,510,406      |          | 0.0076%                     | 0.0154%                        |                                  |
| 290250                    | Styrene   | 4,489,306       |          | 0.0006%                     | 0.0012%                        |                                  |
| 290260                    | Ethylbenzene  | 1,540,227       |          | 0.0002%                     | 0.0004%                        |                                  |
| 290270                    | Cumene  | 267             |          | 0.0000%                     | 0.0000%                        |                                  |
| 290290                    | Cyclic hydrocarbons, nos  | 5,939,934       |          | 0.0008%                     | 0.0016%                        |                                  |
| 2903                      | Halogenated derivatives of hydrocarbons   | 488,565,063     |          | 0.0648%                     | 0.1307%                        | 84.3%                            |
| 290311                    | Chloromethane (methyl chloride) and chloroethane (ethyl chloride)               | 1,636,448       |          | 0.0002%                     | 0.0004%                        |                                  |
| 290312                    | Dichloromethane (methylene chloride)  | 4,194,188       |          | 0.0006%                     | 0.0011%                        |                                  |
| 290313                    | Chloroform (trichloromethane)   | 679,576         |          | 0.0001%                     | 0.0002%                        |                                  |
| 290314                    | Carbon tetrachloride  | 21,760          |          | 0.0000%                     | 0.0000%                        |                                  |
| 290315                    | Ethylene dichloride (ISO)(1,2-dichloroethane)                                   | 227,437         |          | 0.0000%                     | 0.0001%                        |                                  |
| 290319                    | Chlorinated derivatives of saturated acyclic hydrocarbons, nos                  | 2,770,286       |          | 0.0004%                     | 0.0007%                        |                                  |
| 290321                    | Vinyl chloride (chloroethylene)   | 312,512,822     |          | 0.0414%                     | 0.0836%                        |                                  |
| 290322                    | Trichloroethylene   | 199,495         |          | 0.0000%                     | 0.0001%                        |                                  |
| 290323                    | Tetrachloroethylene (perchloroethylene)   | 7,127,802       |          | 0.0009%                     | 0.0019%                        |                                  |
| 290329                    | Chlorinated derivatives of unsaturated acyclic hydrocarbons, nos                | 5,420,763       |          | 0.0007%                     | 0.0015%                        |                                  |
| 290341                    | Trichlorofluoromethane  | 142,080         |          | 0.0000%                     | 0.0000%                        |                                  |
| 290342                    | Dichlorodifluoromethane   | 19,312          |          | 0.0000%                     | 0.0000%                        |                                  |
| 290343                    | Trichlorotrifluoroethanos   | 6,484,720       |          | 0.0009%                     | 0.0017%                        |                                  |
| 290344                    | Dichlorotetrafluoroethanos and chloropentafluoroethanos                         | 1,552           |          | 0.0000%                     | 0.0000%                        |                                  |
| 290345                    | Other derivatives perhalogenated only with fluorine and chlorine                | 37,825,237      |          | 0.0050%                     | 0.0101%                        |                                  |
| 290346                    | Bromochlorodifluoromethane, bromotrifluoromethane & dibromotetrafluoroethane    | 343,747         |          | 0.0000%                     | 0.0001%                        |                                  |
| 290347                    | Halogenated derivatives of acyclic hydrocarbons containing fluorine, nos        | 1,075           |          | 0.0000%                     | 0.0000%                        |                                  |
| 290348                    | 1,1,1,3,3-Pentafluorobutane(HFC-365mfc) & 1,1,1,2,2,3,4,5,5,5-decafluoropentane | 19,031          |          | 0.0000%                     | 0.0000%                        |                                  |
| 290349                    | Other perhalogenated derivatives, nos   | 4,473,244       |          | 0.0006%                     | 0.0012%                        |                                  |
| 290351                    | 1,2,3,4,5,6-Hexachlorocyclohexane   | 48,864,041      |          | 0.0065%                     | 0.0131%                        |                                  |
| 290359                    | Halogenated derivs of cyclanic, cyclenic or cycloterpenic hydrocarbons, nos     | 719,665         |          | 0.0001%                     | 0.0002%                        |                                  |
| 290361                    | Chlorobenzene, o-dichlorobenzene and p-dichlorobenzene                          | 137,994         |          | 0.0000%                     | 0.0000%                        |                                  |
| 290362                    | Hexachlorobenzene & DDT(1,1,1-trichloro-2,2-bis(p-chlorophenyl)ethane)          | 300             |          | 0.0000%                     | 0.0000%                        |                                  |
| 290369                    | Halogenated derivatives of aromatic hydrocarbons, nos                           | 9,955,180       |          | 0.0013%                     | 0.0027%                        |                                  |

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| 290376  | Bromochlorodifluoromethane (Halon- 1211), bromotrifluoromethane (Halon-1301), etc | 3,157       |          | 0.0000%                     | 0.0000%                        |                                  |
| 290377  | Haloge deriv of acyclic hcarbons,nos,perhalogenated only w fluorine & chlorine    | 3,376       |          | 0.0000%                     | 0.0000%                        |                                  |
| 290378  | Other perhalogenated derivs of acyclic hcarbons cont two/more diff halogens,nos   | 239,532     |          | 0.0000%                     | 0.0001%                        |                                  |
| 290379  | Halogenated derivatives of acyclic hcarbons,cont two/more different halogens,nos  | 38,446,615  |          | 0.0051%                     | 0.0103%                        |                                  |
| 290381  | 1,2,3,4,5,6-Hexachlorocyclohexane (HCH (ISO)), including lindane (ISO, INN)       | 232         |          | 0.0000%                     | 0.0000%                        |                                  |
| 290382  | Aldrin (ISO), chlordane (ISO) and heptachlor (ISO)                                | 403         |          | 0.0000%                     | 0.0000%                        |                                  |
| 290383  | Mirex   |             |          | 0.0000%                     | 0.0000%                        |                                  |
| 290389  | Halogenated derivatives of cyclanic, cyclenic or cycloterpenic hydrocarbons, nos  | 1,423,210   |          | 0.0002%                     | 0.0004%                        |                                  |
| 290391  | Chlorobenzene, o-dichlorobenzene and p-dichlorobenzene                            | 25,653      |          | 0.0000%                     | 0.0000%                        |                                  |
| 290392  | Hexachlorobenzene and DDT(1,1,1-trichloro-2,2-bis(p-chlorophenyl)ethane)          |             |          | 0.0000%                     | 0.0000%                        |                                  |
| 290393  | Pentachlorobenzene  | 713,748     |          | 0.0001%                     | 0.0002%                        |                                  |
| 290394  | Hexabromobiphenyls  | 87          |          | 0.0000%                     | 0.0000%                        |                                  |
| 290399  | Halogenated derivatives of aromatic hydrocarbons, nos                             | 3,931,295   |          | 0.0005%                     | 0.0011%                        |                                  |
| 2904    | Derivatives of hydrocarbons,sulphonated, nitrated or nitrosated w/n halogenated   | 15,005,302  |          | 0.0020%                     | 0.0040%                        | 60.6%                            |
| 290410  | Derivs of hydrocarbons cont only sulpho groups, their salts & ethyl esters        | 13,478,715  |          | 0.0018%                     | 0.0036%                        |                                  |
| 290420  | Derivs of hydrocarbons cont only nitro or only nitroso groups, w/n halogenated    | 378,844     |          | 0.0001%                     | 0.0001%                        |                                  |
| 290431  | Perfluorooctane sulphonic acid, whether or not halogenated                        | 28,135      |          | 0.0000%                     | 0.0000%                        |                                  |
| 290435  | Other salts of perfluorooctane sulphonic acid, whether or not halogenated         | 183,967     |          | 0.0000%                     | 0.0000%                        |                                  |
| 290436  | Perfluorooctane sulphonyl fluoride, whether or not halogenated                    |             |          | 0.0000%                     | 0.0000%                        |                                  |
| 290491  | Trichloronitromethane (chloropicrin), whether or not halogenated                  | 28,303      |          | 0.0000%                     | 0.0000%                        |                                  |
