

**Section 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier****Product name:** SURFAC B4**Index number:** 0103**Product code:** B4**Synonyms:** COCAMIDOPROPYL BETAINE**INCI name:** Cocamidopropyl Betaine**1.2. Relevant identified uses of the substance or mixture and uses advised against**

**Use of substance / mixture:** Amphoteric surfactant PC1: Adhesives, sealants. PC2: Adsorbents. PC3: Air care products. PC4: Anti-Freeze and de-icing products. PC7: Base metals and alloys. PC8: Biocidal products (e.g. Disinfectants, pest control). PC9a: Coatings and paints, thinners, paint removers. PC9b: Fillers, putties, plasters, modelling clay. PC9c: Finger paints. PC11: Explosives. PC12: Fertilizers. PC13: Fuels. PC14: Metal surface treatment products, including galvanic and electroplating products. PC15: Non-metal-surface treatment products. PC16: Heat transfer fluids. PC17: Hydraulic fluids. PC18: Ink and toners. PC19: Intermediate. PC20: Products such as ph-regulators, flocculants, precipitants, neutralization agents.

**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)113 244 5910**Email:** [info@surfachem.com](mailto: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; Eye Dam. 1: H318

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**Most important adverse effects:** Causes serious eye damage. Harmful to aquatic life with long lasting effects.

## 2.2. Label elements

### Label elements:

**Hazard statements:** H318: Causes serious eye damage.

H412: Harmful to aquatic life with long lasting effects.

**Signal words:** Danger

**Hazard pictograms:** GHS05: Corrosion



**Precautionary statements:** \* P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P273: Avoid release to the environment.  
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P338: Remove contact lenses, if present and easy to do. Continue rinsing.  
P310: Immediately call a POISON CENTER/doctor/physician.

## 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:

1-PROPANAMINIUM, 3-AMINO-N-(CARBOXYMETHYL)-N,N-DIMETHYL-, N-C8-18 (EVEN NUMBERED) ACYL DERIVS., HYDROXIDES, INNER SALTS - REACH registered number(s): 01-2119488533-30-0000

EINECS	CAS	PBT / WEL	CLP Classification	Percent
931-296-8	-	-	Eye Dam. 1: H318; Aquatic Chronic 3: H412	15-30%

## 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. Consult a doctor.

**Eye contact:** Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.

**Ingestion:** Do not induce vomiting. Wash out mouth with water. Consult a doctor.

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

[cont...]

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

**Skin contact:** There may be irritation and redness at the site of contact.

**Eye contact:** \* There may be irritation and redness. The eyes may water profusely. May cause permanent damage.

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

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

**Delayed / immediate effects:** No data available.

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

**Immediate / special treatment:** Show this safety data sheet to the doctor in attendance.

## Section 5: Fire-fighting measures

### 5.1. Extinguishing media

**Extinguishing media:** Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

### 5.2. Special hazards arising from the substance or mixture

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

### 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

### 6.1. Personal precautions, protective equipment and emergency procedures

**Personal precautions:** \* Turn leaking containers leak-side up to prevent the escape of liquid. Mark out the contaminated area with signs and prevent access to unauthorised personnel.

### 6.2. Environmental precautions

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

### 6.3. Methods and material for containment and cleaning up

**Clean-up procedures:** Absorb into dry earth or sand. Transfer to a suitable container. Wash the spillage site with large amounts of water.

### 6.4. Reference to other sections

**Reference to other sections:** Refer to section 8 of SDS. Refer to section 13 of SDS.

## Section 7: Handling and storage

### 7.1. Precautions for safe handling

**Handling requirements:** Avoid direct contact with the substance.

[cont...]

