



SAFETY DATA SHEET CAFLON PINE FLOOR GEL

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name CAFLON PINE FLOOR GEL

Product number 14555

Synonyms; trade names DP105

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Detergent.

1.3. Details of the supplier of the safety data sheet

Supplier Univar Solutions UK Ltd
Aquarius House
6 Mid Point Business Park
Bradford
BD3 7AY
+44 1274 267300
+44 1274 267306
SDS.EMEA@univarsolutions.com

1.4. Emergency telephone number

Emergency telephone SGS - +32 (0)3 575 55 55 (24h)

Sds No. 14555

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Not Classified

Health hazards Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Skin Sens. 1 - H317

Environmental hazards Aquatic Chronic 2 - H411

2.2. Label elements

Hazard pictograms



Signal word Danger

Hazard statements

H315 Causes skin irritation.

H318 Causes serious eye damage.

H317 May cause an allergic skin reaction.

H411 Toxic to aquatic life with long lasting effects.

CAFLON PINE FLOOR GEL

Precautionary statements

P261 Avoid breathing vapour/ spray.
P273 Avoid release to the environment.
P302+P352 IF ON SKIN: Wash with plenty of water.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501 Dispose of contents/ container in accordance with national regulations.

Contains

COCO DIETHEANOLAMIDE, C13-15 ALCOHOL ETHOXYLATE 7EO,
HYDROCARBONS, TERPENE (PROCESSING BY-PRODUCT)

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

COCO DIETHEANOLAMIDE			60-100%
CAS number: —	EC number: 931-329-6	REACH registration number: 01-2119490100-53-XXXX	
Classification Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Aquatic Chronic 2 - H411			
C13-15 ALCOHOL ETHOXYLATE 7EO			10-30%
CAS number: 157627-86-6			
Classification Acute Tox. 4 - H302 Eye Dam. 1 - H318 Aquatic Chronic 3 - H412			
HYDROCARBONS,TERPENE (PROCESSING BY-PRODUCT)			5-10%
CAS number: 68956-56-9	EC number: 273-309-3	REACH registration number: 01-2119980606-28-XXXX	
Classification Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411			

The full text for all hazard statements is displayed in Section 16.

Composition comments The data shown are in accordance with the latest EC Directives.

SECTION 4: First aid measures

4.1. Description of first aid measures

CAFLON PINE FLOOR GEL

Inhalation	Move affected person to fresh air at once. Get medical attention if any discomfort continues.
Ingestion	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Rinse mouth thoroughly with water. Give plenty of water to drink. Get medical attention if any discomfort continues.
Skin contact	Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if any discomfort continues.
Eye contact	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

4.2. Most important symptoms and effects, both acute and delayed

Skin contact	Causes skin irritation. May cause an allergic skin reaction.
Eye contact	Causes serious eye damage. Prolonged contact may cause redness and/or tearing.

4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor	No specific recommendations. If in doubt, get medical attention promptly.
-----------------------------	---

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards	Oxides of the following substances: Carbon.
Hazardous combustion products	Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

5.3. Advice for firefighters

Protective actions during firefighting	Cool containers exposed to flames with water until well after the fire is out. Contain and collect extinguishing water.
---	---

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	Wear protective clothing as described in Section 8 of this safety data sheet. In case of spills, beware of slippery floors and surfaces.
-----------------------------	--

6.2. Environmental precautions

Environmental precautions	Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.
----------------------------------	---

6.3. Methods and material for containment and cleaning up

Methods for cleaning up	Absorb in vermiculite, dry sand or earth and place into containers. Wash thoroughly after dealing with a spillage. Collect and place in suitable waste disposal containers and seal securely. For waste disposal, see Section 13.
--------------------------------	---

6.4. Reference to other sections

Reference to other sections	Wear protective clothing as described in Section 8 of this safety data sheet.
------------------------------------	---

SECTION 7: Handling and storage

CAFLON PINE FLOOR GEL

7.1. Precautions for safe handling

Usage precautions Avoid spilling. Avoid contact with skin and eyes. Avoid inhalation of vapours and spray/mists. Provide adequate ventilation.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Keep container tightly closed, in a cool, well ventilated place. Keep away from heat, sparks and open flame.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Ingredient comments No exposure limits known for ingredient(s).

COCO DIETHEANOLAMIDE

DNEL	Industry - Dermal; Long term systemic effects: 4.16
	Industry - Dermal; Long term local effects: 0.09
	Industry - Inhalation; Long term systemic effects: 73.4 mg/m ³
	Consumer - Inhalation; Long term systemic effects: 21.7 mg/m ³
	Consumer - Dermal; Long term local effects: 0.056
	Consumer - Oral; Long term systemic effects: 6.25
PNEC	- Fresh water; 0.007 mg/l
	- marine water; 0.0007 mg/l
	- Intermittent release; 0.024 mg/l
	- Sediment; 0.0424 mg/kg
	- Soil; 0.0189 mg/kg
	- STP; 830 mg/l

C13-15 ALCOHOL ETHOXYLATE 7EO (CAS: 157627-86-6)

Ingredient comments No exposure limits known for ingredient(s).

HYDROCARBONS, TERPENE (PROCESSING BY-PRODUCT) (CAS: 68956-56-9)

DNEL	Workers - Inhalation; Long term systemic effects: 2.9 mg/m ³
	Workers - Dermal; Long term systemic effects: 0.8 mg/kg/day
	General population - Dermal; Long term systemic effects: 0.3 mg/kg/day
	General population - Inhalation; Long term systemic effects: 0.7 mg/kg/day
	General population - Oral; Long term systemic effects: 0.3 mg/kg/day
PNEC	Fresh water; 2.1 µg/l
	marine water; 0.21 µg/l
	STP; 6.4 mg/l
	Sediment (Freshwater); 0.542 mg/kg
	Sediment (Marinewater); 54.2 mg/kg
	Soil; 110 µg/l

8.2. Exposure controls

CAFLON PINE FLOOR GEL

Protective equipment



Eye/face protection

The following protection should be worn: Chemical splash goggles. Personal protective equipment for eye and face protection should comply with European Standard EN166.