| 290499  | Sulphonated/nitrated/nitrosated derivatives of hydrocarbons,nos,w/n halogenated   | 907,338     |          | 0.0001%                     | 0.0002%                        |                                  |
| 2905    | Acyclic alcohols & their halogenated, sulphonated, nitrated/nitrosated deriv      | 282,076,457 |          | 0.0374%                     | 0.0755%                        | 53.2%                            |
| 290511  | Methanol (methyl alcohol)   | 44,505,384  |          | 0.0059%                     | 0.0119%                        |                                  |
| 290512  | Propan-1-ol(propyl alcohol)and propan-2-ol(isopropyl alcohol)                     | 42,094,679  |          | 0.0056%                     | 0.0113%                        |                                  |
| 290513  | Butan-1-ol (N-butyl alcohol)  | 4,004,069   |          | 0.0005%                     | 0.0011%                        |                                  |
| 290514  | Butanols, nos   | 1,850,596   |          | 0.0002%                     | 0.0005%                        |                                  |
| 290516  | Octanol(octyl alcohol) and isomers thereof  | 33,048,516  |          | 0.0044%                     | 0.0088%                        |                                  |
| 290517  | Dodecan-1-ol, hexadecan-1-ol and octadecan-1-ol                                   | 6,022,191   |          | 0.0008%                     | 0.0016%                        |                                  |
| 290519  | Saturated monohydric acyclic alcohols, nos  | 6,248,627   |          | 0.0008%                     | 0.0017%                        |                                  |
| 290522  | Acyclic terpene alcohols, unsaturated   | 340,986     |          | 0.0000%                     | 0.0001%                        |                                  |
| 290529  | Unsaturated monohydric acyclic alcohols, nos                                      | 1,291,746   |          | 0.0002%                     | 0.0003%                        |                                  |
| 290531  | Ethylene glycol (ethanediol)  | 9,192,394   |          | 0.0012%                     | 0.0025%                        |                                  |
| 290532  | Propylene glycol (propane-1,2-diol)   | 35,955,349  |          | 0.0048%                     | 0.0096%                        |                                  |
| 290539  | Diols, nos  | 20,524,354  |          | 0.0027%                     | 0.0055%                        |                                  |
| 290541  | 2-ethyl-2-(hydroxymethyl) propane-1,3-diol (trimethylolpropane)                   | 315,385     |          | 0.0000%                     | 0.0001%                        |                                  |
| 290542  | Pentaerythritol   | 93,355      |          | 0.0000%                     | 0.0000%                        |                                  |
| 290543  | Mannitol  | 6,543,190   |          | 0.0009%                     | 0.0018%                        |                                  |
| 290544  | D-glucitol (sorbitol)   | 12,619,282  |          | 0.0017%                     | 0.0034%                        |                                  |
| 290545  | Glycerol  | 43,538,244  |          | 0.0058%                     | 0.0117%                        |                                  |
| 290549  | Polyhydric acyclic alcohols, nos  | 13,031,817  |          | 0.0017%                     | 0.0035%                        |                                  |
| 290551  | Ethchlorvynol (INN)   |             |          | 0.0000%                     | 0.0000%                        |                                  |
| 290559  | Halogenated, sulphonated, nitrated or nitrosated derivs of acyclic alcohols,nos   | 856,293     |          | 0.0001%                     | 0.0002%                        |                                  |
| 2906    | Cyclic alcohols & their halogenated, sulphonated, nitrated/nitrosated deriv       | 5,386,949   |          | 0.0007%                     | 0.0014%                        | 29.9%                            |
| 290611  | Menthol   | 1,868,077   |          | 0.0002%                     | 0.0005%                        |                                  |
| 290612  | Cyclohexanol, methylcyclohexanols and dimethylcyclohexanols                       | 2,757       |          | 0.0000%                     | 0.0000%                        |                                  |
| 290613  | Sterols and inositols   | 1,119,975   |          | 0.0001%                     | 0.0003%                        |                                  |
| 290619  | Cyclic alcohols, o/t aromatic, nos; derivs of cyclic alcohols, o/t aromatic       | 225,707     |          | 0.0000%                     | 0.0001%                        |                                  |
| 290621  | Benzyl alcohol  | 1,853,095   |          | 0.0002%                     | 0.0005%                        |                                  |
| 290629  | Aromatic alcohols, nos; derivatives of aromatic alcohols                          | 317,338     |          | 0.0000%                     | 0.0001%                        |                                  |
| 2907    | Phenols; phenol-alcohols  | 131,362,453 |          | 0.0174%                     | 0.0352%                        | 94.4%                            |

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| 290711      | Phenol (hydroxybenzene) and its salts  | 120,604,818       |          | 0.0160%                     | 0.0323%                        |                                  |
| 290712      | Cresols and their salts  | 20,585            |          | 0.0000%                     | 0.0000%                        |                                  |
| 290713      | Octylphenol, nonylphenol and their isomers; salts thereof                              | 7,320,431         |          | 0.0010%                     | 0.0020%                        |                                  |
| 290715      | Naphthols and their salts  | 4,140             |          | 0.0000%                     | 0.0000%                        |                                  |
| 290719      | Monophenols, nos   | 1,183,321         |          | 0.0002%                     | 0.0003%                        |                                  |
| 290721      | Resorcinol and its salts   | 130,156           |          | 0.0000%                     | 0.0000%                        |                                  |
| 290722      | Hydroquinone (quinol) and its salts  | 539,621           |          | 0.0001%                     | 0.0001%                        |                                  |
| 290723      | 4,4'-isopropylidenediphenol (bisphenol A, diphenylolpropane) and its salts             | 98,850            |          | 0.0000%                     | 0.0000%                        |                                  |
| 290729      | Polyphenol, nos  | 1,460,531         |          | 0.0002%                     | 0.0004%                        |                                  |
| <b>2908</b> | <b>Deriv of phenols or phenol-alc, halogenated, sulphonated,nitrated or nitrosated</b> | <b>542,034</b>    |          | <b>0.0001%</b>              | <b>0.0001%</b>                 | <b>19.7%</b>                     |
| 290811      | Pentachlorophenol (ISO)  | 12,025            |          | 0.0000%                     | 0.0000%                        |                                  |
| 290819      | Derivs of phenols or phenol-alcohol,cont only halogen subst & their salts,nos          | 502,063           |          | 0.0001%                     | 0.0001%                        |                                  |
| 290891      | Dinoseb (ISO) and its salts  | 243               |          | 0.0000%                     | 0.0000%                        |                                  |
| 290892      | 4,6-Dinitro-o-cresol (DNOC (ISO)) and its salts  |                   |          | 0.0000%                     | 0.0000%                        |                                  |
| 290899      | Derivatives of phenols or phenol-alcohols, nos   | 27,703            |          | 0.0000%                     | 0.0000%                        |                                  |
| <b>2909</b> | <b>Ethers,ether-alc,etc,nos and their halogenated,sulphonated,nitrated,nitro deriv</b> | <b>78,120,404</b> |          | <b>0.0104%</b>              | <b>0.0209%</b>                 | <b>71.4%</b>                     |
| 290911      | Diethyl ether  | 3,168,625         |          | 0.0004%                     | 0.0008%                        |                                  |
| 290919      | Acyclic ethers,nos,their halogenated/sulphonated/nitrated/nitrosated derivatives       | 2,241,389         |          | 0.0003%                     | 0.0006%                        |                                  |
| 290920      | Cyclanic, cyclenic or cycloterpenic ethers and their derivatives                       | 3,507,786         |          | 0.0005%                     | 0.0009%                        |                                  |
| 290930      | Aromatic ethers and their derivatives  | 122,953           |          | 0.0000%                     | 0.0000%                        |                                  |
| 290941      | 2,2'-oxydiethanol(diethylene glycol)   | 2,524,165         |          | 0.0003%                     | 0.0007%                        |                                  |
| 290943      | Monobutyl ethers of ethylene glycol or of diethylene glycol                            | 9,454,351         |          | 0.0013%                     | 0.0025%                        |                                  |
| 290944      | Monoalkylethers of ethylene glycol or of diethylene glycol, nos                        | 2,624,103         |          | 0.0003%                     | 0.0007%                        |                                  |
| 290949      | Ether-alcohols, nos; derivatives of ether-alcohols                                     | 37,524,829        |          | 0.0050%                     | 0.0100%                        |                                  |
