



STAR
INTERNATIONAL
SAFETY DATA SHEET
STAR BOW AND STERN
PRODUCT CODE: 00910012

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Product name STAR BOW AND STERN

Product number 00910012

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

Identified uses STAR BOW AND STERN is a non-caustic liquid blend of surfactants, alkali and solvent in concentrated form designed for the removal of soil from hard surfaces.

For decks, walls, floors and paintwork use at a dilution of between 1 and 2% in water. Apply by spray, brush or sponge.

For machinery and engines use at a dilution between 1 and 10% in water. Apply by spray, brush or sponge.

For pressure washing and steam cleaning use in the detergent tank at a dilution of between 1 and 2% in water.

In all applications higher concentrations may be required depending on the degree of soiling. After use rinse off with clean water

1.3. Details of the supplier of the safety data sheet

Supplier Star International
Star House
Turbine Business Park
Turbine Road
Birkenhead
Merseyside
CH41 9BA
Tel: +44 (0) 1244 504 500
Fax: +44 (0) 1244 504 504
www.star-international.co.uk

1.4. Emergency telephone number

Emergency telephone +44 (0) 1244 504 500 (Office hours only)

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Classification (SI 2019 No. 720)**

Physical hazards Not Classified

Health hazards Skin Irrit. 2 - H315 Eye Dam. 1 - H318

Environmental hazards Not Classified

2.2. Label elements

STAR BOW AND STERN

Hazard pictograms



Signal word	Danger
Hazard statements	H315 Causes skin irritation. H318 Causes serious eye damage.
Precautionary statements	P264 Wash contaminated skin thoroughly after handling. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P302+P352 IF ON SKIN: Wash with plenty of water. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P362+P364 Take off contaminated clothing and wash it before reuse. P501 Dispose of contents/ container in accordance with local regulations.
Contains	SURFAC UN65/95, SOLUTION OF NATURAL FATTY ALCOHOLS, SODIUM METASILICATE
Supplementary precautionary statements	P310 Immediately call a POISON CENTER/ doctor. P321 Specific treatment (see medical advice on this label). P332+P313 If skin irritation occurs: Get medical advice/ attention.

2.3. Other hazards

Not available.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

DGMBE SOLVENT	5-10%
CAS number: 112-34-5	EC number: 203-961-6
Classification	
Eye Irrit. 2 - H319	
SURFAC UN65/95	5-10%
CAS number: 68439-46-3	
Classification	
Acute Tox. 4 - H302 Eye Dam. 1 - H318	
SOLUTION OF NATURAL FATTY ALCOHOLS	1-5%
CAS number: 68515-73-1	
EC number: 500-220-1	
Classification	
Eye Dam. 1 - H318	

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SODIUM CARBONATE	1-5%
CAS number: 497-19-8	EC number: 207-838-8
Classification	
Eye Irrit. 2 - H319	
SODIUM METASILICATE	1-5%
CAS number: 10213-79-3	EC number: 229-912-9
Classification	
Met. Corr. 1 - H290	
Skin Corr. 1B - H314	
Eye Dam. 1 - H318	
STOT SE 3 - H335	
CAPROLACTAM -Eta	<1%
CAS number: 105-60-2	EC number: 203-313-2
Classification	
Acute Tox. 4 - H302	
Acute Tox. 4 - H332	
Skin Irrit. 2 - H315	
Eye Irrit. 2 - H319	
STOT SE 3 - H335	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention if any discomfort continues.
Ingestion	Do not induce vomiting. Rinse mouth thoroughly with water. Give plenty of water to drink. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention if any discomfort continues.
Skin contact	Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention.
Eye contact	Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention.

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

Skin contact	Causes skin irritation.
Eye contact	Causes serious eye damage.

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

Notes for the doctor	No information available.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Use fire-extinguishing media suitable for the surrounding fire.

STAR BOW AND STERN

5.2. Special hazards arising from the substance or mixture

Specific hazards In case of fire, toxic and corrosive gases may be formed.

5.3. Advice for firefighters

Special protective equipment for firefighters Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

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.

6.2. Environmental precautions

Environmental precautions Avoid discharge to the aquatic environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water.

6.4. Reference to other sections

Reference to other sections Wear protective clothing as described in Section 8 of this safety data sheet.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Avoid spilling. Avoid contact with skin and eyes. Wear appropriate clothing to prevent any possibility of skin contact. Use only in well-ventilated areas.

7.2. Conditions for safe storage, including any incompatibilities

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

Storage class Chemical storage.

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

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Long-term exposure limit (8-hour TWA): WEL 10 ppm 67,5 mg/m³

Short-term exposure limit (15-minute): WEL 15 ppm 101,2 mg/m³

CAPROLACTAM -Eta

Long-term exposure limit (8-hour TWA): WEL 1 mg/m³

Short-term exposure limit (15-minute): WEL 3 mg/m³

WEL = Workplace Exposure Limit.