Hand protection

The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. Wear protective gloves made of the following material: Neoprene. Nitrile rubber. Rubber (natural, latex). To protect hands from chemicals, gloves should comply with European Standard EN374.

Other skin and body protection

Wear rubber apron. Wear rubber footwear.

Respiratory protection

If ventilation is inadequate, suitable respiratory protection must be worn. EN 136/140/141/145/143/149

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Clear liquid.
Colour	Yellow. to Amber.
Odour	Characteristic.
Odour threshold	No information available.
pH	pH (concentrated solution): 10
Melting point	Not determined.
Initial boiling point and range	100°C
Flash point	88°C Closed cup.
Evaporation rate	Not applicable.
Evaporation factor	No information available.
Flammability (solid, gas)	No information available.
Upper/lower flammability or explosive limits	No information available.
Other flammability	No information available.
Vapour pressure	Not applicable.
Vapour density	Not applicable.
Relative density	1.0 @ 20°C
Bulk density	No information available.
Solubility(ies)	Soluble in water.
Partition coefficient	No information available.
Auto-ignition temperature	Not determined.
Decomposition Temperature	Not determined.

CAFLON PINE FLOOR GEL

Viscosity	300 cP @ 20°C
Explosive properties	Not applicable.
Explosive under the influence of a flame	No information available.
Oxidising properties	Not determined.
<u>9.2. Other information</u>	
Other information	Not determined.
Refractive index	No information available.
Particle size	No information available.
Molecular weight	No information available.
Volatility	No information available.
Saturation concentration	No information available.
Critical temperature	No information available.
Volatile organic compound	No information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	There are no known reactivity hazards associated with this product.
------------	---

10.2. Chemical stability

Stability	Stable at normal ambient temperatures and when used as recommended.
-----------	---

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	Not determined.
------------------------------------	-----------------

10.4. Conditions to avoid

Conditions to avoid	Avoid excessive heat for prolonged periods of time.
---------------------	---

10.5. Incompatible materials

Materials to avoid	Not determined.
--------------------	-----------------

10.6. Hazardous decomposition products

Hazardous decomposition products	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Oxides of carbon. Oxides of nitrogen.
----------------------------------	--

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

ATE oral (mg/kg)	3,703.7
------------------	---------

Skin corrosion/irritation

Skin corrosion/irritation	May cause skin irritation.
---------------------------	----------------------------

Serious eye damage/irritation

Serious eye damage/irritation	Causes serious eye damage.
-------------------------------	----------------------------

Respiratory sensitisation

CAFLON PINE FLOOR GEL

Respiratory sensitisation No information available.

Skin sensitisation

Skin sensitisation May cause an allergic skin reaction.

Germ cell mutagenicity

Genotoxicity - in vitro No information available.

Carcinogenicity

Carcinogenicity No information available.

Reproductive toxicity

Reproductive toxicity - fertility No information available.

Specific target organ toxicity - single exposure

STOT - single exposure No information available.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure No information available.

Aspiration hazard

Aspiration hazard No information available.

Inhalation Gas or vapour in high concentrations may irritate the respiratory system. Symptoms following overexposure may include the following: Coughing.

Ingestion Gastrointestinal symptoms, including upset stomach.

Skin contact Irritating to skin. May cause sensitisation by skin contact.

Eye contact Causes serious eye damage.

Toxicological information on ingredients.

COCO DIETHEANOLAMIDE

Acute toxicity - oral

Notes (oral LD₅₀) LD₅₀ > 2000 mg/kg, Oral, Rat

Acute toxicity - dermal

Notes (dermal LD₅₀) LD₅₀ > 2000 mg/kg, Dermal, Rabbit

Skin corrosion/irritation

Animal data Moderately irritating. Rabbit

Serious eye damage/irritation

Serious eye damage/irritation Severely irritating to skin. Rabbit

Skin sensitisation

Skin sensitisation Not sensitising. Guinea pig

Germ cell mutagenicity

Genotoxicity - in vitro Bacterial reverse mutation test: Negative.

C13-15 ALCOHOL ETHOXYLATE 7EO

Acute toxicity - oral

CAFLON PINE FLOOR GEL

ATE oral (mg/kg) 500.0

Skin corrosion/irritation

Skin corrosion/irritation No information available.

Serious eye damage/irritation

Serious eye damage/irritation Causes serious eye damage.

Respiratory sensitisation

Respiratory sensitisation No information available.

Skin sensitisation

Skin sensitisation Data lacking.

Germ cell mutagenicity

Genotoxicity - in vitro Data lacking.

Carcinogenicity

Carcinogenicity Data lacking.

Reproductive toxicity

Reproductive toxicity - fertility Data lacking.

Specific target organ toxicity - single exposure

STOT - single exposure Data lacking.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure Data lacking.

Aspiration hazard

Aspiration hazard No information available.

Inhalation Gas or vapour in high concentrations may irritate the respiratory system.

Ingestion Harmful if swallowed.

Skin contact May cause defatting of the skin but is not an irritant.

Eye contact Causes serious eye damage.

HYDROCARBONS, TERPENE (PROCESSING BY-PRODUCT)

Skin corrosion/irritation

Skin corrosion/irritation Causes skin irritation.