| 290950      | Ether-phenol,ether-alc-phenols& their haloge,sulphonated,nitrated/nitro derivs         | 10,034,028        |          | 0.0013%                     | 0.0027%                        |                                  |
| 290960      | Alcohol peroxides, ether peroxides, ketone peroxides and their derivatives             | 6,918,175         |          | 0.0009%                     | 0.0019%                        |                                  |
| <b>2910</b> | <b>Epoxides, epoxyalcohols, epoxyphenols &amp; epoxyethers &amp; their derivatives</b> | <b>1,993,581</b>  |          | <b>0.0003%</b>              | <b>0.0005%</b>                 | <b>31.7%</b>                     |
| 291010      | Oxirane (ethylene oxide)   | 573,675           |          | 0.0001%                     | 0.0002%                        |                                  |
| 291020      | Methyloxirane (propylene oxide)  | 242,411           |          | 0.0000%                     | 0.0001%                        |                                  |
| 291030      | 1-Chloro-2,3-epoxypropane (epichlorohydrin)  | 467,429           |          | 0.0001%                     | 0.0001%                        |                                  |
| 291040      | Dieldrin (ISO, INN)  |                   |          | 0.0000%                     | 0.0000%                        |                                  |
| 291050      | Endrin   |                   |          | 0.0000%                     | 0.0000%                        |                                  |
| 291090      | Epoxides, epoxyalcohols, epoxyphenols & epoxyethers, nos & their derivatives           | 710,066           |          | 0.0001%                     | 0.0002%                        |                                  |
| <b>2911</b> | <b>Acetals &amp; hemiacetals &amp; their derivatives</b>                               | <b>503,075</b>    |          | <b>0.0001%</b>              | <b>0.0001%</b>                 | <b>88.6%</b>                     |
| <b>2912</b> | <b>Aldehydes,w/n with o oxygen func;cyclic polymers of aldehydes; paraformaldehyde</b> | <b>38,794,344</b> |          | <b>0.0051%</b>              | <b>0.0104%</b>                 | <b>80.4%</b>                     |
| 291211      | Methanal (formaldehyde)  | 5,773,748         |          | 0.0008%                     | 0.0015%                        |                                  |
| 291212      | Ethanal (acetaldehyde)   | 114,041           |          | 0.0000%                     | 0.0000%                        |                                  |
| 291219      | Acyclic aldehydes, without other oxygen function, nos                                  | 20,819,953        |          | 0.0028%                     | 0.0056%                        |                                  |
| 291221      | Benzaldehyde   | 482,134           |          | 0.0001%                     | 0.0001%                        |                                  |
| 291229      | Cyclic aldehydes, without other oxygen function, nos                                   | 4,436,708         |          | 0.0006%                     | 0.0012%                        |                                  |
| 291241      | Vanillin(4-hydroxy-3-methoxybenzaldehyde)  | 4,423,393         |          | 0.0006%                     | 0.0012%                        |                                  |
| 291242      | Ethylvanillin(3-ethoxy-4-hydroxybenzaldehyde)  | 2,349,279         |          | 0.0003%                     | 0.0006%                        |                                  |
| 291249      | Aldehyde-ethers, aldehyde-phenols & aldehydes, with other oxygen function,nos          | 73,973            |          | 0.0000%                     | 0.0000%                        |                                  |
| 291250      | Cyclic polymers of aldehyde  | 186,110           |          | 0.0000%                     | 0.0000%                        |                                  |
| 291260      | Paraformaldehyde   | 135,005           |          | 0.0000%                     | 0.0000%                        |                                  |
| <b>2913</b> | <b>Derivatives of aldehydes, of cyclic poly of aldehydes &amp; paraformaldehyde</b>    | <b>3,969</b>      |          | <b>0.0000%</b>              | <b>0.0000%</b>                 | <b>3.7%</b>                      |
| <b>2914</b> | <b>Ketonos &amp; quinonos, w/n w o oxygen func, &amp; their derivatives</b>            | <b>44,426,939</b> |          | <b>0.0059%</b>              | <b>0.0119%</b>                 | <b>39.1%</b>                     |

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| 291411  | Acetone  | 27,183,398  |          | 0.0036%                     | 0.0073%                        |                                  |
| 291412  | Butanone (methyl ethyl ketone)   | 5,317,385   |          | 0.0007%                     | 0.0014%                        |                                  |
| 291413  | 4-methylpentan-2-one(methyl isobutyl ketone)                                     | 2,486,082   |          | 0.0003%                     | 0.0007%                        |                                  |
| 291419  | Acyclic ketonos without other oxygen function, nos                               | 3,253,132   |          | 0.0004%                     | 0.0009%                        |                                  |
| 291422  | Cyclohexanone and methylcyclohexanonos   | 304,813     |          | 0.0000%                     | 0.0001%                        |                                  |
| 291423  | Iononos and methyliononos  | 87,755      |          | 0.0000%                     | 0.0000%                        |                                  |
| 291429  | Cyclanic, cyclenic or cycloterpenic ketonos, w/o other oxygen function, nos      | 414,007     |          | 0.0001%                     | 0.0001%                        |                                  |
| 291431  | Phenylacetone (phenylpropan-2-one)   | 457         |          | 0.0000%                     | 0.0000%                        |                                  |
| 291439  | Aromatic ketonos without other oxygen function, nos                              | 164,291     |          | 0.0000%                     | 0.0000%                        |                                  |
| 291440  | Ketone-alcohols and ketone-aldehydes   | 406,394     |          | 0.0001%                     | 0.0001%                        |                                  |
| 291450  | Ketone-phenols and ketonos with other oxygen function                            | 1,241,297   |          | 0.0002%                     | 0.0003%                        |                                  |
| 291461  | Anthraquinone  | 135,379     |          | 0.0000%                     | 0.0000%                        |                                  |
| 291462  | Coenzyme Q10 (ubidecarenone)   | 1,518,889   |          | 0.0002%                     | 0.0004%                        |                                  |
| 291469  | Quinonos, other than anthraquinone, nos  | 1,035,656   |          | 0.0001%                     | 0.0003%                        |                                  |
| 291471  | Chlordecone  | 806         |          | 0.0000%                     | 0.0000%                        |                                  |
| 291479  | Ketonos & quinonos derivatives,nos, halogenated/sulphonated/nitrated/nitrosated  | 877,198     |          | 0.0001%                     | 0.0002%                        |                                  |
| 2915    | Saturated acyclic monocarboxylic acids & their derivatives                       | 259,368,928 |          | 0.0344%                     | 0.0694%                        | 74.8%                            |
| 291511  | Formic acid  | 1,807,047   |          | 0.0002%                     | 0.0005%                        |                                  |
| 291512  | Salts of formic acid   | 2,318,369   |          | 0.0003%                     | 0.0006%                        |                                  |
| 291513  | Esters of formic acid  | 74,078      |          | 0.0000%                     | 0.0000%                        |                                  |
| 291521  | Acetic acid  | 32,326,291  |          | 0.0043%                     | 0.0087%                        |                                  |
| 291524  | Acetic anhydride   | 161,926     |          | 0.0000%                     | 0.0000%                        |                                  |
| 291529  | Acetic acid salts, nos   | 4,989,754   |          | 0.0007%                     | 0.0013%                        |                                  |
| 291531  | Ethyl acetate  | 12,954,176  |          | 0.0017%                     | 0.0035%                        |                                  |
| 291532  | Vinyl acetate  | 84,071,184  |          | 0.0111%                     | 0.0225%                        |                                  |
| 291533  | N-butyl acetate  | 16,333,184  |          | 0.0022%                     | 0.0044%                        |                                  |
| 291536  | Dinoseb (ISO) acetate  | 2,939       |          | 0.0000%                     | 0.0000%                        |                                  |
| 291539  | Acetic acid esters, nos  | 20,810,916  |          | 0.0028%                     | 0.0056%                        |                                  |
| 291540  | Mono-, di- or trichloroacetic acids, their salts and esters                      | 1,041,918   |          | 0.0001%                     | 0.0003%                        |                                  |
| 291550  | Propionic acid, its salts and esters   | 20,113,546  |          | 0.0027%                     | 0.0054%                        |                                  |
| 291560  | Butanoic acids, pentanoic acids, their salts and esters                          | 8,231,666   |          | 0.0011%                     | 0.0022%                        |                                  |
| 291570  | Palmitic acid, stearic acid, their salts and esters                              | 30,670,376  |          | 0.0041%                     | 0.0082%                        |                                  |
| 291590  | Saturated acyclic monocarboxylic acids and their derivatives, nos                | 23,461,558  |          | 0.0031%                     | 0.0063%                        |                                  |
