



SAFETY DATA SHEET CAFLON PRN BIO NP

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

1.1. Product identifier

Product name CAFLON PRN BIO NP

Product number 60408

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. 60408

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Not Classified

Health hazards Eye Dam. 1 - H318

Environmental hazards Not Classified

2.2. Label elements

Hazard pictograms



Signal word Danger

Hazard statements EUH208 Contains 1,2-BENZISOTHIAZOL-3(2H)-ONE. May produce an allergic reaction.
H318 Causes serious eye damage.

Precautionary statements P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

CAFLON PRN BIO NP

Contains

BENZENESULFONIC ACID, 4-C10-13-SEC-ALKYL DERIVS., COMPDS. WITH TRIETHANOLAMINE, C13-15 ALCOHOL ETHOXYLATE 7EO, ALCOHOLS, C12-14, ETHOXYLATED, SULFATES, SODIUM SALTS

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

BENZENESULFONIC ACID, 4-C10-13-SEC-ALKYL DERIVS., COMPDS. WITH TRIETHANOLAMINE 1-5% CAS number: 121617-08-1 REACH registration number: 01-2119971970-28
Classification Skin Irrit. 2 - H315 Eye Dam. 1 - H318
C13-15 ALCOHOL ETHOXYLATE 7EO 1-5% CAS number: 157627-86-6
Classification Acute Tox. 4 - H302 Eye Dam. 1 - H318 Aquatic Chronic 3 - H412
ALCOHOLS, C12-14, ETHOXYLATED, SULFATES, SODIUM SALTS 1-5% CAS number: 68891-38-3 EC number: 500-234-8 REACH registration number: 01-2119488639-16-XXXX
Classification Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Aquatic Chronic 3 - H412
1,2-BENZISOTHIAZOL-3(2H)-ONE <0.1% CAS number: 2634-33-5 EC number: 220-120-9 M factor (Acute) = 1
Classification Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Skin Sens. 1 - H317 Aquatic Acute 1 - H400 Aquatic Chronic 2 - H411

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POLY(OXY-1,2-ETHANEDIYL), α -(1-OXOOCTADECYL)- ω -HYDROXY-

<0.1%

CAS number: 9004-99-3

Classification

Not Classified

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

Inhalation	Remove affected person from source of contamination. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Rinse nose and mouth with water. Get medical attention if any discomfort continues.
Ingestion	Do not induce vomiting. Rinse mouth thoroughly with water. Give plenty of water to drink. Get medical attention if any discomfort continues.
Skin contact	Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention promptly if symptoms occur after washing.
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 promptly if symptoms occur after washing.

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

Skin contact	May cause an allergic skin reaction.
Eye contact	Causes serious eye damage.

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

Notes for the doctor	Treat symptomatically.
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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

Hazardous combustion products	Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.
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5.3. Advice for firefighters

Special protective equipment for firefighters	Use protective equipment appropriate for surrounding materials.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	Follow precautions for safe handling described in this safety data sheet. Avoid inhalation of vapours and contact with skin and eyes. Provide adequate ventilation.
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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 spillage with non-combustible, absorbent material. Collect and place in suitable waste disposal containers and seal securely. For waste disposal, see Section 13. Flush contaminated area with plenty of water.

6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Avoid spilling. Avoid contact with skin and eyes. Provide adequate ventilation.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly-closed, original container in a dry, cool and well-ventilated place.

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

Occupational exposure limits

POLY(OXY-1,2-ETHANEDIYL), α -(1-OXOOCTADECYL)- ω -HYDROXY-

10 mg/m³, TWA, Manuf. data
(inhal)

3 mg/m³, TWA, Manuf. data
(resp)

BENZENESULFONIC ACID, 4-C10-13-SEC-ALKYL DERIVS., COMPDS. WITH TRIETHANOLAMINE (CAS: 121617-08-1)

DNEL	Industry - Inhalation; Long term systemic effects: 4.1 mg/m ³
	Industry - Dermal; Long term systemic effects: 5.29 mg/kg/day
	Consumer - Inhalation; Long term systemic effects: 1.01 mg/m ³
	Consumer - Dermal; Long term systemic effects: 1.2 mg/kg/day
PNEC	- Fresh water; 0.268 mg/l
	- marine water; 0.0268 mg/l
	- Intermittent release; 0.268 mg/l
	- STP; 7 mg/l
	- Sediment (Freshwater); 8.1 mg/kg
	- Sediment (Marinewater); 8.1 mg/kg
	- Soil; 35 mg/kg