DGMBE SOLVENT (CAS: 112-34-5)

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DNEL	<p>Workers - Inhalation; Short term local effects: 101.2 mg/m³</p> <p>Workers - Dermal; Long term systemic effects: 83 mg/kg/day</p> <p>Workers - Inhalation; Long term systemic effects: 67.5 mg/m³</p> <p>Workers - Inhalation; Long term local effects: 67.5 mg/m³</p> <p>Workers - Inhalation; Short term local effects: 60.7 mg/m³</p> <p>Consumer - Dermal; Long term systemic effects: 50 mg/kg/day</p> <p>Consumer - Inhalation; Long term systemic effects: 40.5 mg/m³</p> <p>Consumer - Oral; Long term systemic effects: 5 mg/kg/day</p> <p>Consumer - Inhalation; Long term local effects: 40.5 mg/m³</p>
PNEC	<ul style="list-style-type: none"> - Fresh water; 1.1 mg/l - Sediment (Freshwater); 4.4 mg/kg - Intermittent release; 11 mg/l - Sediment (Marinewater); 0.44 mg/kg - marine water; 0.1 mg/l - STP; 200 mg/l - Soil; 0.32 mg/kg

SOLUTION OF NATURAL FATTY ALCOHOLS (CAS: 68515-73-1)

DNEL	<p>Professional - Dermal; systemic effects: 59500 mg/kg/day</p> <p>Professional - Inhalation; systemic effects: 490 mg/m³</p> <p>Professional - Dermal; systemic effects: 357000 mg/kg/day</p> <p>Consumer - Inhalation; systemic effects: 124 mg/m³</p> <p>Consumer - Oral; systemic effects: 35.7 mg/kg/day</p>
PNEC	<ul style="list-style-type: none"> - Fresh water; 0.1 mg/l - marine water; 0.01 mg/l - Sediment (Freshwater); 0.487 mg/kg - Sediment (Marinewater); 0.048 mg/kg - STP; 560 mg/l - Soil; 0.654 mg/kg

SODIUM CARBONATE (CAS: 497-19-8)

Ingredient comments	No exposure limits known for ingredient(s).
DNEL	<p>Industry - Inhalation; Long term local effects: 10 mg/m³</p> <p>Consumer - Inhalation; Short term local effects: 10 mg/m³</p>

SODIUM METASILICATE (CAS: 10213-79-3)

Ingredient comments	No exposure limits known for ingredient(s).
DNEL	<p>Industry - Dermal; Long term : 1.49 mg/kg/day</p> <p>Industry - Inhalation; Long term : 6.22 mg/m³</p> <p>Consumer - Dermal; Long term : 0.74 mg/kg/day</p> <p>Consumer - Inhalation; Long term : 1.55 mg/m³</p> <p>Consumer - Oral; Long term : 0.74 mg/kg/day</p>
PNEC	<ul style="list-style-type: none"> - Fresh water; 7.5 mg/l - marine water; 1 mg/l - Intermittent release; 7.5 mg/l - STP; 1000 mg/l

8.2. Exposure controls

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Protective equipment



Appropriate engineering controls

Provide adequate general and local exhaust ventilation.

Eye/face protection

The following protection should be worn: Chemical splash goggles. Personal protective equipment that provides appropriate eye and face protection should be worn.

Hand protection

Wear protective gloves. 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. To protect hands from chemicals, wear gloves that are proven to be impervious to the chemical and resist degradation.

Other skin and body protection

Wear appropriate clothing to prevent any possibility of skin contact.

Hygiene measures

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

Respiratory protection

No specific recommendations. Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit. If ventilation is inadequate, suitable respiratory protection must be worn.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Blue.
Odour	Characteristic.
pH	pH (concentrated solution): 12-13
Relative density	~1.06 @ 20°C
Solubility(ies)	Soluble in water.

9.2. Other information

Other information	Not available.
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	No information available.
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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 available.
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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

STAR BOW AND STERN

Materials to avoid No information available.

10.6. Hazardous decomposition products

Hazardous decomposition products Fire creates: Toxic gases/vapours/fumes of: Carbon monoxide (CO). Carbon dioxide (CO₂).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

ATE oral (mg/kg) 10,000.0

Skin corrosion/irritation

Skin corrosion/irritation Irritating to skin.

Serious eye damage/irritation

Serious eye damage/irritation Causes serious eye damage.

Respiratory sensitisation

Respiratory sensitisation Based on available data the classification criteria are not met.

Skin sensitisation

Skin sensitisation Based on available data the classification criteria are not met.

Germ cell mutagenicity

Genotoxicity - in vitro Based on available data the classification criteria are not met.

Carcinogenicity

Carcinogenicity Based on available data the classification criteria are not met.

Reproductive toxicity

Reproductive toxicity - fertility Based on available data the classification criteria are not met.

Specific target organ toxicity - single exposure

STOT - single exposure Based on available data the classification criteria are not met.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure Based on available data the classification criteria are not met.

Aspiration hazard

Aspiration hazard Based on available data the classification criteria are not met.

Inhalation May cause respiratory system irritation.

Ingestion May cause discomfort if swallowed.

Skin contact Causes skin irritation.

Eye contact Causes serious eye damage.