| 2916    | Unsaturated acyclic monocarboxylic aci, cyclic monocarboxylic aci & their derivs | 175,244,737 |          | 0.0232%                     | 0.0469%                        | 53.1%                            |
| 291611  | Acrylic acid and its salts, unsaturated  | 2,946,565   |          | 0.0004%                     | 0.0008%                        |                                  |
| 291612  | Acrylic acid esters  | 84,474,651  |          | 0.0112%                     | 0.0226%                        |                                  |
| 291613  | Methacrylic acid and its salts   | 6,763,679   |          | 0.0009%                     | 0.0018%                        |                                  |
| 291614  | Methacrylic acid esters  | 43,050,671  |          | 0.0057%                     | 0.0115%                        |                                  |
| 291615  | Oleic, linoleic or linolenic acids, their salts and esters                       | 3,374,264   |          | 0.0004%                     | 0.0009%                        |                                  |
| 291616  | Binapacryl (ISO)   | 493         |          | 0.0000%                     | 0.0000%                        |                                  |
| 291619  | Unsaturated acyclic monocarboxylic acids and their derivatives, nos              | 18,459,174  |          | 0.0024%                     | 0.0049%                        |                                  |
| 291620  | Cyclanic, cyclenic or cycloterpenic mono carboxylic acids & their derivatives    | 13,555      |          | 0.0000%                     | 0.0000%                        |                                  |
| 291631  | Benzoic acid, its salts and esters   | 7,691,702   |          | 0.0010%                     | 0.0021%                        |                                  |
| 291632  | Benzoyl peroxide and benzoyl chloride  | 3,372,366   |          | 0.0004%                     | 0.0009%                        |                                  |
| 291634  | Phenylacetic acid and its salts  | 78,972      |          | 0.0000%                     | 0.0000%                        |                                  |
| 291639  | Aromatic monocarboxylic acids and their derivatives, nos                         | 5,018,645   |          | 0.0007%                     | 0.0013%                        |                                  |
| 2917    | Polycarboxylic aci, their anhydrides, halides, etc and their derivatives         | 279,612,081 |          | 0.0371%                     | 0.0748%                        | 82.4%                            |
| 291711  | Oxalic acid, its salts and esters  | 433,118     |          | 0.0001%                     | 0.0001%                        |                                  |
| 291712  | Adipic acid, its salts and esters  | 183,395,887 |          | 0.0243%                     | 0.0491%                        |                                  |
| 291713  | Azelaic acid, sebacic acid, their salts and esters                               | 2,136,662   |          | 0.0003%                     | 0.0006%                        |                                  |
| 291714  | Maleic anhydride   | 4,527,427   |          | 0.0006%                     | 0.0012%                        |                                  |

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| 291719      | Acyclic polycarboxylic acids and their derivatives, nos                                | 7,613,081          |          | 0.0010%                     | 0.0020%                        |                                  |
| 291720      | Cyclanic, cyclenic or cycloterpenic poly carboxylic acids & their derivatives          | 4,903,653          |          | 0.0007%                     | 0.0013%                        |                                  |
| 291732      | Dioctyl orthophthalates,anhydrides,halides,peroxides,peroxyacids & derivatives         | 335,574            |          | 0.0000%                     | 0.0001%                        |                                  |
| 291733      | Dinonyl or didecyl orthophthalates   | 14,616,126         |          | 0.0019%                     | 0.0039%                        |                                  |
| 291734      | Orthophthalic acid esters, nos   | 21,175,006         |          | 0.0028%                     | 0.0057%                        |                                  |
| 291735      | Phthalic anhydride   | 9,727,362          |          | 0.0013%                     | 0.0026%                        |                                  |
| 291736      | Terephthalic acid and its salts  | 12,144             |          | 0.0000%                     | 0.0000%                        |                                  |
| 291737      | Dimethyl terephthalate   | 208                |          | 0.0000%                     | 0.0000%                        |                                  |
| 291739      | Aromatic polycarboxylic acids and their derivatives, nos                               | 30,735,833         |          | 0.0041%                     | 0.0082%                        |                                  |
| <b>2918</b> | <b>Carboxylic acids w additional oxygen func and their derivatives</b>                 | <b>92,290,375</b>  |          | <b>0.0122%</b>              | <b>0.0247%</b>                 | <b>38.2%</b>                     |
| 291811      | Lactic acid, its salts and esters  | 16,585,996         |          | 0.0022%                     | 0.0044%                        |                                  |
| 291812      | Tartaric acid  | 126,462            |          | 0.0000%                     | 0.0000%                        |                                  |
| 291813      | Salts and esters of tartaric acid  | 367,727            |          | 0.0000%                     | 0.0001%                        |                                  |
| 291814      | Citric acid  | 18,820,807         |          | 0.0025%                     | 0.0050%                        |                                  |
| 291815      | Salts and esters of citric acid  | 15,061,030         |          | 0.0020%                     | 0.0040%                        |                                  |
| 291816      | Gluconic acid, its salts and esters  | 6,358,921          |          | 0.0008%                     | 0.0017%                        |                                  |
| 291817      | Phenylglycolic acid (mandelic acid), its salts and esters                              | 15,785             |          | 0.0000%                     | 0.0000%                        |                                  |
| 291818      | Chlorobenzilate (ISO)  | 5                  |          | 0.0000%                     | 0.0000%                        |                                  |
| 291819      | Carboxylic acids with alcohol function only and their derivatives, nos                 | 5,644,411          |          | 0.0007%                     | 0.0015%                        |                                  |
| 291821      | Salicylic acid and its salts   | 565,702            |          | 0.0001%                     | 0.0002%                        |                                  |
| 291822      | O-acetylsalicylic acid, its salts and esters   | 6,549              |          | 0.0000%                     | 0.0000%                        |                                  |
| 291823      | Salicylic acid esters, nos, and their salts  | 1,500,164          |          | 0.0002%                     | 0.0004%                        |                                  |
| 291829      | Carboxylic acids with phenol function only and their derivatives, nos                  | 6,335,773          |          | 0.0008%                     | 0.0017%                        |                                  |
| 291830      | Carboxylic acids with aldehyde or ketone function only and their derivatives           | 354,604            |          | 0.0000%                     | 0.0001%                        |                                  |
| 291891      | 2,4,5-T (ISO) (2,4,5-trichlorophenoxyacetic acid), its salts and esters                |                    |          | 0.0000%                     | 0.0000%                        |                                  |
| 291899      | Carboxylic acids with additional oxygen functions, nos, and their derivatives          | 20,546,439         |          | 0.0027%                     | 0.0055%                        |                                  |
| <b>2919</b> | <b>Phosphoric esters, their salts and their derivatives</b>                            | <b>6,752,353</b>   |          | <b>0.0009%</b>              | <b>0.0018%</b>                 | <b>17.1%</b>                     |
| 291910      | Tris(2,3-dibromopropyl) phosphate  | 580,181            |          | 0.0001%                     | 0.0002%                        |                                  |
| 291990      | Phosphoric esters, their salts and their derivatives, nos                              | 6,172,172          |          | 0.0008%                     | 0.0017%                        |                                  |
| <b>2920</b> | <b>Esters of inorganic acids of non-metals, nos, their salts and their derivatives</b> | <b>22,963,538</b>  |          | <b>0.0030%</b>              | <b>0.0061%</b>                 | <b>34.9%</b>                     |
| 292011      | Parathion (ISO) and parathion-methyl (ISO) (methyl-parathion)                          | 19                 |          | 0.0000%                     | 0.0000%                        |                                  |
| 292019      | Thiophosphoric esters (phosphorothioates),their salts and derivatives,nos              | 68,461             |          | 0.0000%                     | 0.0000%                        |                                  |
| 292021      | Dimethyl phosphite   | 143                |          | 0.0000%                     | 0.0000%                        |                                  |
| 292022      | Diethyl phosphite  | 69                 |          | 0.0000%                     | 0.0000%                        |                                  |