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

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

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3,7-DIMETHYLOCTAN-3-OL (CAS: 78-69-3)

DNEL	Workers - Inhalation; Long term systemic effects: 2.75 mg/m ³
	Workers - Dermal; Long term systemic effects: 2.5 mg/kg/day
	Workers - Dermal; Short term local effects: 2.76 mg/cm ²
	Consumer - Inhalation; Long term systemic effects: 0.68 mg/m ³
	Consumer - Oral; Long term systemic effects: 0.2 mg/kg/day
	Consumer - Dermal; Long term systemic effects: 1.25 mg/kg/day
	Consumer - Dermal; Short term local effects: 2.76 mg/cm ²

PNEC	- Fresh water; 0.0089 mg/l
	- marine water; 0.00089 mg/l
	- STP; 450 mg/l
	- Sediment (Freshwater); 0.0821 mg/kg
	- Sediment (Marinewater); 0.00821 mg/kg
	- Soil; 0.0112 mg/kg

(L) BUTYLPHENYL METHYLPROPIONAL (CAS: 80-54-6)

DNEL	Workers - Inhalation; Long term systemic effects: 0.44 mg/m ³
	Workers - Dermal; Short term local effects: 0.41 mg/cm ²
	Workers - Dermal; Long term systemic effects: 2.075 mg/kg
	Consumer - Inhalation; Long term systemic effects: 0.11 mg/m ³
	Consumer - Oral; Long term systemic effects: 0.0625 mg/kg
	Consumer - Dermal; Long term systemic effects: 1.0375 mg/kg
	Consumer - Dermal; Short term local effects: 0.41 mg/cm ²

PNEC	- Fresh water; 0.00204 mg/l
	- marine water; 0.00202 mg/l
	- Sediment (Freshwater); 0.269 mg/kg
	- Sediment (Marinewater); 0.0269 mg/kg
	- Soil; 0.0525 mg/kg
	- STP; 10 mg/l

(R)-P-MENTHA-1,8-DIENE (CAS: 5989-27-5)

DNEL	Workers - Inhalation; Long term systemic effects: 66.7 mg/m ³
	Workers - Dermal; Long term systemic effects: 9.5 mg/kg/day
	Consumer - Inhalation; Long term systemic effects: 16.6 mg/m ³
	Consumer - Dermal; Long term systemic effects: 4.8 mg/kg/day
	Consumer - Oral; Long term systemic effects: 4.8 mg/kg/day

PNEC	Fresh water; 14 µg/l
	marine water; 1.4 µg/l
	STP; 1.8 mg/l
	Sediment (Freshwater); 3.85 mg/kg
	Sediment (Marinewater); 0.385 mg/kg
	Soil; 0.763 mg/kg

1-(1,2,3,4,5,6,7,8 OCTAHYDRO2,3,8,8-TETRAMETHYL-2-NAPHTHYL)ETHAN-1-ONE (CAS: 54464-57-2)

DNEL	Workers - Inhalation; Long term systemic effects: 30 mg/m ³
	Workers - Dermal; Long term systemic effects: 28.7 mg/kg/day
	Consumer - Inhalation; Long term systemic effects: 9 mg/m ³
	Consumer - Dermal; Long term systemic effects: 17.2 mg/kg/day
	Consumer - Oral; Long term systemic effects: 3 mg/kg/day

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PNEC

Fresh water; 2.8 µg/l
 marine water; 0.28 µg/l
 STP; 10 mg/l
 Sediment (Freshwater); 3.73 mg/kg
 Sediment (Marinewater); 0.75 mg/kg
 Soil; 2.7 mg/kg

EUCALYPTOL (CAS: 470-82-6)

DNEL

Workers - Dermal; Long term systemic effects: 2 mg/kg
 Workers - Inhalation; Long term systemic effects: 7.05 mg/kg
 Consumer - Dermal; Long term systemic effects: 1 mg/kg/day
 Consumer - Inhalation; Long term systemic effects: 1.74 mg/m³