Serious eye damage/irritation

Serious eye damage/irritation Causes serious eye irritation.

Respiratory sensitisation

Respiratory sensitisation No information available.

Skin sensitisation

CAFLON PINE FLOOR GEL

Skin sensitisation	May cause an allergic skin reaction.
<u>Germ cell mutagenicity</u>	
Genotoxicity - in vitro	No information available.
<u>Carcinogenicity</u>	
Carcinogenicity	No information available.
<u>Reproductive toxicity</u>	
Reproductive toxicity - fertility	No information available.
Reproductive toxicity - development	No information available.
<u>Specific target organ toxicity - single exposure</u>	
STOT - single exposure	May cause damage to organs .
<u>Specific target organ toxicity - repeated exposure</u>	
STOT - repeated exposure	No information available.
<u>Aspiration hazard</u>	
Aspiration hazard	May be fatal if swallowed and enters airways.
Inhalation	Gas or vapour in high concentrations may irritate the respiratory system.
Ingestion	May be fatal if swallowed and enters airways.
Skin contact	Causes skin irritation. May cause an allergic skin reaction.
Eye contact	May cause temporary eye irritation.

SECTION 12: Ecological information

Ecotoxicity Toxic to aquatic life with long lasting effects.

Ecological information on ingredients.

C13-15 ALCOHOL ETHOXYLATE 7EO

Ecotoxicity Harmful to aquatic life with long lasting effects.

HYDROCARBONS, TERPENE (PROCESSING BY-PRODUCT)

Ecotoxicity Toxic to aquatic life with long lasting effects.

12.1. Toxicity

Toxicity Toxic to aquatic life.

Ecological information on ingredients.

COCO DIETHEANOLAMIDE

Acute aquatic toxicity

Acute toxicity - fish LC50, 96 hours: 2.4 mg/l,

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 3.2 mg/l, Daphnia magna

CAFLON PINE FLOOR GEL

Acute toxicity - aquatic plants EC₅₀, 72 hours: 18.6 mg/l, Freshwater algae

Chronic aquatic toxicity

Chronic toxicity - fish early life stage NOEC, 28 days: 0.32 mg/l,

Chronic toxicity - aquatic invertebrates NOEC, 21 days: 0.07 mg/l, Daphnia magna

C13-15 ALCOHOL ETHOXYLATE 7EO

Toxicity Harmful to aquatic life.

Acute aquatic toxicity

Acute toxicity - fish LC₅₀, 96 hours: 1-10 mg/l, Fish

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 1 - 10 mg/l, Daphnia magna

Acute toxicity - aquatic plants EC₅₀, 72 hours: 1 - 10 mg/l,

HYDROCARBONS, TERPENE (PROCESSING BY-PRODUCT)

Toxicity Toxic to aquatic life.

Acute aquatic toxicity

Acute toxicity - fish EC₅₀, 96 hours: 5.07 mg/l, Brachydanio rerio (Zebra Fish) OECD 203

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 2.1 mg/l, Daphnia magna OECD 202

Acute toxicity - aquatic plants ErC₅₀, 72 hours: 4.779 mg/l, Algae OCED 204

12.2. Persistence and degradability

Persistence and degradability The surfactant(s) contained in this product complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them at their direct request, or at the request of a detergent manufacturer.

Ecological information on ingredients.

COCO DIETHEANOLAMIDE

Biodegradation - Degradation (%) 92.5: 28 days

C13-15 ALCOHOL ETHOXYLATE 7EO

Persistence and degradability The product is readily biodegradable. This surfactant complies with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them at their direct request, or at the request of a detergent manufacturer.

CAFLON PINE FLOOR GEL

Biodegradation - Degradation 60: > 28 days
OECD 301B

HYDROCARBONS, TERPENE (PROCESSING BY-PRODUCT)

Persistence and degradability Not readily biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

Partition coefficient No information available.

Ecological information on ingredients.

COCO DIETHEANOLAMIDE

Bioaccumulative potential BCF: 65.36,

Partition coefficient log Pow: 3.75

C13-15 ALCOHOL ETHOXYLATE 7EO

Bioaccumulative potential The product does not contain any substances expected to be bioaccumulating.

Partition coefficient No information available.

HYDROCARBONS, TERPENE (PROCESSING BY-PRODUCT)

Bioaccumulative potential BCF: 855.7, Fish

Partition coefficient No information available.

12.4. Mobility in soil

Mobility The product is soluble in water.

Ecological information on ingredients.

C13-15 ALCOHOL ETHOXYLATE 7EO

Mobility The product is miscible with water and may spread in water systems.

HYDROCARBONS, TERPENE (PROCESSING BY-PRODUCT)

Mobility Not determined.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

Ecological information on ingredients.

C13-15 ALCOHOL ETHOXYLATE 7EO

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current EU criteria.

HYDROCARBONS, TERPENE (PROCESSING BY-PRODUCT)

CAFLON PINE FLOOR GEL

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current EU criteria.

12.6. Other adverse effects

Other adverse effects Not determined.

Ecological information on ingredients.

C13-15 ALCOHOL ETHOXYLATE 7EO

Other adverse effects Not known.

HYDROCARBONS, TERPENE (PROCESSING BY-PRODUCT)

Other adverse effects None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information Waste is classified as hazardous waste. Do not puncture or incinerate, even when empty.

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

SECTION 14: Transport information

General Wear protective clothing as described in Section 8 of this safety data sheet.