| 292023      | Trimethyl phosphite  | 72,945             |          | 0.0000%                     | 0.0000%                        |                                  |
| 292024      | Triethyl phosphite   |                    |          | 0.0000%                     | 0.0000%                        |                                  |
| 292029      | Phosphite esters and their salts, nos  | 7,873,663          |          | 0.0010%                     | 0.0021%                        |                                  |
| 292030      | Endosulfan   | 2,101              |          | 0.0000%                     | 0.0000%                        |                                  |
| 292090      | Esters of inorganic acids, nos, their salts and their derivatives                      | 14,946,137         |          | 0.0020%                     | 0.0040%                        |                                  |
| <b>2921</b> | <b>Amine-function compounds</b>  | <b>251,260,630</b> |          | <b>0.0333%</b>              | <b>0.0672%</b>                 | <b>81.1%</b>                     |
| 292111      | Methylamine, di- or trimethylamine and their salts                                     | 548,404            |          | 0.0001%                     | 0.0001%                        |                                  |
| 292112      | diethylamine and its salts   | 15,095             |          | 0.0000%                     | 0.0000%                        |                                  |
| 292113      | 2-(N,N-Diethylamino)ethylchloride hydrochloride  | 67                 |          | 0.0000%                     | 0.0000%                        |                                  |
| 292114      | 2-(N,N-Diisopropylamino)ethylchloride hydrochloride                                    |                    |          | 0.0000%                     | 0.0000%                        |                                  |
| 292119      | Acyclic monoaminos, nos, and their derivatives; salts thereof                          | 4,514,466          |          | 0.0006%                     | 0.0012%                        |                                  |
| 292121      | Ethylenediamine and its salts  | 2,680,069          |          | 0.0004%                     | 0.0007%                        |                                  |
| 292122      | Hexamethylenediamine and its salts   | 197,917,981        |          | 0.0262%                     | 0.0530%                        |                                  |
| 292129      | Acyclic polyaminos, nos, and their derivatives; salts thereof                          | 10,288,121         |          | 0.0014%                     | 0.0028%                        |                                  |
| 292130      | Cyclanic,cyclenic or cycloterpenic mono- or polyaminos, their derivs&their salts       | 1,478,470          |          | 0.0002%                     | 0.0004%                        |                                  |
| 292141      | Aniline and its salts  | 16,747             |          | 0.0000%                     | 0.0000%                        |                                  |

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| 292142  | Aniline derivatives and their salts  | 2,510,735   |          | 0.0003%                     | 0.0007%                        |                                  |
| 292143  | Toluidinos and their derivatives; salts thereof                                | 18,174      |          | 0.0000%                     | 0.0000%                        |                                  |
| 292144  | Diphenylamine and its derivatives; salts thereof                               | 23,655,311  |          | 0.0031%                     | 0.0063%                        |                                  |
| 292145  | 1-Naphthylamine & 2-naphthylamine and their derivatives; salts thereof         | 95,507      |          | 0.0000%                     | 0.0000%                        |                                  |
| 292146  | Amfetamine (INN),benzfetamine (INN), dexametamine (INN),etc;salts thereof      | 490,852     |          | 0.0001%                     | 0.0001%                        |                                  |
| 292149  | Aromatic monoaminos, nos, and their derivatives; salts thereof                 | 1,347,449   |          | 0.0002%                     | 0.0004%                        |                                  |
| 292151  | o-,m-,p-Phenylenediamine,diaminotoluenos and their derivatives; salts thereof  | 4,868,513   |          | 0.0006%                     | 0.0013%                        |                                  |
| 292159  | Aromatic polyaminos, nos, and their derivatives; salts thereof                 | 814,669     |          | 0.0001%                     | 0.0002%                        |                                  |
| 2922    | Oxygen-function amino-compounds  | 277,033,277 |          | 0.0367%                     | 0.0741%                        | 54.0%                            |
| 292211  | Monoethanolamine and its salts   | 116,106,247 |          | 0.0154%                     | 0.0311%                        |                                  |
| 292212  | Diethanolamine and its salts   | 13,341,619  |          | 0.0018%                     | 0.0036%                        |                                  |
| 292214  | Dextropropoxyphene (INN) and its salts   | 3,183       |          | 0.0000%                     | 0.0000%                        |                                  |
| 292215  | Triethanolamine  | 5,936,543   |          | 0.0008%                     | 0.0016%                        |                                  |
| 292216  | Diethanolammonium perfluorooctane sulphonate                                   | 105,528     |          | 0.0000%                     | 0.0000%                        |                                  |
| 292217  | Methyldiethanolamine and ethyldiethanolamine                                   | 8,220,123   |          | 0.0011%                     | 0.0022%                        |                                  |
| 292218  | 2-(N,N-Diisopropylamino)ethanol  | 422,009     |          | 0.0001%                     | 0.0001%                        |                                  |
| 292219  | Amino-alcohols, nos, their ethers and esters; salts thereof                    | 37,526,726  |          | 0.0050%                     | 0.0100%                        |                                  |
| 292221  | Aminohydroxynaphthalenosulphonic acids and their salts                         | 108,742     |          | 0.0000%                     | 0.0000%                        |                                  |
| 292229  | Amino-naphthols & other amino-phenols, nos,their ethers & esters;salts thereof | 317,004     |          | 0.0000%                     | 0.0001%                        |                                  |
| 292231  | Amfepramone (INN), methadone (INN) and normethadone (INN); salts thereof       | 7,764       |          | 0.0000%                     | 0.0000%                        |                                  |
| 292239  | Amino-aldehydes, amino-ketons & amino-quinonos, nos; salts thereof             | 70,016      |          | 0.0000%                     | 0.0000%                        |                                  |
| 292241  | Lysine and its esters; salts thereof   | 12,365,193  |          | 0.0016%                     | 0.0033%                        |                                  |
| 292242  | Glutamic acid and its salts  | 4,892,857   |          | 0.0006%                     | 0.0013%                        |                                  |
| 292243  | Anthranilic acid and its salts   | 2,937       |          | 0.0000%                     | 0.0000%                        |                                  |
| 292244  | Tilidine (INN) and its salts   | 19,035      |          | 0.0000%                     | 0.0000%                        |                                  |
| 292249  | Amino-acids, nos, and their esters; salts thereof                              | 75,115,728  |          | 0.0100%                     | 0.0201%                        |                                  |
| 292250  | Amino-alcohol-phenols,amino-acid-phenols & other amino-compds with oxygen func | 2,472,023   |          | 0.0003%                     | 0.0007%                        |                                  |
| 2923    | Quaternary ammon sa & hydroxide; lecithin & o phosphoaminolipid, w/n chem def  | 48,807,471  |          | 0.0065%                     | 0.0131%                        | 50.3%                            |
| 292310  | Choline and its salts  | 8,193,152   |          | 0.0011%                     | 0.0022%                        |                                  |
| 292320  | Lecithins and other phosphoaminolipids   | 33,756,284  |          | 0.0045%                     | 0.0090%                        |                                  |
| 292330  | Tetraethylammonium perfluorooctane sulphonate                                  | 62,560      |          | 0.0000%                     | 0.0000%                        |                                  |
| 292340  | Didecyldimethylammonium perfluorooctane sulphonate                             | 32,226      |          | 0.0000%                     | 0.0000%                        |                                  |
| 292390  | Quarternary ammonium salts and hydroxides, nos                                 | 6,763,249   |          | 0.0009%                     | 0.0018%                        |                                  |
| 2924    | Carboxamide-function compounds; amide function compounds of carbonic acid      | 40,116,629  |          | 0.0053%                     | 0.0107%                        | 26.0%                            |
| 292411  | Meprobamate (INN) and its salts  | 532         |          | 0.0000%                     | 0.0000%                        |                                  |
| 292412  | Fluoroacetamide (ISO), monocrotophos (ISO) and phosphamidon (ISO)              | 470         |          | 0.0000%                     | 0.0000%                        |                                  |
