



**SAFETY DATA SHEET**  
SURFAC CETYL ALCOHOL

Page: 1

Compilation date: 25/08/10

Revision date: 19/05/20

Revision No: 6

**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:** Fizzywhiz  
23 Maritime Enterprise Park  
Atlas Road  
Bootle  
Liverpool  
L20 4DY  
United Kingdom

**Tel:** + 44 (0)151 922 0041

**Email:** [info@fizzywhiz.com](mailto:info@fizzywhiz.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.

**SAFETY DATA SHEET**  
SURFAC CETYL ALCOHOL

Page: 2

**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.

[cont...]

**SAFETY DATA SHEET**  
SURFAC CETYL ALCOHOL

Page: 3

**Section 6: Accidental release measures**

**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	-	-

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**SAFETY DATA SHEET**  
SURFAC CETYL ALCOHOL

Page: 4

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.

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**SAFETY DATA SHEET**  
SURFAC CETYL ALCOHOL

Page: 5

**Section 10: Stability and reactivity**

**10.1. Reactivity**

**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

[cont...]

**SAFETY DATA SHEET**  
SURFAC CETYL ALCOHOL

Page: 6

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
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**

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**SAFETY DATA SHEET**  
SURFAC CETYL ALCOHOL

Page: 7

**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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**SAFETY DATA SHEET**  
SURFAC CETYL ALCOHOL

Page: 8

**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.



**SAFETY DATA SHEET**  
SURFAC CETYL ALCOHOL