

SUPPLEMENT 2

PRODUCT GROUP CODES (PGCs)

Note: Typical chemicals included in each description below are for illustrative purposes only and do not represent a complete list of all chemicals within the group, nor does it imply that specific chemicals are being declared.

Instruction for selecting the PGC for Schedule 2 and Schedule 3 declarations:

- 1) In selecting a PGC for Schedule 2 and Schedule 3 declarations, refer to the instructions on the specific declaration form.
- 2) PGC 519 is not recommended for Schedule 2 and Schedule 3 declarations.

Instructions for selecting the PGC for UDOC declarations:

- 1) Shaded PGCs are not applicable for UDOC declarations.
- 2) To aid in selecting the correct PGC, please read the Description of Chemicals and Related Products in the order listed in table below. When the first one matches your declarable UDOC or group of UDOCs, select corresponding PGC in the right column.
- 3) Select the PGC(s) which best describes the UDOC production that makes the plant site declarable, rather than describe the ultimate end products manufactured at the plant site.
- 4) Only one PGC should be selected for each UDOC or group of UDOCs.
- 5) A specific declarable chemical, a chemical family, or a group of chemicals can often be described by a single PGC code. Several UDOCs belonging to a chemical family that are described by the same PGC code are considered a 'group of UDOCs.' For a plant site having multiple declarable UDOCs belonging to different PGC codes, select all relevant PGCs for the plant site, up to a maximum of five.

Description of Chemicals and Related Products	PGC
Methanol, ethanol, urea, formaldehyde, ethyl <i>tert</i> -butyl ether (ETBE) methyl <i>tert</i> -butyl ether (MTBE), surfactants based on sulfonic acids and fatty acid salts	519
Heterocyclic compounds (except cyclic ethers), and sulfonamides Typical chemicals include: thiophene and N-butyl benzene sulfonamide	515
Nitrogen-function compounds, except urea (see Code 519) Typical chemicals include: octylated diphenylamine, nonylated diphenylamine, ethylenediamine, cyclohexylamine, aniline, 1,3-diaminocyclohexane, diphenylamine, azodicarbonamide, toluene diisocyanate, organic cyanides, methylene diphenyl isocyanate, acrylonitrile	514
Salts and peroxy salts, of inorganic acids; metal complexes of organic and inorganic ligands Typical chemicals include: sodium cyanide, ammonium cyanide, ammonium carbonate, ammonium bicarbonate, iron pentacarbonyl and metal complexes of triphenylphosphine	523

<p>Carboxylic acids and their esters, anhydrides, acyl halides, peroxides and peroxyacids; their halogenated, sulfonated, nitrated or nitrosated derivatives and their salts</p> <p>Typical chemicals include: acetic acid and its salts, formic acid, its salts and esters, lactic acid, tartaric acid, citric acid and their salts and esters, isophthaloyl chloride, terephthaloyl chloride, methyl acetate, ethyl acetate, <i>n</i>-butyl acetate, malic acid, fumaric acid, maleic anhydride, phthalic anhydride, acetic anhydride, heptafluorobutyric peroxyacid, bis(dodecafluoroheptanoyl) peroxide</p>	513
<p>Alcohols, phenols, phenol-alcohols, and their halogenated, sulfonated, nitrated or nitrosated derivatives, except ethanol and methanol (see Code 519)</p> <p>Typical chemicals include: fatty alcohols, glycerol, propanol, butanol, D-glucitol (sorbitol), phenol</p>	512
<p>Hydrocarbons and their halogenated, sulfonated, nitrated or nitrosated derivatives</p> <p>Typical chemicals include: aliphatic hydrocarbons as ethylene, propylene, butylene; cyclic hydrocarbons as benzene, toluene, xylene, ethylbenzene, cumene; ethylene dichloride, vinyl chloride, trichloroethylene, 1-chlorododecane, tetrafluorethylene, nitrobenzene, 2,4-dinitrotoluene, hexafluoropropene</p>	511
<p>Organometallic compounds</p> <p>Typical chemicals include: dichloro(cycloocta-1,5-diene)platinum(II), phenylsilver, butyllithium</p>	524
<p>Insecticides, rodenticides, fungicides, herbicides, anti-sprouting products and plant-growth regulators, disinfectants and similar products, put up in forms or packings for retail sale or as preparations or articles (e.g. sulfur-treated bands, wicks and candles, and fly papers)</p> <p>Typical chemicals include: cypermethrin, glyphosate and derivatives, acephate, methamidophos, pyrethroid, dimethoate, malathion, triazoles, parathion, trifluralin, atrazine, diuron (DCMU), endosulfan, phenoxy family herbicides, propanil, sulfosulfuron, fipronil, chloramine-T, phoxim, zineb, tebuconazole, monocrotophos, diquat, paraquat, acifluorfen, lactofen, clomazone, thiocarbamates and dithiocarbamates.</p>	591
<p>Medicinal and pharmaceutical products, including drug substances and active pharmaceutical ingredients other than medicaments of Group 542</p> <p>Typical chemicals include: cephalosporins, amino acid derivatives, synthetic glycosides, atracurium besilate, alkylidene nitrile, tinidazole, nimesulide, butoconazole, flutamide, famotidine, penicillins or derivatives, streptomycins or derivatives, other antibiotics, synthetic insulin, phenothiazine compounds</p>	541
<p>Medicaments (including veterinary medicaments)</p>	542
<p>Synthetic organic colouring matter and colour lakes, and preparations based thereon</p> <p>Typical chemicals include: azo based dyes, naphthazarine based dyes (dibromonaphthazarins), triphenylmethane dyes (TPM), quinoline, anthraquinone, pyrene, sulfanilic acid, fluorescent brightening agents, luminophores</p>	531
<p>Dyeing and tanning extracts, and synthetic tanning materials</p>	532

Pigments, paints, varnishes and related materials	533
Essential oils, perfume and flavour materials	551
Perfumery, cosmetic or toilet preparations (excluding soaps)	553
Soap, cleansing and polishing preparations, except surfactants based on sulfonic acids and fatty acid salts (see Code 519)	554
Prepared additives for mineral oils and the like; prepared liquids for hydraulic transmission; anti-freezing preparations and prepared de-icing fluids; lubricating preparations Typical chemicals include: di-2-ethylhexyl carbonate, di-3,5,5-trimethylhexyl carbonate	597
Explosives and pyrotechnic products	593
Other organic chemicals, except formaldehyde, ethyl <i>tert</i> -butyl ether (ETBE) and methyl <i>tert</i> -butyl ether (MTBE) (see Code 519)	516
Not recommended for UDOC declarations	PGC
Inorganic chemical elements, oxides and halogen salts	522
Radioactive and associated materials	525
Synthetic Fertilizers	562
Polymers of ethylene, in primary forms	571
Polymers of styrene, in primary forms	572
Polymers of vinyl chloride or of other halogenated olefins in primary forms	573
Polyacetals, other polyethers and epoxide resins, in primary forms; Polycarbonates, alkyd resins, polyallyl esters and other polyesters	574
Other plastics, in primary forms	575
Waste, parings and scrap, of plastics	579
Tubes, pipes and hoses, and fittings therefor, of plastics	581
Plates, sheets, film, foil and strip, of plastics	582
Monofilament of which any cross-sectional dimension exceeds 1 mm, rods, sticks and profile shapes, whether or not surface-worked but not otherwise worked, of plastics	583
Starches, inulin and wheat gluten; albuminoidal substances; glues	592
Miscellaneous chemical products	598
Others	599