
SAFETY DATA SHEET

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

1.1 Product identifier

- Product Name: PREMIUM SURFACTANT
- UFI:

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

- Use of the substance/mixture: CONCENTRATED FOAMING SURFACTANT

1.3 Details of the supplier of the safety data sheet

- Name of Supplier: SMARTSEAL
- Address of Supplier: UNIT 3
65-67 CUTLERS ROAD
SOUTH WOODHAM FERRERS
CHELMSFORD
ESSEX
CM3 5WA
- Telephone: 01268722500
- Responsible Person: Nick Giannotti
- Email: Contactus@smartseal.co.uk

1.4 Emergency telephone number

- Emergency Telephone: 01268722500

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

- CLP: Skin Irrit. 2, Eye Dam. 1, Aquatic Acute 1, Aquatic Chronic 2

2.2 Label elements



GHS05



GHS09

- Signal Word: Danger

2.2.1 Hazard statements

- H315 - Causes skin irritation.
- H318 - Causes serious eye damage.
- H410 - Very toxic to aquatic life with long lasting effects.

2.2.2 Precautionary statements

- P264 - Wash hands, forearms and face thoroughly after handling.
- P273 - Avoid release to the environment.
- P280 - Wear protective gloves/protective clothing/eye protection/face protection.
- P302+P352 - IF ON SKIN: Wash with plenty of soap and water.

SECTION 2: Hazards identification (....)

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 - Immediately call a POISON CENTER or doctor/physician.

2.3 Other hazards

SECTION 3: Composition/information on ingredients**3.2 Mixtures****3.2.1 Amines, C12-14 (even numbered)-alkyldimethyl, Noxides**

CAS Number:

EC Number: 931-292-6

Concentration: 20 - 30%

Specific Concentration Limits: None assigned

M factor: Not available

Acute toxicity estimate: Not available

Categories: Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1, Aquatic Acute 1, Aquatic Chronic 2

SECTION 4: First aid measures**4.1 Description of first aid measures**

- First-aid measures general : Check the vital functions. If unconscious place in recovery position and seek medical advice. In case of respiratory arrest, administer artificial respiration. Cardiac arrest: perform resuscitation. Victim conscious with laboured breathing: half-seated. Victim in shock: on his back with legs slightly raised. Vomiting: prevent asphyxia/aspiration pneumonia. Prevent cooling by covering the victim (no warming up). Keep watching the victim. Give psychological aid. Keep the victim calm, avoid physical strain. Take victim to a doctor if irritation persists.

First-aid measures after inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Respiratory problems: consult a doctor/medical service.

First-aid measures after skin contact : Do not apply (chemical) neutralizing agents. Take victim to a doctor if irritation persists.

Wash with plenty of water.

First-aid measures after eye contact : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Do not apply (chemical) neutralizing agents. In case of eye irritation consult an ophthalmologist.

First-aid measures after ingestion : Rinse mouth thoroughly with water. In case of ingestion. Take to hospital.

4.2 Most important symptoms and effects, both acute and delayed

- Symptoms/effects after skin contact : Causes skin irritation
- Symptoms/effects after eye contact : Eye damage / irritation

4.3 Indication of any immediate medical attention and special treatment needed

- If exposed or concerned, get medical advice and attention.

SECTION 5: Firefighting measures

5.1 Extinguishing media

- Suitable extinguishing media : Water. Carbon dioxide (CO₂). sand. All extinguishing media can be used

5.2 Special hazards arising from the substance or mixture

- Fire hazard : Low.
Explosion hazard : None known.

5.3 Advice for firefighters

- Precautionary measures fire : Keep upwind. Do not inhale explosion and combustion gases.
Firefighting instructions : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Protection during firefighting : Wear a self-contained breathing apparatus and chemical protective clothing.
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SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- 6.1.1. For non-emergency personnel

Protective equipment : Gloves. face shield. protective clothing. Contact with walking surface may result in formation of slippery film/falling hazard.
Emergency procedures : Wash contaminated clothing immediately. Keep public away from danger area.

- 6.1.2. For emergency responders

Protective equipment : Wear protective gloves/protective clothing and eye/face protection.
Emergency procedures : Avoid contact with skin, eyes and clothes.

6.2 Environmental precautions

- Prevent soil and water pollution. Prevent spreading in sewers.