PNEC

STP; 10 mg/l
 Soil; 0.2 mg/kg
 Fresh water; 0.057 mg/l
 marine water; 0.0057 mg/l
 Sediment (Freshwater); 0.06732 mg/kg
 Sediment (Marinewater); 0.00673 mg/kg

HEXYL SALICYLATE (CAS: 6259-76-3)

DNEL

Workers - Inhalation; Long term systemic effects: 1.7 mg/m³
 Workers - Dermal; Long term systemic effects: 6.4 mg/kg/day
 Consumer - Inhalation; Long term systemic effects: 0.4 mg/m³
 Consumer - Dermal; Long term systemic effects: 3.2 mg/kg/day
 Consumer - Oral; Long term systemic effects: 0.3 mg/kg/day

PNEC

Fresh water; 0 mg/l
 marine water; 0 mg/l
 STP; 10 mg/l
 Sediment (Freshwater); 0.272 mg/kg
 Sediment (Marinewater); 0.027 mg/kg
 Soil; 0.054 mg/kg

LINALYL ACETATE (CAS: 115-95-7)

DNEL

Industry - Dermal; Long term systemic effects: 2.5 mg/kg/day
 Industry - Inhalation; Long term systemic effects: 2.75 mg/m³
 Consumer - Inhalation; Long term systemic effects: 0.68 mg/m³
 Workers - Dermal; Short term local effects: 8 mg/cm²
 Workers - Dermal; Long term local effects: 8 mg/cm²
 Consumer - Dermal; Short term local effects: 8 mg/cm²
 Consumer - Dermal; Long term local effects: 8 mg/cm²

PNEC

- Fresh water; 0.011 mg/l
 - marine water; 0.0011 mg/l
 - Sediment (Freshwater); 0.609 mg/kg
 - Sediment (Marinewater); 0.0609 mg/kg
 - Soil; 0.115 mg/kg
 - STP; 10 mg/l

TERPINEOL (CAS: 8000-41-7)

Ingredient comments

No exposure limits known for ingredient(s).

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8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Provide adequate ventilation.

Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Unless the assessment indicates a higher degree of protection is required, the following protection should be worn: Tight-fitting safety glasses. 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. Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. To protect hands from chemicals, gloves should comply with European Standard EN374.

Other skin and body protection

Wear suitable protective clothing as protection against splashing or contamination.

Hygiene measures

Wash at the end of each work shift and before eating, smoking and using the toilet. When using do not eat, drink or smoke.

Respiratory protection

No specific recommendations. Respiratory protection may be required if excessive airborne contamination occurs. EN 136/140/141/145/143/149

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Viscous liquid.
Colour	White. Opaque liquid.
Odour	Characteristic.
Odour threshold	No information available.
pH	pH (concentrated solution): 8.1 – 8.7
Melting point	No information available.
Initial boiling point and range	No information available.
Flash point	No information available.
Evaporation rate	No information available.
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	No information available.
Vapour density	No information available.

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Relative density	1.080 - 1.100 @ 20°C
Bulk density	No information available.
Solubility(ies)	Soluble in water.
Partition coefficient	No information available.
Auto-ignition temperature	No information available.
Decomposition Temperature	No information available.
Viscosity	No information available.
Explosive properties	No information available.
Explosive under the influence of a flame	No information available.
Oxidising properties	No information available.

9.2. Other information

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.
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10.2. Chemical stability

Stability	Stable at normal ambient temperatures.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	Not determined.
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10.4. Conditions to avoid

Conditions to avoid	Avoid excessive heat for prolonged periods of time.
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10.5. Incompatible materials

Materials to avoid	Not determined.
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10.6. Hazardous decomposition products

Hazardous decomposition products	Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

CAFLON PRN BIO NP

Acute toxicity - oral

ATE oral (mg/kg) 17,006.8

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 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 May cause respiratory irritation.

Ingestion Ingestion may cause severe irritation of the mouth, the oesophagus and the gastrointestinal tract.

Skin contact May cause an allergic skin reaction.

Eye contact Causes serious eye damage.

