

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

1.1. Product identifier

Product name: SURFAC CETYL ALCOHOL

REACH registered number(s): 01-2119485905-24-XXXX

CAS number: 36653-82-4

EINECS number: 253-149-0

Index number: 0159

Product code: CETYL

Synonyms: 1-HEXADECANOL

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

Use of substance / mixture: * Chemical intermediate. Laboratory Chemicals. Lubricant. Lubricant Additives.
Processing Aid. Solvents.

1.3. Details of the supplier of the safety data sheet

Company name: Surfachem Ltd
2 The Embankment
Sovereign Street
Leeds
West Yorkshire
LS1 4BA
United Kingdom

Tel: + 44 (0)113 394 9200

Fax: + 44 (0)113 394 9201

Email: info@surfachem.com

1.4. Emergency telephone number

Emergency tel: -

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: * Aquatic Chronic 3: H412

Most important adverse effects: Harmful to aquatic life with long lasting effects.

2.2. Label elements

Label elements:

Hazard statements: * H412: Harmful to aquatic life with long lasting effects.

Precautionary statements: P273: Avoid release to the environment.

P501: Dispose of contents/container to hazardous or special waste collection point.

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2.3. Other hazards

PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.2. Mixtures

* Hazardous ingredients:

TETRADECAN-1-OL - REACH registered number(s): 01-2119485910-33-XXXX

EINECS	CAS	PBT / WEL	CLP Classification	Percent
204-000-3	112-72-1	-	Eye Irrit. 2: H319; Aquatic Chronic 1: H410	1-10%

Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.

Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor.

Ingestion: Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Consult a doctor.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so.

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

Skin contact: There may be mild irritation at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: There may be soreness and redness of the mouth and throat.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

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

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: * Water spray. Carbon dioxide. Alcohol or polymer foam. Dry chemical powder.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

Section 6: Accidental release measures

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6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Refer to section 8 of SDS for personal protection details.

6.2. Environmental precautions

Environmental precautions: Contain the spillage using bunding. Do not discharge into drains or rivers.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Mix with sand or vermiculite. Transfer to a suitable container.

6.4. Reference to other sections

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Do not handle in a confined space. Ensure there is sufficient ventilation of the area.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area. Keep container tightly closed. Keep away from sources of ignition.

Suitable packaging: Must only be kept in original packaging.

7.3. Specific end use(s)

Section 8: Exposure controls/personal protection

8.1. Control parameters

Workplace exposure limits: No data available.

DNEL/PNEC Values

SURFAC CETYL ALCOHOL

Type	Exposure	Value	Population	Effect
DNEL	Dermal	125mg/kg	Workers	Systemic
DNEL	Inhalation	220mg/m3	Workers	Systemic
DNEL	Dermal	75mg/kg	Consumers	Systemic
DNEL	Inhalation	65mg/m3	Consumers	Systemic
DNEL	Oral	75mg/kg	Consumers	Systemic
PNEC	Fresh water	0.00156mg/l	-	-
PNEC	Marine water	0.000156mg/l	-	-
PNEC	Fresh water sediments	4.8mg/kg	-	-
PNEC	Marine sediments	0.48mg/kg	-	-
PNEC	Soil (agricultural)	4mg/kg	-	-

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Hazardous ingredients:

TETRADECAN-1-OL

Type	Exposure	Value	Population	Effect
DNEL	Dermal	44.4mg/kg	Consumers	Systemic
DNEL	Inhalation	77mg/m3	Consumers	Systemic
DNEL	Oral	44.4mg/kg	Consumers	Systemic
DNEL	Dermal	89mg/kg	Workers	Systemic
DNEL	Inhalation	313mg/m3	Workers	Systemic
DNEL	Inhalation	178mg/m3	Workers	Local
PNEC	Fresh water	0.00126mg/L	-	-
PNEC	Marine water	0.000126mg/L	-	-
PNEC	Fresh water sediments	4.3mg/kg dw	-	-
PNEC	Marine sediments	0.43mg/kg dw	-	-
PNEC	Soil (agricultural)	0.86mg/kg dw	-	-

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area.

Respiratory protection: Self-contained breathing apparatus must be available in case of emergency.

Hand protection: Protective gloves.

Eye protection: Safety goggles.

Skin protection: Protective clothing with elasticated cuffs and closed neck.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Flakes

Colour: White

Odour: Mild Soapy

Solubility in water: Insoluble

Boiling point/range°C: ca 300

Melting point/range°C: 47-50

Flash point°C: ~150-155

Part.coeff. n-octanol/water: log pow: ca 6.7

Autoflammability°C: ca 235 degrees C

Vapour pressure: <1.000hPa@20 degrees

Relative density: ~0.81 @65°C

9.2. Other information

Other information: No data available.

Section 10: Stability and reactivity

10.1. Reactivity

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10.2. Chemical stability

Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

10.4. Conditions to avoid

Conditions to avoid: None

10.5. Incompatible materials

Materials to avoid: Oxidising agents.

10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes.

Section 11: Toxicological information

11.1. Information on toxicological effects

* Toxicity values:

Route	Species	Test	Value	Units
ORL	RAT	LD50	>2000	mg/kg
VAPOURS	RAT	1H LC50	>1.5	mg/l
DERMAL	RBT	LD50	>2000	mg/kg

Hazardous ingredients:

TETRADECAN-1-OL

DERMAL	RBT	LD50	8000	mg/kg
DUST/MIST	RAT	1H LC50	>1.5	mg/l
ORAL	RAT	OECD 401	>2000	mg/kg

Excluded hazards for substance:

Hazard	Route	Basis
Acute toxicity (ac. tox. 4)	-	No hazard: calculated
Acute toxicity (ac. tox. 3)	-	No hazard: calculated
Acute toxicity (ac. tox. 2)	-	No hazard: calculated
Acute toxicity (ac. tox. 1)	-	No hazard: calculated
Skin corrosion/irritation	-	No hazard: calculated
Serious eye damage/irritation	-	No hazard: calculated
Respiratory/skin sensitisation	-	No hazard: calculated
Germ cell mutagenicity	-	No hazard: calculated
Carcinogenicity	-	No hazard: calculated

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Reproductive toxicity	-	No hazard: calculated
STOT-single exposure	-	No hazard: calculated
STOT-repeated exposure	-	No hazard: calculated
Aspiration hazard	-	No hazard: calculated

Symptoms / routes of exposure

Skin contact: There may be mild irritation at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: There may be soreness and redness of the mouth and throat.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

Section 12: Ecological information

12.1. Toxicity

Ecotoxicity values:

Species	Test	Value	Units
FISH	96H LC50	>890	mg/l

Hazardous ingredients:

TETRADECAN-1-OL

ALGAE	96H ErC50	>10	mg/l
Daphnia magna	48H EC50	3.2	mg/l
RAINBOW TROUT (Oncorhynchus mykiss)	96H LC50	>1	mg/l

12.2. Persistence and degradability

Persistence and degradability: Biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential: * BCF (Calculated) 56

12.4. Mobility in soil

Mobility: Floats on water.

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: In accordance with local and national regulations.

Disposal of packaging: Dispose of as normal industrial waste.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

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Section 14: Transport information

Transport class: This product does not require a classification for transport.

Section 15: Regulatory information

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

15.2. Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

Section 16: Other information

Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.

* indicates text in the SDS which has changed since the last revision.

Phrases used in s.2 and s.3: H319: Causes serious eye irritation.

H410: Very toxic to aquatic life with long lasting effects.

H412: Harmful to aquatic life with long lasting effects.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.