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## FORM D4: ANNUAL DECLARATIONS FOR PAST ACTIVITIES INVOLVING UNSCHEDULED DISCRETE ORGANIC CHEMICAL

### GENERAL INSTRUCTIONS

- ◆ All relevant forms for this application must be submitted together with the NA(CWC) Declaration Cover Certification Form.
- ◆ All sections must be completed. Where not applicable, please specify "N.A.". Any incomplete or illegible application will not be accepted.
- ◆ A chemical of a different concentration / purity should be submitted in separate forms.
- ◆ Please duplicate the form as required.
- ◆ This form may take you 15 minutes to fill in. You will need the following information to fill in the form:
  - Details of Other Chemical Production Facility (i.e. Facility Producing Unscheduled Discrete Organic Chemical (DOC))
  - Details of the DOC
  - Flow Process and Block Diagram Involved in the Production of the DOC
  - MSDS or other necessary documents for the DOC

FORMS	PURPOSE
Form D4	Declaration Details of Other Chemical Production Facility
Form D4.1	Declaration Details of Plant in Other Chemical Production Facility
Form D4.2	Declaration of Chemical Activity of DOC at Declared Facility



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## UNSCHEDULED DISCRETE ORGANIC CHEMICAL DECLARATION

### FORM D4: DECLARATION OF OTHER CHEMICAL PRODUCTION FACILITY

Please provide the following information on the Plant Site involved in the production of any Discrete Organic Chemical (DOC).

(1) Name of Plant Site:

(2) Name of Owner, Company or Enterprise operating the Plant Site:

(3) Please provide the location of Plant Site:

Street Address

Building Number :  
(if any)

(4) Please indicate which types of Product Group Codes best describe the main activities in the Plant Site:  
(Please refer to the Product Group Codes on back page)

(5) Total number of Plants at the Plant Site producing  
DOCs, including PSF containing DOCs:  
(Please refer to the definitions of DOC and PSF-containing DOC on  
back page)

(6) Total quantity of DOCs, including PSF containing  
DOCs produced:

TNE

(7) Total number of Plants at the Plant Site producing only PSF-containing DOC:

(8) Declarant's Signature:

(9) Date (dd/mm/yyyy)

(10) Company Stamp



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## UNSCHEDULED DISCRETE ORGANIC CHEMICAL DECLARATION

### FORM D4.1: DECLARATION OF PLANT IN OTHER CHEMICAL PRODUCTION FACILITY

Please provide the following information on the Plant involved in the production of any Discrete Organic Chemical (DOC).

Please duplicate form as required.

(1) Name of Plant:

(2) Please provide the precise location of the Plant within the Plant Site:

Street Address

(if different from Form D4)

Specific Building/  
Structure Number:

(if any)

(3) Is the above Plant producing PSF containing DOC only? (Please refer to the definition of PSF-containing DOC on back page)

No

Yes

(4) Total quantity of PSF containing DOCs produced by the Plant:

(Please refer to the definition of PSF-containing DOC on back page)

(5) Is there any additional information on this plant to be submitted on a voluntary basis as attachments?

No

Yes, this is attached as Annex (      pages, excluding this cover)

(6) Declarant's Signature:

(7) Date (dd/mm/yyyy)

(8) Company Stamp



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## UNSCHEDULED DISCRETE ORGANIC CHEMICAL DECLARATION

### FORM D4.2: DECLARATION OF CHEMICAL ACTIVITY OF DOC AT DECLARED FACILITY

Submit this form on each declared Unscheduled Discrete Organic Chemical (DOC) produced at a declared Other Chemical Production Facility.

Please duplicate form as required.

(1) Name of Chemical: (2) Common Trade Name (Please indicate as "N.A." if not available):

(3) Percentage Purity: (4) CAS Registry No.:

(5) Chemical Structure: (Please describe briefly the chemical reaction and / or provide block diagrams for the production of this chemical)

(6) Please indicate the type of DOC for this chemical: (Only one box should be indicated)  
(Please refer to the definitions of Non-PSF containing DOC and PSF-containing DOC on back page)

Non-PSF containing DOC

PSF containing DOC

#### PRODUCTION

(7) Quantity Produced:

TNE

(8) What is the DOC produced for?

(a)  As an intermediate for another chemical

(Please provide the details for the other chemical produced.)

IUPAC Chemical Name: \_\_\_\_\_

CAS Registry No.: \_\_\_\_\_

(9) Plant Name / Number for production of this DOC:

(b)  As a final product

(c)  Other purposes

Please specify: \_\_\_\_\_

(10) Was there any Schedule 1, 2 or 3 Chemicals used in the production of this DOC?

No

Yes. Please provide the following details:

IUPAC Chemical Name: \_\_\_\_\_

CAS Registry No: \_\_\_\_\_

Type of Schedule:  Schedule 1  Schedule 2  Schedule 3

(11) Was there any Schedule 1, 2 or 3 Chemicals produced in the production of this DOC?