14.1. UN number

UN No. (ADR/RID) 3082

UN No. (IMDG) 3082

UN No. (ICAO) 3082

UN No. (ADN) 3082

14.2. UN proper shipping name

Proper shipping name (ADR/RID) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS COCO DIETHEANOLAMIDE, HYDROCARBONS, TERPENE (PROCESSING BY-PRODUCT))

Proper shipping name (IMDG) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS COCO DIETHEANOLAMIDE, HYDROCARBONS, TERPENE (PROCESSING BY-PRODUCT))

Proper shipping name (ICAO) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS COCO DIETHEANOLAMIDE, HYDROCARBONS, TERPENE (PROCESSING BY-PRODUCT))

Proper shipping name (ADN) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS COCO DIETHEANOLAMIDE, HYDROCARBONS, TERPENE (PROCESSING BY-PRODUCT))

14.3. Transport hazard class(es)

ADR/RID class 9

ADR/RID classification code M6

ADR/RID label 9

IMDG class 9

ICAO class/division 9

ADN class 9

CAFLON PINE FLOOR GEL

Transport labels



14.4. Packing group

ADR/RID packing group	III
IMDG packing group	III
ICAO packing group	III
ADN packing group	III

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant



14.6. Special precautions for user

EmS	F-A, S-F
ADR transport category	3
Emergency Action Code	•3Z
Hazard Identification Number (ADR/RID)	90
Tunnel restriction code	(-)

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU legislation	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended). Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended). Commission Regulation (EU) No 2015/830 of 28 May 2015. Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents (as amended).
Restrictions (Annex XVII Regulation 1907/2006)	This product is/contains a substance that is included in REGULATION (EC) No 1907/2006 (REACH) ANNEX XVII - RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, MIXTURES AND ARTICLES. Entry number: 3

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

CAFLON PINE FLOOR GEL

SECTION 16: Other information

Abbreviations and acronyms used in the safety data sheet	ATE: Acute Toxicity Estimate. ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road. ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways. CAS: Chemical Abstracts Service. DNEL: Derived No Effect Level. IATA: International Air Transport Association. IMDG: International Maritime Dangerous Goods. Kow: Octanol-water partition coefficient. LC₅₀: Lethal Concentration to 50 % of a test population. LD₅₀: Lethal Dose to 50% of a test population (Median Lethal Dose). PBT: Persistent, Bioaccumulative and Toxic substance. PNEC: Predicted No Effect Concentration. REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006. RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail. vPvB: Very Persistent and Very Bioaccumulative. IARC: International Agency for Research on Cancer. MARPOL 73/78: International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. cATpE: Converted Acute Toxicity Point Estimate. BCF: Bioconcentration Factor. BOD: Biochemical Oxygen Demand. EC₅₀: 50% of maximal Effective Concentration. LOAEC: Lowest Observed Adverse Effect Concentration. LOAEL: Lowest Observed Adverse Effect Level. NOAEC: No Observed Adverse Effect Concentration. NOAEL: No Observed Adverse Effect Level. NOEC: No Observed Effect Concentration. LOEC: Lowest Observed Effect Concentration. DMEL: Derived Minimal Effect Level. EL50: Exposure Limit 50 hPa: Hectopascal LL50: Lethal Loading fifty OECD: Organisation for Economic Co-operation and Development POW: Octanol-water partition coefficient SCBA: self-contained breathing apparatus STP: Sewage Treatment Plant VOC: Volatile Organic Compounds
Classification abbreviations and acronyms	Acute Tox. = Acute toxicity Aquatic Acute = Hazardous to the aquatic environment (acute) Aquatic Chronic = Hazardous to the aquatic environment (chronic)
Key literature references and sources for data	Supplier's information.
Classification procedures according to Regulation (EC) 1272/2008	Skin Irrit. 2 - H315: Calculation method. Skin Sens. 1 - H317: Calculation method. Eye Dam. 1 - H318: Calculation method. Aquatic Chronic 2 - H411: Calculation method.
Revision comments	NOTE: Lines within the margin indicate significant changes from the previous revision.

CAFLON PINE FLOOR GEL

Revision date	19/04/2022
Version number	3.000
Supersedes date	06/10/2021
SDS number	14555
SDS status	Approved.
Hazard statements in full	H226 Flammable liquid and vapour. H302 Harmful if swallowed. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H319 Causes serious eye irritation. H411 Toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects.
Signature	Jitendra Panchal

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.



Exposure scenario Manufacture of substance

Identification

Product name	Amides, C8-18 (even-numbered) and C18(unsatd.), N,N-bis(hydroxyethyl)
REACH registration number	01-2119490100-53-XXXX
EC number	931-329-6
Supplier	Univar Solutions UK Ltd Aquarius House 6 Mid Point Business Park Bradford BD3 7AY +44 1274 267300 +44 1274 267306 SDS.EMEA@univarsolutions.com

1. Title of exposure scenario

Main title	Manufacture of substance
Main sector	SU3 Industrial uses
Sector of use	SU8 Manufacture of bulk, large-scale chemicals (including petroleum products)

Environment

Environmental release category	ERC1 Manufacture of the substance
--------------------------------	-----------------------------------

Worker

Process category	PROC3 Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment condition PROC8b Transfer of substance or mixture (charging and discharging) at dedicated facilities
------------------	--

2. Conditions of use affecting exposure (Industrial - Environment 1)

Product characteristics

Physical state	Liquid
----------------	--------

Frequency and duration of use

Emission days: 100 days/year

Other given operational conditions affecting environmental exposure

Emission factor - air	Release fraction to air from process (initial release prior to RMM): 0.00001
Emission factor - water	Release fraction to wastewater from process (initial release prior to RMM): 0.001
Emission factor - soil	Release fraction to soil from process (initial release prior to RMM): 0

Environmental factors not influenced by risk management measures

Manufacture of substance

Dilution Local freshwater dilution factor: 35
Local marine water dilution factor: 100
Receiving surface water flow: 680000 m³/day

Risk management measures

STP type Onsite STP.