6.3 Methods and material for containment and cleaning up

- For containment : Contain leaking substance, pump over in suitable containers. Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal.

Methods for cleaning up : Contain leaking substance, pump over in suitable containers. Clean up any spills as soon as possible, using an absorbent material to collect it. Collect in closed and suitable containers for disposal. To clean the floor and all objects contaminated by this material, use plenty of water. Take off contaminated clothing.

Other information : Comply with local regulations for disposal.

6.4 Reference to other sections

- For personal protection, see Section 8. For waste disposal, see section 13.
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SECTION 7: Handling and storage

SECTION 7: Handling and storage (....)**7.1 Precautions for safe handling**

- Precautions for safe handling : Comply with applicable regulations. Remove contaminated clothing immediately. Clean contaminated objects and areas thoroughly observing environmental regulations. Keep away from sources of ignition - No smoking. Handle in accordance with good industrial hygiene and safety procedures. Discharge into the environment must be avoided. Keep container tightly closed. Either local exhaust or general room ventilation is usually required.

Hygiene measures : Handle in accordance with good industrial hygiene and safety procedures. Use good personal hygiene practices.

7.2 Conditions for safe storage, including any incompatibilities

- Technical measures : Clean bulk tanks periodically to prevent accumulation of bacteria.
Storage conditions : Protect against: frost. Protect against direct sunlight.
Storage temperature : see technical datasheet
Storage area : Store in a dry area. Comply with applicable regulations. Collect spillage.
Packaging materials : Plastic.

7.3 Specific end use(s)

- The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal.
The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

SECTION 8: Exposure controls/personal protection**8.1 Control parameters**

- DNEL (Industry; dermal, long term systemic effects): 11 mg/kg bw/day
- DNEL (Industry; inhalational, long term systemic effects): 6,2 mg/m³
- DNEL (Consumer; oral, long term systemic effects): 0.44 mg/kg bw/day
- DNEL (Consumer; inhalational, long term systemic effects): 1,53 mg/m³
- DNEL (Consumer; dermal, long term systemic effects): 5,5 mg/kg bodyweight/day
- PNEC: (Water)

PNEC aqua (freshwater) 0,0335 mg/l
PNEC aqua (marine water) 0,00335 mg/l
PNEC aqua (intermittent, freshwater) 0,0335 mg/l
PNEC aqua (intermittent, marine water) 0,0335 mg/l

- PNEC: (Sediment)

PNEC sediment (freshwater) 5,24 mg/kg dwt
PNEC sediment (marine water) 0,524 mg/kg dwt

- PNEC: (Soil)

PNEC soil 1,02 mg/kg dwt

- PNEC: (Oral)

PNEC oral (secondary poisoning) 0,0000111 kg/kg food

SECTION 8: Exposure controls/personal protection (....)

- PNEC: (STP)

PNEC sewage treatment plant 24 mg/l

8.2 Exposure controls

- No special precautions are required for this product

8.2.1. Appropriate engineering controls

No additional information available

8.2.2. Personal protection equipment

Personal protective equipment symbol(s):

See section 8.3

8.2.2.1. Eye and face protection

Eye protection:

Safety glasses (EN 166)

8.2.2.2. Skin protection

Skin and body protection:

Avoid contact with skin.

Hand protection:

Nitrile rubber gloves (thickness: 0.38mm)

8.2.2.3. Respiratory protection

Respiratory protection:

Not applicable

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:

Do not allow uncontrolled discharge of product into the environment.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Physical state: Liquid
- Colour: Colourless
- Odour: Characteristic
- Melting point/Range: No information available
- Boiling Point/Range: No information available
- Flammability: No information available
- pH: 6-8
- Solubility in water: Completely soluble in water
- Density: 0,97 kg/l @20°C
- Flashpoint: Not applicable

9.2 Other information

- No data available

SECTION 10: Stability and reactivity**10.1 Reactivity**

- Reacts with: Strong acids.

10.2 Chemical stability

- SECTION 7: Handling and storage.

10.3 Possibility of hazardous reactions

- Not established.

10.4 Conditions to avoid

- SECTION 7: Handling and storage.