No

Yes. Please provide the following details:

IUPAC Chemical Name: \_\_\_\_\_

CAS Registry No: \_\_\_\_\_

Type of Schedule:  Schedule 1  Schedule 2  Schedule 3

(12) Declarant's Signature:

(13) Date (dd/mm/yyyy)

(14) Company Stamp

Note:

### Unscheduled Discrete Organic Chemicals (DOCs)

Refers to any chemical belonging to the class of chemical compounds consisting of all compounds of carbon except for its oxides, sulfides and metal carbonates. They are identifiable by chemical name, structural formula (if known) and Chemical Abstracts Services (CAS) Registry Number (if assigned)

There are 2 types of unscheduled DOCs:

#### - PSF containing

DOCs containing the elements Phosphorus, Sulfur and / or Fluorine

#### - Non-PSF containing

DOCs that do not contain the elements Phosphorus, Sulfur and / or Fluorine

E.g.: *Acetone is a non-PSF containing DOCs;*

*Carbon dioxide and Calcium carbonate are not DOCs;*

*Fluoromethane is a PSF-containing DOCs.*

\*Please refer to the following list for the **Product Group Codes** that best describes the main activities in the Plant:

Code	Description (Chemicals and related products)
	Hydrocarbons and their halogenated, sulphonated, nitrated or nitrosated derivatives
511	Typical chemicals include: aliphatic hydrocarbons as ethylene, propylene, butylene etc., cyclic hydrocarbons as benzene, toluene, xylene, ethylbenzene, cumene, ethylene dichloride, vinyl chloride, trichloroethylene, chlorododecane, tetrafluoroethylene, nitrobenzene, di-nitrotoluene, hexafluoropropene
512	Alcohols, phenols, phenol-alcohols, and their halogenated, sulphonated, nitrated or nitrosated derivatives, except Methanol (see Code 519)  Typical chemicals include: glycerol, ethanol, propanol, butanol etc., phenol, ethambutol hydrochloride
513	Carboxylic acids and their anhydrides, halides, peroxides and peroxyacids; their halogenated, sulphonated, nitrated or nitrosated derivatives  Typical chemicals include: Isophthaloyl chloride, terephthaloyl chloride, methyl acetate, ethyl acetate, N-butyl acetate, malic acid, fumaric acid, maleic anhydride, phthalic anhydride, acetic anhydride, heptafluorobutyl peroxide, dodecafluoroheptanoyl peroxide
514	Nitrogen-function compounds, except Urea (see Code 519)  Typical chemicals include: octylated diphenylamine, nonylated diphenylamine, ethylenediamine, cyclohexylamine, aniline, 1,3-diaminocyclohexane, diphenylamine, azodicarbonamide, toluene di-isocyanate, organic cyanides, methylene difenyl isocyanate
515	Organo-inorganic compounds, heterocyclic compounds, nucleic acids and their salts, and sulphonamides  Typical chemicals include: aromatic sulfonium salts, butyllithium, trimethyl borate, metal complexes of triphenyl phosphate
516	Other organic chemicals, except Formaldehyde & Methyl tert-butyl ether (MTBE) (see Code 519)  Typical chemicals include: ethers, dialkyl peroxides, methylethylketone, furfural, dimethyl phosphate, sodium dimethyl dithiocarbamate, tetra alkyl thiuramdisulfide, trimethyl phosphate, ethyl tert-butyl ether (ETBE)
519	Methanol, urea, formaldehyde, methyl tert-butyl ether (MTBE), detergents produced by neutralisation of sulfonic acids and soap produced by saponification of a fatty acid
522	Inorganic chemical elements, oxides and halogen salts
523	Metal salts and peroxy salts, of inorganic acids  Typical chemicals include: sodium cyanide, ammonium cyanide, ammonium carbonate, ammonium bicarbonate, hexacarbonyliron
524	Other inorganic chemicals; organic and inorganic compounds of precious metals
525	Radioactive and associated materials
531	Synthetic organic colouring matter and colour lakes, and preparations based thereon  Typical chemicals include: azo based dyes, naphthazarine based dyes (dibromonaphthazarin), triphenyl methane dyes (TPM), quinoline, anthraquinone, pyrene, sulfanilic acid, fluorescent brightening agents, luminophores
532	Dyeing and tanning extracts, and synthetic tanning materials
533	Pigments, paints, varnishes and related materials
541	Medicinal and pharmaceutical products, other than medicaments of Group 542  Typical chemicals include: cephalosporins, amino acid derivatives, synthetic glycosides, atracurium besilate, diketone, alkylidene nitrile, lactone, tinidazole, nimesulide, butoconazole, flutamide, famotidine, penicillin or derivatives, streptomycins or derivatives, other antibiotics, synthetic insulin, phenothiazine compounds
542	Medicaments (including veterinary medicaments)
551	Essential oils, perfume and flavour materials

553	Perfumery, cosmetic or toilet preparations (excluding soaps)
554	Soap, cleansing and polishing preparations except Detergents produced by neutralisation of sulfonic acids & Soap produced by saponification of a fatty acid (see Code 519)
562	Synthetic fertilisers
571	Polymers of ethylene, in primary forms
572	Polymers of styrene, in primary forms
573	Polymers of vinyl chloride or of other halogenated olefins in primary forms
574	Polyacetals, other polyethers and epoxide resins, in primary forms; Polycarbonates, alkyd resins, polyallyl esters and other polyesters
575	Other plastics, in primary forms
579	Waste, parings and scrap, of plastics
581	Tubes, pipes and hoses, and fittings therefor, of plastics
582	Plates, sheets, film, foil and strip, of plastics
583	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
591	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. sulphur-treated bands, wicks and candles, and fly papers)  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, parathion, methamidophos, acephate, chloramine-T, trifluralin, phoxim, zineb, tebuconazole, monocrotophos, diquat, paraquat, acifluorfen, lactofen, clomazone
592	Starches, inulin and wheat gluten; albuminoidal substances; glues
593	Explosives and pyrotechnic products
597	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
598	Miscellaneous chemical products
599	Others