STP details Assumed onsite sewage treatment plant flow: 2000 m³/day

2. Conditions of use affecting exposure (Workers - Health 1)

Product characteristics

Physical state Liquid

Concentration details Covers concentrations up to 100 %.

Frequency and duration of use

Covers weekly exposure up to 4hours

Other given operational conditions affecting workers exposure

Temperature Assumes use at not more than 20°C above ambient temperature, unless stated differently.

Technical conditions and measures at process level (source) to prevent release

Technical protective measures Bulk transfers Handle substance within a closed system. Remotely vent displaced vapours.
Drum/batch transfers Use only in well-ventilated areas.
Equipment maintenance Retain drain downs in sealed storage pending disposal or for subsequent recycle.

Organisational measures to prevent/limit releases, dispersion and exposure

Organisational measures Assumes a good basic standard of occupational hygiene is implemented.

Risk management measures

Use suitable eye protection and gloves.
Drum/batch transfers
Wear a respirator conforming to EN140 with Type A filter or better.
Wear suitable gloves tested to EN374.
Equipment maintenance
Wear a respirator conforming to EN140 with Type A filter or better.
Wear suitable gloves tested to EN374.

3. Exposure estimation (Environment 1)

Assessment method Used EUSES model.

4. Guidance to check compliance with the exposure scenario (Environment 1)

Required removal efficiency for wastewater can be achieved using onsite/offsite technologies, either alone or in combination. Required removal efficiency for air can be achieved using onsite technologies, either alone or in combination.

3. Exposure estimation (Health 1)

Assessment method Used ECETOC TRA model.

4. Guidance to check compliance with the exposure scenario (Health 1)

Manufacture of substance

Predicted exposures are not expected to exceed the DN(M)EL when the Risk Management Measures/Operational Conditions outlined in Section 2 are implemented. Where other Risk Management Measures/Operational Conditions are adopted, then users should ensure that risks are managed to at least equivalent levels. Guidance is based on assumed operating conditions which may not be applicable to all sites, thus, scaling may be necessary to define appropriate site-specific risk management measures.



Exposure scenario

Industrial formulation of washing and cleaning products

Identification

Product name	Amides, C8-18 (even-numbered) and C18(unsatd.), N,N-bis(hydroxyethyl)
REACH registration number	01-2119490100-53-XXXX
EC number	931-329-6
Supplier	Univar Solutions UK Ltd Aquarius House 6 Mid Point Business Park Bradford BD3 7AY +44 1274 267300 +44 1274 267306 SDS.EMEA@univarsolutions.com

1. Title of exposure scenario

Main title	Industrial formulation of washing and cleaning products
Main sector	SU3 Industrial uses
Sector of use	SU10 Formulation [mixing] of preparations and/or re-packaging

Environment

Environmental release category	ERC2 Formulation into mixture
--------------------------------	-------------------------------

Worker

Process category	PROC1 Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions PROC2 Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions PROC3 Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment condition PROC4 Chemical production where opportunity for exposure arises PROC5 Mixing or blending in batch processes PROC8b Transfer of substance or mixture (charging and discharging) at dedicated facilities PROC9 Transfer of substance or mixture into small containers (dedicated filling line, including weighing)
------------------	---

2. Conditions of use affecting exposure (Industrial - Environment 1)

Product characteristics

Physical state	Liquid
----------------	--------

Frequency and duration of use

Emission days: 300 days/year

Industrial formulation of washing and cleaning products

Other given operational conditions affecting environmental exposure

Emission factor - air	Release fraction to air from process (initial release prior to RMM): 0
Emission factor - water	Release fraction to wastewater from process (initial release prior to RMM): 0.002
Emission factor - soil	Release fraction to soil from process (initial release prior to RMM): 0

Environmental factors not influenced by risk management measures

Dilution	Local freshwater dilution factor: 10 Local marine water dilution factor: 100 Receiving surface water flow: 18000 m ³ /day
----------	--

Risk management measures

STP type	Municipal STP.
STP details	Assumed onsite sewage treatment plant flow: 2000 m ³ /day

2. Conditions of use affecting exposure (Workers - Health 1)

Product characteristics

Physical state	Liquid
Concentration details	Covers concentrations up to 100 %.

Frequency and duration of use

Covers weekly exposure up to 4hours

Other given operational conditions affecting workers exposure

Temperature	Assumes use at not more than 20°C above ambient temperature, unless stated differently.
-------------	---

Technical conditions and measures at process level (source) to prevent release

Technical protective measures	Bulk transfers Handle substance within a closed system. Remotely vent displaced vapours. Drum/batch transfers Use only in well-ventilated areas. Pouring from small containers Use only in well-ventilated areas. Small package filling Handle substance within a closed system. Put lids on containers immediately after use. Provide extract ventilation at the points where emissions occur. Drying and storage Provide adequate ventilation. Avoid manual contact with wet work pieces. Equipment maintenance Retain drain downs in sealed storage pending disposal or for subsequent recycle. Use only in well-ventilated areas.
-------------------------------	--

Organisational measures to prevent/limit releases, dispersion and exposure

Organisational measures	Assumes a good basic standard of occupational hygiene is implemented.
-------------------------	---

Risk management measures

Use suitable eye protection and gloves.
Drum/batch transfers
Wear a respirator conforming to EN140 with Type A filter or better.
Wear suitable gloves tested to EN374.
Pouring from small containers
Wear suitable gloves tested to EN374.
Equipment maintenance
Wear a respirator conforming to EN140 with Type A filter or better.
Wear suitable gloves tested to EN374.