10.5 Incompatible materials

- Strong acids. Materials that react violently or explosively with water

10.6 Hazardous decomposition products

- On burning: release of (highly) toxic gases/vapours. Nitrogen oxides (NO_x).
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SECTION 11: Toxicological information**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****11.1.1 Acute toxicity**

Acute toxicity (oral) : Not classified

Acute toxicity (dermal) : Not classified

Acute toxicity (inhalation) : Not classified

11.1.1.1 Amines, C12-14 (even numbered)-alkyldimethyl, Noxides

LD₅₀ (oral, rat): 1064 mg/kg

11.1.2 Skin corrosion/irritation

Skin corrosion/irritation : Causes skin irritation.

pH: 6 – 8

11.1.3 Serious eye damage/irritation

Serious eye damage/irritation : Causes serious eye damage.

pH: 6 – 8

11.1.4 Respiratory or skin sensitisation

Not classified (Based on available data, the classification criteria are not met)

11.1.5 Germ cell mutagenicity

Not classified (Based on available data, the classification criteria are not met)

11.1.6 Carcinogenicity

Not classified (Based on available data, the classification criteria are not met)

11.1.7 Reproductive toxicity

Not classified (Based on available data, the classification criteria are not met)

11.1.8 STOT (specific target organ toxicity) - single exposure

Not classified (Based on available data, the classification criteria are not met)

SECTION 11: Toxicological information (....)**11.1.9 STOT (specific target organ toxicity) - repeated exposure**

Not classified (Based on available data, the classification criteria are not met)

11.1.10 Aspiration hazard

Not classified (Based on available data, the classification criteria are not met)

11.2 Information on other hazards

11.2.1. Endocrine disrupting properties
Adverse health effects caused by endocrine
disrupting properties

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

11.2.2. Other information

No additional information available

SECTION 12: Ecological information**12.1 Toxicity**

- Ecology - general : This product contains hazardous components for the aquatic environment.

Hazardous to the aquatic environment, short-term : Very toxic to aquatic life
(acute)

Hazardous to the aquatic environment, long-term : Toxic to aquatic life with long lasting
effects.
(chronic)

12.1.1 <Chemical Name>

LC50 - Fish [1]	2,67 mg/l
EC50 - Crustacea [1]	3,1 mg/l
ErC50 algae	0,19 mg/l
NOEC (chronic)	0,067 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.

Biodegradation > 80 % OECD 310

12.3 Bioaccumulative potential**12.3.1 Amines, C12-14 (even numbered)-alkyldimethyl, Noxides**

Partition coefficient : n-Octanol/water (log Pow) 2,7

SECTION 12: Ecological information (....)**12.4 Mobility in soil**

- No additional information available

12.5 Results of PBT and vPvB assessment

- Not a PBT according to REACH Annex XIII

12.6 Endocrine disrupting properties

- The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

12.7 Other adverse effects

- No other effects known
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SECTION 13: Disposal considerations**13.1 Waste treatment methods**

Regional legislation (waste) : Waste disposal according to EC directives 75/442/EC, 91/689/EC and 2008/98/EC in the corresponding versions, covering waste and dangerous waste.

Waste treatment methods : Do not allow to enter into surface water or drains. Product should not be released into water without pre-treatment (biological sewage plant).

Sewage disposal recommendations : If discharging to municipal sewage treatment plant, no onsite wastewater treatment required.

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. This material should not be landfilled or deep well injected as a method of disposal. Recycled/recovered.

Remove to an authorized incinerator equipped with an afterburner and a flue gas scrubber.

Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information**Dangerous Substance****Environmentally hazardous****14.1 UN number or ID number**

- UN No.: 3082

14.2 UN proper shipping name

- Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

14.3 Transport hazard class(es)

- Hazard Class: 9

14.4 Packing group

- Packing Group: III
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SECTION 14: Transport information (....)

14.5 Environmental hazards

- Dangerous for the environment : Yes

Marine pollutant : Yes

Other information : No supplementary information available

14.6 Special precautions for user

- ADR Classification Code: M6
- Tunnel Restriction Code: -
- Tunnel Tank Restriction Codes: LGBV
- Tunnel Bulk Restriction Codes: -/B/C/D

14.7 Maritime transport in bulk according to IMO instruments

- Not applicable
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SECTION 15: Regulatory information

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

- According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010. Labelling according to Regulation (EC) No. 1272/2008 [CLP]. Other regulations (EU). Not applicable

15.2 Chemical safety assessment

- A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.
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SECTION 16: Other information

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

--- end of safety datasheet ---