| 292419  | Acyclic amides and their derivatives, nos; salts thereof                       | 15,640,234  |          | 0.0021%                     | 0.0042%                        |                                  |
| 292421  | Ureinos and their derivatives; salts thereof                                   | 148,594     |          | 0.0000%                     | 0.0000%                        |                                  |
| 292423  | 2-Acetamidobenzoic acid (N-acetylanthranilic acid) and its salts               | 234         |          | 0.0000%                     | 0.0000%                        |                                  |
| 292424  | Ethinamate (INN) and its salts   |             |          | 0.0000%                     | 0.0000%                        |                                  |
| 292425  | Alachlor   |             |          | 0.0000%                     | 0.0000%                        |                                  |
| 292429  | Cyclic amides and their derivatives, nos; salts thereof                        | 24,326,565  |          | 0.0032%                     | 0.0065%                        |                                  |
| 2925    | Carboxyimide-func compds (incl saccharin & its sa) & imine-function compds     | 6,934,967   |          | 0.0009%                     | 0.0019%                        | 17.8%                            |
| 292511  | Saccharin and its salts  | 88,528      |          | 0.0000%                     | 0.0000%                        |                                  |
| 292512  | Glutethimide (INN) and its salts   |             |          | 0.0000%                     | 0.0000%                        |                                  |
| 292519  | Imides and their derivatives, nos; salts thereof                               | 1,310,265   |          | 0.0002%                     | 0.0004%                        |                                  |
| 292521  | Chlordimeform (ISO)  | 7,341       |          | 0.0000%                     | 0.0000%                        |                                  |
| 292529  | Iminos and their derivatives, nos; salts thereof                               | 5,528,833   |          | 0.0007%                     | 0.0015%                        |                                  |
| 2926    | Nitrile-function compounds   | 29,827,680  |          | 0.0040%                     | 0.0080%                        | 66.0%                            |

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| 292610  | Acrylonitrile  | 4,481,673   |          | 0.0006%                     | 0.0012%                        |                                  |
| 292620  | 1-cyanoguanidine (dicyandiamide)   | 74,042      |          | 0.0000%                     | 0.0000%                        |                                  |
| 292630  | Fenproporex (INN) & salts;methadone (INN) interm (4-cyano-2-dimethylamino-4),etc | 10,509      |          | 0.0000%                     | 0.0000%                        |                                  |
| 292640  | alpha-Phenylacetoacetonitrile  | 40          |          | 0.0000%                     | 0.0000%                        |                                  |
| 292690  | Nitrile-function compounds, nos  | 25,261,416  |          | 0.0033%                     | 0.0068%                        |                                  |
| 2927    | Diazo-, azo- or azoxy-compounds  | 786,031     |          | 0.0001%                     | 0.0002%                        | 6.9%                             |
| 2928    | Organic derivatives of hydrazine or of hydroxylamine                             | 4,949,945   |          | 0.0007%                     | 0.0013%                        | 49.9%                            |
| 2929    | Compounds with other nitrogen function   | 71,158,194  |          | 0.0094%                     | 0.0190%                        | 55.2%                            |
| 292910  | Isocyanates  | 57,124,652  |          | 0.0076%                     | 0.0153%                        |                                  |
| 292990  | Compounds with other nitrogen function, nos                                      | 14,033,542  |          | 0.0019%                     | 0.0038%                        |                                  |
| 2930    | Organo-sulphur compounds   | 61,500,206  |          | 0.0082%                     | 0.0165%                        | 35.9%                            |
| 293010  | Dithiocarbonates (xanthates)   | 1,209,892   |          | 0.0002%                     | 0.0003%                        |                                  |
| 293020  | Organo-sulphur compounds of thiocarbamates and dithiocarbamates                  | 723,455     |          | 0.0001%                     | 0.0002%                        |                                  |
| 293030  | Organo-sulphur compounds of thiuram mono-, di- or tetrasulphides                 | 142,282     |          | 0.0000%                     | 0.0000%                        |                                  |
| 293040  | Organo-sulphur compounds of methionine   | 19,765,497  |          | 0.0026%                     | 0.0053%                        |                                  |
| 293060  | 2-(N,N-Diethylamino)ethanethiol  | 5,231       |          | 0.0000%                     | 0.0000%                        |                                  |
| 293070  | Bis(2-hydroxyethyl)sulfide (thiodiglycol)  | -           |          | 0.0000%                     | 0.0000%                        |                                  |
| 293080  | Aldicarb, captafol and methamidophos   | -           |          | 0.0000%                     | 0.0000%                        |                                  |
| 293090  | Organo-sulphur compounds, nos  | 39,653,849  |          | 0.0053%                     | 0.0106%                        |                                  |
| 2931    | Organo-inorganic compounds, nos  | 59,857,719  |          | 0.0079%                     | 0.0160%                        | 24.5%                            |
| 293110  | Tetramethyl lead and tetraethyl lead   | 680,908     |          | 0.0001%                     | 0.0002%                        |                                  |
| 293120  | Tributyltin compounds  | 668,767     |          | 0.0001%                     | 0.0002%                        |                                  |
| 293141  | Dimethyl methylphosphonate   | 240         |          | 0.0000%                     | 0.0000%                        |                                  |
| 293142  | Dimethyl propylphosphonate   | -           |          | 0.0000%                     | 0.0000%                        |                                  |
| 293143  | Diethyl ethylphosphonate   | -           |          | 0.0000%                     | 0.0000%                        |                                  |
| 293144  | Methylphosphonic acid  | 171,455     |          | 0.0000%                     | 0.0000%                        |                                  |
| 293145  | Salt of methylphosphonic acid and (aminoiminomethyl)urea (1 : 1)                 | -           |          | 0.0000%                     | 0.0000%                        |                                  |
| 293146  | 2,4,6-Tripropyl-1,3,5,2,4,6-trioxatriphosphinane 2,4,6-trioxide                  | 264         |          | 0.0000%                     | 0.0000%                        |                                  |
| 293147  | (5-Ethyl-2-methyl-2-oxido-1,3,2-dioxaphosphinan-5-yl) methyl methyl methylphosp  | 1           |          | 0.0000%                     | 0.0000%                        |                                  |
| 293148  | 3,9-Dimethyl-2,4,8,10-tetraoxa-3,9-diphosphaspiro[5.5] undecane 3,9-dioxide      | 4,329       |          | 0.0000%                     | 0.0000%                        |                                  |
| 293149  | Non-halogenated organo-phosphorous derivatives, nos                              | 3,804,512   |          | 0.0005%                     | 0.0010%                        |                                  |
| 293151  | Methylphosphonic dichloride  | -           |          | 0.0000%                     | 0.0000%                        |                                  |
| 293152  | Propylphosphonic dichloride  | -           |          | 0.0000%                     | 0.0000%                        |                                  |
| 293153  | O-(3-chloropropyl) O-[4-nitro-3-(trifluoromethyl)phenyl] methylphosphonothionate | 1,113       |          | 0.0000%                     | 0.0000%                        |                                  |
| 293154  | Trichlorfon (ISO)  | -           |          | 0.0000%                     | 0.0000%                        |                                  |
| 293159  | Other halogenated organo-phosphorous derivatives, nos                            | 40,720      |          | 0.0000%                     | 0.0000%                        |                                  |
| 293190  | Organo-inorganic compounds, nos  | 54,485,410  |          | 0.0072%                     | 0.0146%                        |                                  |
| 2932    | Heterocyclic compounds with oxygen hetero-atom(s) only                           | 29,601,215  |          | 0.0039%                     | 0.0079%                        | 30.6%                            |
| 293211  | Tetrahydrofuran  | 2,212,426   |          | 0.0003%                     | 0.0006%                        |                                  |
| 293212  | 2-furaldehyde (furfuraldehyde)   | 22,128      |          | 0.0000%                     | 0.0000%                        |                                  |
| 293213  | Furfuryl alcohol and tetrahydrofurfuryl alcohol                                  | 242,544     |          | 0.0000%                     | 0.0001%                        |                                  |
| 293214  | Sucralose  | 6,861,079   |          | 0.0009%                     | 0.0018%                        |                                  |
| 293219  | Heterocyclic compds cont an unfused furan ring in the structure, nos             | 8,803,929   |          | 0.0012%                     | 0.0024%                        |                                  |
| 293220  | Lactonos   | 2,799,897   |          | 0.0004%                     | 0.0007%                        |                                  |