3. Exposure estimation (Environment 1)

Assessment method	Used EUSES model.
-------------------	-------------------

Industrial formulation of washing and cleaning products

4. Guidance to check compliance with the exposure scenario (Environment 1)

Required removal efficiency for wastewater can be achieved using onsite/offsite technologies, either alone or in combination. Required removal efficiency for air can be achieved using onsite technologies, either alone or in combination.

3. Exposure estimation (Health 1)

Assessment method Used ECETOC TRA model.

4. Guidance to check compliance with the exposure scenario (Health 1)

Predicted exposures are not expected to exceed the DN(M)EL when the Risk Management Measures/Operational Conditions outlined in Section 2 are implemented. Where other Risk Management Measures/Operational Conditions are adopted, then users should ensure that risks are managed to at least equivalent levels. Guidance is based on assumed operating conditions which may not be applicable to all sites, thus, scaling may be necessary to define appropriate site-specific risk management measures.



Exposure scenario

Industrial formulation of cosmetics

Identification

Product name	Amides, C8-18 (even-numbered) and C18(unsatd.), N,N-bis(hydroxyethyl)
REACH registration number	01-2119490100-53-XXXX
EC number	931-329-6
Supplier	Univar Solutions UK Ltd Aquarius House 6 Mid Point Business Park Bradford BD3 7AY +44 1274 267300 +44 1274 267306 SDS.EMEA@univarsolutions.com

1. Title of exposure scenario

Main title	Industrial formulation of cosmetics
Main sector	SU3 Industrial uses
Sector of use	SU10 Formulation [mixing] of preparations and/or re-packaging

Environment

Environmental release category	ERC2 Formulation into mixture
---------------------------------------	-------------------------------

Worker

Process category	PROC1 Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions PROC2 Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions PROC3 Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment condition PROC4 Chemical production where opportunity for exposure arises PROC5 Mixing or blending in batch processes PROC8a Transfer of substance or mixture (charging and discharging) at non-dedicated facilities PROC8b Transfer of substance or mixture (charging and discharging) at dedicated facilities PROC9 Transfer of substance or mixture into small containers (dedicated filling line, including weighing) PROC14 Tableting, compression, extrusion, pelletisation, granulation PROC15 Use as laboratory reagent.
-------------------------	--

2. Conditions of use affecting exposure (Industrial - Environment 1)

Product characteristics

Physical state	Liquid
-----------------------	--------

Industrial formulation of cosmetics

Frequency and duration of use

Emission days: 300 days/year

Other given operational conditions affecting environmental exposure

Emission factor - air	Release fraction to air from process (initial release prior to RMM): 0.0001
Emission factor - water	Release fraction to wastewater from process (initial release prior to RMM): 0.002
Emission factor - soil	Release fraction to soil from process (initial release prior to RMM): 0

Environmental factors not influenced by risk management measures

Dilution	Local freshwater dilution factor: 10 Local marine water dilution factor: 100 Receiving surface water flow: 18000 m³/day
----------	---

Risk management measures

STP type	Municipal STP.
STP details	Assumed onsite sewage treatment plant flow: 2000 m³/day

2. Conditions of use affecting exposure (Workers - Health 1)

Product characteristics

Physical state	Liquid
Concentration details	Concentration of substance in product: 5%

Frequency and duration of use

Covers weekly exposure up to 4hours

Other given operational conditions affecting workers exposure

Temperature	Assumes use at not more than 20°C above ambient temperature, unless stated differently.
-------------	---

Technical conditions and measures at process level (source) to prevent release

Technical protective measures	Bulk transfers Handle substance within a closed system. Remotely vent displaced vapours. Drum/batch transfers Use only in well-ventilated areas. Pouring from small containers Use only in well-ventilated areas. Small package filling Handle substance within a closed system. Put lids on containers immediately after use. Provide extract ventilation at the points where emissions occur. Drying and storage Provide adequate ventilation. Avoid manual contact with wet work pieces. Equipment maintenance Retain drain downs in sealed storage pending disposal or for subsequent recycle. Use only in well-ventilated areas.
-------------------------------	--

Organisational measures to prevent/limit releases, dispersion and exposure

Organisational measures	Assumes a good basic standard of occupational hygiene is implemented.
-------------------------	---

Risk management measures

Use suitable eye protection and gloves.
Drum/batch transfers
Wear a respirator conforming to EN140 with Type A filter or better.
Wear suitable gloves tested to EN374.
Pouring from small containers
Wear suitable gloves tested to EN374.
Equipment maintenance
Wear a respirator conforming to EN140 with Type A filter or better.
Wear suitable gloves tested to EN374.

Industrial formulation of cosmetics

3. Exposure estimation (Environment 1)

Assessment method Used EUSES model.

4. Guidance to check compliance with the exposure scenario (Environment 1)

Required removal efficiency for wastewater can be achieved using onsite/offsite technologies, either alone or in combination. Required removal efficiency for air can be achieved using onsite technologies, either alone or in combination.

3. Exposure estimation (Health 1)

Assessment method Used ECETOC TRA model.

4. Guidance to check compliance with the exposure scenario (Health 1)

Predicted exposures are not expected to exceed the DN(M)EL when the Risk Management Measures/Operational Conditions outlined in Section 2 are implemented. Where other Risk Management Measures/Operational Conditions are adopted, then users should ensure that risks are managed to at least equivalent levels. Guidance is based on assumed operating conditions which may not be applicable to all sites, thus, scaling may be necessary to define appropriate site-specific risk management measures.