Toxicological information on ingredients.

BENZENESULFONIC ACID, 4-C10-13-SEC-ALKYL DERIVS., COMPS. WITH TRIETHANOLAMINE

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 2,925.0

Species Rat

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg) 2,000.0

Species Rabbit

Skin corrosion/irritation

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Animal data Irritating.

Serious eye damage/irritation

Serious eye damage/irritation Moderately irritating. Risk of serious damage to eyes.

Skin sensitisation

Skin sensitisation Buehler test: - Guinea pig: OECD 406 Not sensitising.

Germ cell mutagenicity

Genotoxicity - in vitro Bacterial reverse mutation test:

Carcinogenicity

Carcinogenicity Scientifically unjustified.

Reproductive toxicity

Reproductive toxicity - development This substance has no evidence of toxicity to reproduction.

Specific target organ toxicity - single exposure

STOT - single exposure Not classified as a specific target organ toxicant after a single exposure.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure Not classified as a specific target organ toxicant after repeated exposure.

C13-15 ALCOHOL ETHOXYLATE 7EO

Acute toxicity - oral

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.

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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.

SECTION 12: Ecological information

Ecotoxicity The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Ecological information on ingredients.

C13-15 ALCOHOL ETHOXYLATE 7EO

Ecotoxicity Harmful to aquatic life with long lasting effects.

12.1. Toxicity

Toxicity Not considered toxic to fish.

Ecological information on ingredients.

BENZENESULFONIC ACID, 4-C10-13-SEC-ALKYL DERIVS., COMPDS. WITH TRIETHANOLAMINE

Acute aquatic toxicity

Acute toxicity - fish LC₅₀, 96 hours: 5.7 mg/l, Brachydanio rerio (Zebra Fish)

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 10.6 mg/l, Daphnia magna

Acute toxicity - aquatic plants NOEC, 72 hours: 3.4 mg/l, Scenedesmus subspicatus

Chronic aquatic toxicity

Chronic toxicity - aquatic invertebrates NOEC, 21 days: 2.8 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,

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12.2. Persistence and degradability

Persistence and degradability There are no data on the degradability of this product.

Ecological information on ingredients.

BENZENESULFONIC ACID, 4-C10-13-SEC-ALKYL DERIVS., COMPS. WITH TRIETHANOLAMINE

Persistence and degradability The substance is readily biodegradable.

Biodegradation - Degradation (%) 100: 28 days
OCED 301B

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.

Biodegradation - Degradation 60: > 28 days
OCED 301B

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

Partition coefficient No information available.

Ecological information on ingredients.

BENZENESULFONIC ACID, 4-C10-13-SEC-ALKYL DERIVS., COMPS. WITH TRIETHANOLAMINE

Bioaccumulative potential The product is not bioaccumulating.

C13-15 ALCOHOL ETHOXYLATE 7EO

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

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.

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.

BENZENESULFONIC ACID, 4-C10-13-SEC-ALKYL DERIVS., COMPS. WITH TRIETHANOLAMINE

CAFLON PRN BIO NP

Results of PBT and vPvB assessment

This substance is not classified as PBT or vPvB according to current EU criteria.

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.

12.6. Other adverse effects

Other adverse effects Not determined.

Ecological information on ingredients.

BENZENESULFONIC ACID, 4-C10-13-SEC-ALKYL DERIVS., COMPS. WITH TRIETHANOLAMINE

Other adverse effects None known.

C13-15 ALCOHOL ETHOXYLATE 7EO

Other adverse effects Not known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information Do not puncture or incinerate, even when empty. Waste should be treated as controlled waste.

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 The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant
No.

14.6. Special precautions for user

Not applicable.

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

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

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.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

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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.

Revision comments

NOTE: Lines within the margin indicate significant changes from the previous revision.

Revision date

02/06/2020

Version number

1.000

SDS number

60408

SDS status

Approved.

CAFLON PRN BIO NP

Hazard statements in full

H302 Harmful if swallowed.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H400 Very toxic to aquatic life.

H411 Toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects.

EUH208 Contains 1,2-BENZISOTHAZOL-3(2H)-ONE. May produce an allergic reaction.

Signature

Jitendra Panchal