| 293291  | Isosafrole   | -           |          | 0.0000%                     | 0.0000%                        |                                  |
| 293292  | 1-(1,3-Benzodioxol-5-yl)propane-2-one  | -           |          | 0.0000%                     | 0.0000%                        |                                  |
| 293293  | Piperonal  | -           |          | 0.0000%                     | 0.0000%                        |                                  |
| 293294  | Safrole  | 270,408     |          | 0.0000%                     | 0.0001%                        |                                  |

Canadian Imports from the United States 2023 Product List - Products of the Chemical or Allied Industries

| HS Code | Product Category   | Total Value | (CDN \$) | % of Total Canadian Imports | % of Total Imports from the US | % US Imports in Product Category |
|---------|--|-------------|----------|-----------------------------|--------------------------------|----------------------------------|
| 293295  | Tetrahydrocannabinols (all isomers)  | 21,275      |          | 0.0000%                     | 0.0000%                        |                                  |
| 293296  | Heterocyclic compounds of Carbofuran (ISO)                                       | 3,973       |          | 0.0000%                     | 0.0000%                        |                                  |
| 293299  | Heterocyclic compounds with oxygen hetero-atom(s) only, nos                      | 8,363,556   |          | 0.0011%                     | 0.0022%                        |                                  |
| 2933    | Heterocyclic compds with nitrogen hetero atom(s) only; nucleic acids & their sa  | 245,584,605 |          | 0.0326%                     | 0.0657%                        | 19.1%                            |
| 293311  | Phenazone (antipyrin) and its derivatives  | 429,366     |          | 0.0001%                     | 0.0001%                        |                                  |
| 293319  | Heterocyclic compds cont an unfused pyrazole ring in the structure, nos          | 7,789,063   |          | 0.0010%                     | 0.0021%                        |                                  |
| 293321  | Compounds of hydantoin and its derivatives, cont an unfused imidazole ring       | 348,657     |          | 0.0000%                     | 0.0001%                        |                                  |
| 293329  | Heterocyclic compds, cont an unfused imidazole ring in the structure, nos        | 55,312,758  |          | 0.0073%                     | 0.0148%                        |                                  |
| 293331  | Compounds of pyridine and its salts, containing an unfused pyridine ring         | 1,004,653   |          | 0.0001%                     | 0.0003%                        |                                  |
| 293332  | Compounds of piperidine and its salts, containing an unfused pyridine ring       | 39,785      |          | 0.0000%                     | 0.0000%                        |                                  |
| 293333  | Alfentanil,anileridine,bromazepam,fentanyl,phencyclidine (PCP),etc;salts thereof | 19,333      |          | 0.0000%                     | 0.0000%                        |                                  |
| 293334  | Heterocyclic compounds of fentanyls and their derivatives, nos                   | 489         |          | 0.0000%                     | 0.0000%                        |                                  |
| 293335  | Heterocyclic compounds of 3-Quinuclidinol  | 199         |          | 0.0000%                     | 0.0000%                        |                                  |
| 293336  | Heterocyclic compounds of 4-Anilino-N-phenethylpiperidine (ANPP)                 | 3,500       |          | 0.0000%                     | 0.0000%                        |                                  |
| 293337  | Heterocyclic compounds of N-Phenethyl-4-piperidone (NPP)                         | 655         |          | 0.0000%                     | 0.0000%                        |                                  |
| 293339  | Heterocyclic compds cont an unfused pyridine ring in the structure, nos          | 24,433,103  |          | 0.0032%                     | 0.0065%                        |                                  |
| 293341  | Levorphanol (INN) and its salts, w/n hydrogenated, not further fused             | 261         |          | 0.0000%                     | 0.0000%                        |                                  |
| 293349  | Heterocyclic compds cont a quinoline/isoquinoline ring-syst,no furth fused,nos   | 7,023,155   |          | 0.0009%                     | 0.0019%                        |                                  |
| 293352  | Malonylurea (barbituric acid) and its salts                                      | 1,967       |          | 0.0000%                     | 0.0000%                        |                                  |
| 293353  | Allobarbital(INN),amobarbital(INN), barbital(INN),butalbital(INN),etc;and salts  | 65,850      |          | 0.0000%                     | 0.0000%                        |                                  |
| 293354  | Other derivatives of malonylurea (barbituric acid), nos; salts thereof           | 445,311     |          | 0.0001%                     | 0.0001%                        |                                  |
| 293355  | Loprazolam(INN),mecloqualone(INN), methaqualone(INN) & zipeprot (INN); & salts   | -           |          | 0.0000%                     | 0.0000%                        |                                  |
| 293359  | Heterocycl compds cont a pyrimidine rng or piperazine rng, nos; nucleic acid&sa  | 58,235,728  |          | 0.0077%                     | 0.0156%                        |                                  |
| 293361  | Melamine   | 9,821,641   |          | 0.0013%                     | 0.0026%                        |                                  |
| 293369  | Heterocyclic compds cont an unfused triazine ring in the structure, nos          | 8,152,580   |          | 0.0011%                     | 0.0022%                        |                                  |
| 293371  | 6-hexanelactam (epsilon-captolactam)   | 42,089,857  |          | 0.0056%                     | 0.0113%                        |                                  |
| 293372  | Clobazam (INN) and methyprylon (INN)   | 788         |          | 0.0000%                     | 0.0000%                        |                                  |
| 293379  | Lactams, nos   | 3,280,630   |          | 0.0004%                     | 0.0009%                        |                                  |
| 293391  | Alprazolam(INN), camazepam(INN), chlordiazepoxide (INN), etc; salts thereof      | 67,978      |          | 0.0000%                     | 0.0000%                        |                                  |
| 293392  | Azinphos-methyl  | 4,599       |          | 0.0000%                     | 0.0000%                        |                                  |
| 293399  | Heterocyclic compds with nitrogen hetero-atom(s) only, nos                       | 27,012,699  |          | 0.0036%                     | 0.0072%                        |                                  |
| 2934    | Heterocyclic compounds, nos  | 79,837,519  |          | 0.0106%                     | 0.0214%                        | 3.4%                             |
| 293410  | Heterocyclic compounds containing an unfused thiazole ring in the structure      | 7,442,749   |          | 0.0010%                     | 0.0020%                        |                                  |
| 293420  | Heterocyclic compds cont in struc a benzothiazole ring-syst no furth fused       | 3,664,580   |          | 0.0005%                     | 0.0010%                        |                                  |
| 293430  | Heterocyclic compds cont in struct a phenothiazine ring-syst not furth fused     | 33,698      |          | 0.0000%                     | 0.0000%                        |                                  |
| 293491  | Aminorex(INN),brotizolam(INN),clotiazepam(INN),cloxazolam(INN),etc;salts t/o     | 14,383      |          | 0.0000%                     | 0.0000%                        |                                  |
| 293492  | Fentanyls, their derivatives and salts thereof                                   | 48,394      |          | 0.0000%                     | 0.0000%                        |                                  |
| 293499  | Heterocyclic compounds, nos  | 68,633,715  |          | 0.0091%                     | 0.0184%                        |                                  |
| 2935    | Sulphonamides  | 6,651,691   |          | 0.0009%                     | 0.0018%                        | 1.8%                             |
| 293510  | N-Methylperfluorooctane sulphonamide   | 3,289       |          | 0.0000%                     | 0.0000%                        |                                  |
| 293520  | N-Ethylperfluorooctane sulphonamide  | -           |          | 0.0000%                     | 0.0000%                        |                                  |
| 293530  | N-Ethyl-N-(2-hydroxyethyl) perfluorooctane sulphonamide                          | 1,376       |          | 0.0000%                     | 0.0000%                        |                                  |
| 293540  | N-(2-Hydroxyethyl)-N-methylperfluorooctane sulphonamide                          | 3,826       |          | 0.0000%                     | 0.0000%                        |                                  |
| 293550  | Other perfluorooctane sulphonamides, nos   | -           |          | 0.0000%                     | 0.0000%                        |                                  |
| 293590  | Sulphonamides, nos   | 6,643,200   |          | 0.0009%                     | 0.0018%                        |                                  |
| 2936    | Provitamins & vitamins, natural or reproduced by synthesis or their derivs       | 130,636,183 |          | 0.0173%                     | 0.0350%                        | 41.2%                            |
| 293621  | Vitamins A and their derivatives, unmixed  | 3,367,560   |          | 0.0004%                     | 0.0009%                        |                                  |