Exposure scenario

Professional application of washing and cleaning products

Identification

Product name	Amides, C8-18 (even-numbered) and C18(unsatd.), N,N-bis(hydroxyethyl)
REACH registration number	01-2119490100-53-XXXX
EC number	931-329-6
Supplier	Univar Solutions UK Ltd Aquarius House 6 Mid Point Business Park Bradford BD3 7AY +44 1274 267300 +44 1274 267306 SDS.EMEA@univarsolutions.com

1. Title of exposure scenario

Main title	Professional application of washing and cleaning products
Main sector	SU22 Professional uses

Environment

Environmental release category	ERC2 Formulation into mixture ERC4 Use of non-reactive processing aid at industrial site (no inclusion into or onto article) ERC5 Use at industrial site leading to inclusion into/onto article ERC8a Widespread use of non-reactive processing aid (no inclusion into or onto article, indoor) ERC8d Widespread use of non-reactive processing aid (no inclusion into or onto article, outdoor) ERC8e Widespread use of reactive processing aid (no inclusion into or onto article, outdoor)
--------------------------------	--

Worker

Professional application of washing and cleaning products

Process category	PROC1 Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions PROC2 Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions PROC3 Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment condition PROC4 Chemical production where opportunity for exposure arises PROC5 Mixing or blending in batch processes PROC8a Transfer of substance or mixture (charging and discharging) at non-dedicated facilities PROC8b Transfer of substance or mixture (charging and discharging) at dedicated facilities PROC9 Transfer of substance or mixture into small containers (dedicated filling line, including weighing) PROC10 Roller application or brushing PROC11 Non industrial spraying PROC13 Treatment of articles by dipping and pouring. PROC19 Manual activities involving hand contact
-------------------------	--

2. Conditions of use affecting exposure (Industrial - Environment 1)

Product characteristics

Physical state Liquid

Frequency and duration of use

Emission days: 300 days/year

Other given operational conditions affecting environmental exposure

Emission factor - air Release fraction to air from process (initial release prior to RMM): 0.0005

Emission factor - water Release fraction to wastewater from process (initial release prior to RMM): 0.003

Emission factor - soil Release fraction to soil from process (initial release prior to RMM): 0

Environmental factors not influenced by risk management measures

Dilution Local freshwater dilution factor: 10
 Local marine water dilution factor: 100
 Receiving surface water flow: 18000 m³/day

Risk management measures

STP type Municipal STP.

STP details Assumed onsite sewage treatment plant flow: 2000 m³/day

2. Conditions of use affecting exposure (Workers - Health 1)

Product characteristics

Physical state Liquid

Concentration details Concentration of substance in product: 25%

Frequency and duration of use

Covers weekly exposure up to 4hours

Other given operational conditions affecting workers exposure

Setting Indoor/outdoor use.

Temperature Assumes use at not more than 20°C above ambient temperature, unless stated differently.

Professional application of washing and cleaning products

Technical conditions and measures at process level (source) to prevent release

Technical protective measures Bulk transfers Handle substance within a closed system. Remotely vent displaced vapours.
 Drum/batch transfers Use only in well-ventilated areas.
 Pouring from small containers Use only in well-ventilated areas.
 Spraying Carry out in a vented booth or extracted enclosure.
 Dipping, immersion and pouring Provide adequate ventilation. Provide extract ventilation at the points where emissions occur. Avoid manual contact with wet work pieces.
 Rolling, brushing Use long-handled brushes and rollers where possible.
 Small package filling Handle substance within a closed system. Fill containers/cans at dedicated fill points supplied with local extract ventilation. Put lids on containers immediately after use. Clear spills immediately.

Organisational measures to prevent/limit releases, dispersion and exposure

Organisational measures Assumes a good basic standard of occupational hygiene is implemented.

Risk management measures

Use suitable eye protection and gloves.
 Drum/batch transfers
 Wear a respirator conforming to EN140 with Type A filter or better.
 Wear suitable gloves tested to EN374.
 Pouring from small containers
 Wear suitable gloves tested to EN374.
 Equipment maintenance
 Wear a respirator conforming to EN140 with Type A filter or better.
 Wear suitable gloves tested to EN374.

3. Exposure estimation (Environment 1)

Assessment method Used EUSES model.

4. Guidance to check compliance with the exposure scenario (Environment 1)

Required removal efficiency for wastewater can be achieved using onsite/offsite technologies, either alone or in combination. Required removal efficiency for air can be achieved using onsite technologies, either alone or in combination.

3. Exposure estimation (Health 1)

Assessment method Used ECETOC TRA model.

4. Guidance to check compliance with the exposure scenario (Health 1)

Predicted exposures are not expected to exceed the DN(M)EL when the Risk Management Measures/Operational Conditions outlined in Section 2 are implemented. Where other Risk Management Measures/Operational Conditions are adopted, then users should ensure that risks are managed to at least equivalent levels. Guidance is based on assumed operating conditions which may not be applicable to all sites, thus, scaling may be necessary to define appropriate site-specific risk management measures.



Exposure scenario

Consumer use of cosmetic products

Identification

Product name	Amides, C8-18 (even-numbered) and C18(unsatd.), N,N-bis(hydroxyethyl)
REACH registration number	01-2119490100-53-XXXX
EC number	931-329-6
Supplier	Univar Solutions UK Ltd Aquarius House 6 Mid Point Business Park Bradford BD3 7AY +44 1274 267300 +44 1274 267306 SDS.EMEA@univarsolutions.com

1. Title of exposure scenario

Main title	Consumer use of cosmetic products
Product category	PC39 Cosmetics, personal care.
Main sector	SU21 Consumer uses

Environment

Environmental release category	ERC8a Widespread use of non-reactive processing aid (no inclusion into or onto article, indoor)
--------------------------------	---

2. Conditions of use affecting exposure (Workers - Health 1)

Organisational measures to prevent/limit releases, dispersion and exposure

Organisational measures	Assumes a good basic standard of occupational hygiene is implemented.
-------------------------	---

2. Conditions of use affecting exposure (Non-industrial - Environment 1)

Frequency and duration of use

Emission days: 365 days/year

Other given operational conditions affecting environmental exposure

Emission factor - air	Release fraction to air from process (initial release prior to RMM): 0
Emission factor - water	Release fraction to wastewater from process (initial release prior to RMM): 1
Emission factor - soil	Release fraction to soil from process (initial release prior to RMM): 0

Environmental factors not influenced by risk management measures

Dilution	Local freshwater dilution factor: 10 Local marine water dilution factor: 100 Receiving surface water flow: 18000
----------	--

Consumer use of cosmetic products

Risk management measures

STP type Municipal STP.