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## 7.2. Conditions for safe storage, including any incompatibilities

**Storage conditions:** Store in a cool, well ventilated area.

**Suitable packaging:** Must only be kept in original packaging.

## 7.3. Specific end use(s)

**Specific end use(s):** No data available.

## Section 8: Exposure controls/personal protection

### 8.1. Control parameters

**Workplace exposure limits:** No data available.

### DNEL/PNEC Values

**Hazardous ingredients:**

#### 1-PROPANAMINIUM, 3-AMINO-N-(CARBOXYMETHYL)-N,N-DIMETHYL-, N-C8-18 (EVEN NUMBERED) ACYL DERIVS., HYDR

Type	Exposure	Value	Population	Effect
DNEL	Inhalation	44mg/m3	Workers	Systemic
DNEL	Dermal	12.5mg/kg	Workers	Systemic
DNEL	Oral	7.5mg/kg	Consumers	Systemic
DNEL	Dermal	7.5mg/kg	Consumers	Systemic
PNEC	Fresh water	0.0135mg/L	-	-
PNEC	Marine water	0.00135mg/L	-	-
PNEC	Microorganisms in sewage treatment	3000mg/L	-	-

### 8.2. Exposure controls

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

**Respiratory protection:** \* Respiratory protection not required.

**Hand protection:** \* PVC gloves.

**Eye protection:** Safety goggles. Ensure eye bath is to hand.

**Skin protection:** Protective clothing.

**Environmental:** Storage should be placed inside a fully bunded area of sufficient size to contain the volume plus 10%.

## Section 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

**State:** Liquid

**Colour:** Clear to pale yellow.

**Odour:** Characteristic odour

**Solubility in water:** Miscible

**Kinematic viscosity:** ~50 mPa.s

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**Boiling point/range°C:** ~100

**Melting point/range°C:** ~0

**Flash point°C:** >100

**Relative density:** 1.05 @ 20°C

**pH:** 4.5 - 5.5 @ 20°C

## 9.2. Other information

**Other information:** No data available.

## Section 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity:** Stable under recommended transport or storage conditions.

### 10.2. Chemical stability

**Chemical stability:** Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

**Hazardous reactions:** Hazardous reactions will not occur under normal transport or storage conditions.

### 10.4. Conditions to avoid

**Conditions to avoid:** Heat. Direct sunlight.

### 10.5. Incompatible materials

**Materials to avoid:** No data available.

### 10.6. Hazardous decomposition products

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

## Section 11: Toxicological information

### 11.1. Information on toxicological effects

**Hazardous ingredients:**

**1-PROPANAMINIUM, 3-AMINO-N-(CARBOXYMETHYL)-N,N-DIMETHYL-, N-C8-18 (EVEN NUMBERED) ACYL DERIVS., HYDR**

ORAL	RAT	LD50	>2000	mg/kg
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**Relevant hazards for substance:**

Hazard	Route	Basis
Serious eye damage/irritation	OPT	Hazardous: calculated

### Symptoms / routes of exposure

**Skin contact:** There may be irritation and redness at the site of contact.

**Eye contact:** \* There may be irritation and redness. The eyes may water profusely. May cause permanent damage.

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

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

**Delayed / immediate effects:** No data available.

[cont...]

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Other information: Not applicable.

## Section 12: Ecological information

### 12.1. Toxicity

Hazardous ingredients:

**1-PROPANAMINIUM, 3-AMINO-N-(CARBOXYMETHYL)-N,N-DIMETHYL-, N-C8-18 (EVEN NUMBERED) ACYL DERIVS., HYDR**

ALGAE	72H ErC50	1.5	mg/l
Daphnia magna	48H EC50	6.5	mg/l
FISH	96H LC50	1.11	mg/l

### 12.2. Persistence and degradability

**Persistence and degradability:** 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 the detergent manufacturer.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential:** No bioaccumulation potential.

### 12.4. Mobility in soil

**Mobility:** Soluble in 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

**Other adverse effects:** \* Harmful to aquatic organisms.

## Section 13: Disposal considerations

### 13.1. Waste treatment methods

**Disposal operations:** Transfer to a suitable container and arrange for collection by specialised disposal company.

**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.

## 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

**Specific regulations:** Not applicable.

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## 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 453/2010.

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

**Phrases used in s.2 and s.3:** H318: Causes serious eye damage.

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. SURFAC, SURFACARE and SURQUEST are registered trade marks to Surfachem Ltd. Material sold under the Surfachem Ltd trade marks are manufactured by 3rd party suppliers.