| 293622  | Vitamin B1 and its derivatives, unmixed  | 484,923     |          | 0.0001%                     | 0.0001%                        |                                  |
| 293623  | Vitamin B2 and its derivatives, unmixed  | 198,524     |          | 0.0000%                     | 0.0001%                        |                                  |
| 293624  | D- or DL-Pantothenic acid (Vitamin B5) and its derivatives, unmixed              | 389,986     |          | 0.0001%                     | 0.0001%                        |                                  |



Canadian Imports from the United States 2023 Product List - Products of the Chemical or Allied Industries

| HS Code | Product Category   | Total Value | (CDN \$) | % of Total Canadian Imports | % of Total Imports from the US | % US Imports in Product Category |
|---------|--|-------------|----------|-----------------------------|--------------------------------|----------------------------------|
| 293625  | Vitamin B6 and its derivatives, unmixed  | 259,240     |          | 0.0000%                     | 0.0001%                        |                                  |
| 293626  | Vitamin B12 and its derivatives, unmixed   | 1,102,898   |          | 0.0001%                     | 0.0003%                        |                                  |
| 293627  | Vitamin C and its derivatives, unmixed   | 5,594,874   |          | 0.0007%                     | 0.0015%                        |                                  |
| 293628  | Vitamin E and its derivatives, unmixed   | 23,407,186  |          | 0.0031%                     | 0.0063%                        |                                  |
| 293629  | Vitamins, nos, and their derivatives, unmixed                                    | 30,499,897  |          | 0.0040%                     | 0.0082%                        |                                  |
| 293690  | Vitamin concentrates; intermixtures of vitamins, of provitamins or of conc       | 65,331,095  |          | 0.0087%                     | 0.0175%                        |                                  |
| 2937    | Hormonos; their deriv; steroids nos, used primarily as hormonos                  | 9,768,139   |          | 0.0013%                     | 0.0026%                        | 1.7%                             |
| 293711  | Somatotropin, its derivatives and structural analogues                           | 5,820       |          | 0.0000%                     | 0.0000%                        |                                  |
| 293712  | Insulin and its salts  | 104,897     |          | 0.0000%                     | 0.0000%                        |                                  |
| 293719  | Polypeptide/protein/glycoprotein hormonos, their derivs & struct analogue, nos   | 4,759,912   |          | 0.0006%                     | 0.0013%                        |                                  |
| 293721  | Cortisone,hydrocortisone,prednisone,prednisolone,derivatives & struct analogues  | 1,345,496   |          | 0.0002%                     | 0.0004%                        |                                  |
| 293722  | Halogenated derivatives of corticosteroidal hormonos                             | 91,537      |          | 0.0000%                     | 0.0000%                        |                                  |
| 293723  | Oestrogens and progestogens  | 152,317     |          | 0.0000%                     | 0.0000%                        |                                  |
| 293729  | Adrenal cortical hormonos nos, in bulk; derivs of adren cor horm, nos, in bulk   | 145,768     |          | 0.0000%                     | 0.0000%                        |                                  |
| 293750  | Prostaglandins,thromboxanos and leukotrienos,derivatives & structural analogues  | 121,850     |          | 0.0000%                     | 0.0000%                        |                                  |
| 293790  | Horm, prostaglandin, thromboxane & leukotriene,deriv & ana,used prim as horm,nos | 3,040,542   |          | 0.0004%                     | 0.0008%                        |                                  |
| 2938    | Glycosides,natural/reproduced by synthesis,salts,ethers,esters & o derivatives   | 3,973,036   |          | 0.0005%                     | 0.0011%                        | 16.3%                            |
| 293810  | Rutoside (rutin) and its derivatives   | 3,999       |          | 0.0000%                     | 0.0000%                        |                                  |
| 293890  | Glycosides,nat/repro by synthesis,their salts,ethers,esters & o derivatives,nos  | 3,969,037   |          | 0.0005%                     | 0.0011%                        |                                  |
| 2939    | Vegetable alkaloids and their salts, ethers, esters & other derivatives          | 11,333,706  |          | 0.0015%                     | 0.0030%                        | 21.8%                            |
| 293911  | Conc of poppy straw;codeine,heroin,hydrocodone,morphine,oxycodone,etc; salts t/o | 534,258     |          | 0.0001%                     | 0.0001%                        |                                  |
| 293919  | Alkaloids of opium, their derivatives and salts thereof, nos                     | 8,045,827   |          | 0.0011%                     | 0.0022%                        |                                  |
| 293920  | Alkaloids of cinchona and their derivatives; salts thereof                       | 71,981      |          | 0.0000%                     | 0.0000%                        |                                  |
| 293930  | Caffeine and its salts   | 2,207,640   |          | 0.0003%                     | 0.0006%                        |                                  |
| 293941  | Ephedrine and its salts  | 36,743      |          | 0.0000%                     | 0.0000%                        |                                  |
| 293942  | Pseudoephedrine and its salts  | 2,056       |          | 0.0000%                     | 0.0000%                        |                                  |
| 293943  | Cathine and its salts  | -           |          | 0.0000%                     | 0.0000%                        |                                  |
| 293944  | Norephedrine and its salts   | 1,866       |          | 0.0000%                     | 0.0000%                        |                                  |
| 293945  | Levometamfetamine, metamfetamine (INN), metamfetamine racemate and their salts   | -           |          | 0.0000%                     | 0.0000%                        |                                  |
| 293949  | Ephedrinos and their salts, nos  | 2,344       |          | 0.0000%                     | 0.0000%                        |                                  |
| 293951  | Fenetylline and its salts  | -           |          | 0.0000%                     | 0.0000%                        |                                  |
| 293959  | Theophylline and aminophylline, their derivatives and their salts, nos           | 7,074       |          | 0.0000%                     | 0.0000%                        |                                  |
| 293961  | Ergometrine and its salts  | -           |          | 0.0000%                     | 0.0000%                        |                                  |
| 293962  | Ergotamine and its salts   | 1,458       |          | 0.0000%                     | 0.0000%                        |                                  |
| 293963  | Lysergic acid and its salts  | -           |          | 0.0000%                     | 0.0000%                        |                                  |
| 293969  | Alkaloids of rye ergot, their derivatives and salts thereof, nos                 | 37,314      |          | 0.0000%                     | 0.0000%                        |                                  |
| 293972  | Cocaine,ecgonine,nat/repro by synthesis,salts,esters & other derivatives thereof | 3,106       |          | 0.0000%                     | 0.0000%                        |                                  |
| 293979  | Alkaloids, of veg origin, nos,nat/repro by synthesis,salts,ethers,esters,o deriv | 286,257     |          | 0.0000%                     | 0.0001%                        |                                  |
| 293980  | Alkaloids, natural/reproduced by synthesis,salts,ethers,esters,o derivatives,nos | 95,782      |          | 0.0000%                     | 0.0000%                        |                                  |
| 2940    | Sugars, chemically pure, their ethers, acetals, esters and their salts           | 11,605,188  |          | 0.0015%                     | 0.0031%                        | 27.8%                            |
| 2941    | Antibiotics  | 4,933,394   |          | 0.0007%                     | 0.0013%                        | 2.3%                             |
| 294110  | Penicillins and their derivatives and their salts                                | 495,107     |          | 0.0001%                     | 0.0001%                        |                                  |
| 294120  | Streptomycins, their derivatives and their salts                                 | 355,663     |          | 0.0000%                     | 0.0001%                        |                                  |
| 294130  | Tetracyclinos, their derivatives and their salts                                 | 53,955      |          | 0.0000%                     | 0.0000%                        |                                  |
| 294140  | Chloramphenicol, its derivatives and salts thereof                               | 3,353       |          | 0.0000%                     | 0.0000%                        |                                  |
| 294150  | Erythromycin, its derivatives and salts thereof                                  | 260,054     |          | 0.0000%                     | 0.0001%                        |                                  |
| 294190  | Antibiotics, nos   | 3,765,262   |          | 0.0005%                     | 0.0010%                        |                                  |
| 2942    | Organic compounds, nos   | 13,305,898  |          | 0.0018%                     | 0.0036%                        | 35.6%                            |