STP details Assumed domestic sewage treatment plant flow: 2000 m³/day

2. Conditions of use affecting exposure (Non-industrial - Health 1)

Control of Non-industrial exposure

In accordance to the Article 14 (5b) of the REACH Regulation (EC) No 1907/2006, exposure estimation and risk characterisation for human health does not need to be performed for end uses in cosmetic products within the scope of Directive 76/768/EEC.

3. Exposure estimation (Environment 1)

Assessment method Used EUSES model.

4. Guidance to check compliance with the exposure scenario (Environment 1)

Required removal efficiency for wastewater can be achieved using onsite/offsite technologies, either alone or in combination. Required removal efficiency for air can be achieved using onsite technologies, either alone or in combination.

3. Exposure estimation (Health 1)

No exposure assessment presented for human health.

4. Guidance to check compliance with the exposure scenario (Health 1)

Predicted exposures are not expected to exceed the DN(M)EL when the Risk Management Measures/Operational Conditions outlined in Section 2 are implemented. Where other Risk Management Measures/Operational Conditions are adopted, then users should ensure that risks are managed to at least equivalent levels. Guidance is based on assumed operating conditions which may not be applicable to all sites, thus, scaling may be necessary to define appropriate site-specific risk management measures.



Exposure scenario

Consumer application of washing and cleaning products

Identification

Product name	Amides, C8-18 (even-numbered) and C18(unsatd.), N,N-bis(hydroxyethyl)
REACH registration number	01-2119490100-53-XXXX
EC number	931-329-6
Supplier	Univar Solutions UK Ltd Aquarius House 6 Mid Point Business Park Bradford BD3 7AY +44 1274 267300 +44 1274 267306 SDS.EMEA@univarsolutions.com

1. Title of exposure scenario

Main title	Consumer application of washing and cleaning products
Product category	PC2 Adsorbents. PC4 Anti-freeze and de-icing products. PC9a Coatings and paints, thinners, paint removers. PC24 Lubricants, greases and release products. PC32 Polymer preparations and compounds. PC35 Washing and cleaning products PC38 Welding and soldering products, flux products
Article category	AC13 Plastic articles
Main sector	SU21 Consumer uses
<u>Environment</u>	
Environmental release category	ERC2 Formulation into mixture ERC8a Widespread use of non-reactive processing aid (no inclusion into or onto article, indoor) ERC8d Widespread use of non-reactive processing aid (no inclusion into or onto article, outdoor) ERC8e Widespread use of reactive processing aid (no inclusion into or onto article, outdoor)

2. Conditions of use affecting exposure (Workers - Health 1)

Organisational measures to prevent/limit releases, dispersion and exposure

Organisational measures	Assumes a good basic standard of occupational hygiene is implemented.
-------------------------	---

2. Conditions of use affecting exposure (Non-industrial - Environment 1)

Frequency and duration of use

Emission days: 300 days/year

Consumer application of washing and cleaning products

Other given operational conditions affecting environmental exposure

Emission factor - air	Release fraction to air from process (initial release prior to RMM): 0
Emission factor - water	Release fraction to wastewater from process (initial release prior to RMM): 0.0005
Emission factor - soil	Release fraction to soil from process (initial release prior to RMM): 0

Environmental factors not influenced by risk management measures

Dilution	Local freshwater dilution factor: 10
	Local marine water dilution factor: 100
	Receiving surface water flow: 18000

Risk management measures

STP type	Municipal STP.
STP details	Assumed domestic sewage treatment plant flow: 2000 m ³ /day

2. Conditions of use affecting exposure (Non-industrial - Health 1)

Product characteristics

Physical state	Liquid
Concentration details	Concentration of substance in product: 25%

Other given operational conditions affecting Non-industrial exposure

Setting	Indoor/outdoor use.
Temperature	Assumes activities are at ambient temperature (unless stated differently).

Other given operational conditions affecting Non-industrial exposure

No specific risk management measure identified beyond those operational conditions stated.

3. Exposure estimation (Environment 1)

Assessment method	Used EUSES model.
-------------------	-------------------

4. Guidance to check compliance with the exposure scenario (Environment 1)

Required removal efficiency for wastewater can be achieved using onsite/offsite technologies, either alone or in combination. Required removal efficiency for air can be achieved using onsite technologies, either alone or in combination.

3. Exposure estimation (Health 1)

Assessment method	Used ECETOC TRA model.
-------------------	------------------------

4. Guidance to check compliance with the exposure scenario (Health 1)

Predicted exposures are not expected to exceed the DN(M)EL when the Risk Management Measures/Operational Conditions outlined in Section 2 are implemented. Where other Risk Management Measures/Operational Conditions are adopted, then users should ensure that risks are managed to at least equivalent levels. Guidance is based on assumed operating conditions which may not be applicable to all sites, thus, scaling may be necessary to define appropriate site-specific risk management measures.