Toxicological information on ingredients.

DGMBE SOLVENT

Acute toxicity - oral

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

Species Rat

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Notes (oral LD₅₀)	LD ₅₀ 2410 mg/kg, , Mouse
<u>Acute toxicity - dermal</u>	
Acute toxicity dermal (LD₅₀ mg/kg)	2,000.0
Species	Rabbit
Notes (dermal LD₅₀)	LD ₅₀ 2764 mg/kg, , Rabbit
<u>Acute toxicity - inhalation</u>	
Notes (inhalation LC₅₀)	>29 ppm, Inhalation, Rat
<u>Skin corrosion/irritation</u>	
Animal data	Not irritating.
<u>Serious eye damage/irritation</u>	
Serious eye damage/irritation	Irritating to eyes.
<u>Respiratory sensitisation</u>	
Respiratory sensitisation	No specific test data are available.
<u>Skin sensitisation</u>	
Skin sensitisation	Guinea pig maximization test (GPMT) - : Not sensitising.
<u>Germ cell mutagenicity</u>	
Genotoxicity - in vitro	This substance has no evidence of mutagenic properties.
<u>Carcinogenicity</u>	
Carcinogenicity	No specific test data are available.
<u>Reproductive toxicity</u>	
Reproductive toxicity - fertility	This substance has no evidence of toxicity to reproduction.
Reproductive toxicity - development	This substance has no evidence of toxicity to reproduction.
<u>Specific target organ toxicity - repeated exposure</u>	
STOT - repeated exposure	Prolonged or repeated exposure may cause the following adverse effects: Liver and/or kidney damage.
<u>Aspiration hazard</u>	
Aspiration hazard	Not available.
<u>Inhalation</u>	
Inhalation	May cause respiratory system irritation.
<u>Ingestion</u>	
Ingestion	May cause discomfort if swallowed.
<u>Skin contact</u>	
Skin contact	May be slightly irritating to skin.
<u>Eye contact</u>	
Eye contact	Causes serious eye irritation.

SURFAC UN65/95

Skin corrosion/irritation

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Skin corrosion/irritation	May cause skin irritation.
<u>Serious eye damage/irritation</u>	
Serious eye damage/irritation	Causes serious eye damage.
<u>Respiratory sensitisation</u>	
Respiratory sensitisation	Based on available data the classification criteria are not met.
<u>Skin sensitisation</u>	
Skin sensitisation	Based on available data the classification criteria are not met.
<u>Germ cell mutagenicity</u>	
Genotoxicity - in vitro	Based on available data the classification criteria are not met.
<u>Carcinogenicity</u>	
Carcinogenicity	Based on available data the classification criteria are not met.
<u>Reproductive toxicity</u>	
Reproductive toxicity - fertility	Based on available data the classification criteria are not met.
<u>Specific target organ toxicity - single exposure</u>	
STOT - single exposure	Based on available data the classification criteria are not met.
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Inhalation	May cause respiratory system irritation.
Ingestion	Harmful if swallowed.
Skin contact	May cause skin irritation/eczema.
Eye contact	Causes serious eye damage.

SOLUTION OF NATURAL FATTY ALCOHOLS

<u>Acute toxicity - oral</u>	
Acute toxicity oral (LD₅₀ mg/kg)	5,000.0
Species	Rat
ATE oral (mg/kg)	5,000.0
<u>Acute toxicity - dermal</u>	
Acute toxicity dermal (LD₅₀ mg/kg)	2,000.0
Species	Rabbit

SODIUM CARBONATE

<u>Acute toxicity - oral</u>	
Acute toxicity oral (LD₅₀ mg/kg)	4,090.0
Species	Rat

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Skin corrosion/irritation

Animal data Not irritating.

Serious eye damage/irritation

Serious eye damage/irritation Irritating.

Respiratory sensitisation

Respiratory sensitisation No information available.

Skin sensitisation

Skin sensitisation No information available.

Germ cell mutagenicity

Genotoxicity - in vitro This substance has no evidence of mutagenic properties.

Carcinogenicity

Carcinogenicity No evidence of carcinogenicity in animal studies.

Reproductive toxicity

Reproductive toxicity - fertility No evidence of reproductive toxicity in animal studies.

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 system irritation.

Ingestion May cause discomfort if swallowed.

Skin contact May be slightly irritating to skin.

Eye contact Causes serious eye irritation.

SODIUM METASILICATE

Skin corrosion/irritation

Skin corrosion/irritation Corrosive to skin.

Serious eye damage/irritation

Serious eye damage/irritation Causes serious eye damage.

Respiratory sensitisation

Respiratory sensitisation Not sensitising.

Skin sensitisation

Skin sensitisation Not sensitising.

Germ cell mutagenicity

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Genotoxicity - in vitro	Negative.
Genotoxicity - in vivo	Negative.
<u>Carcinogenicity</u>	
Carcinogenicity	No information available.
<u>Reproductive toxicity</u>	
Reproductive toxicity - fertility	Fertility - NOAEL >159 mg/kg/day, , Rat - NOAEL >200 mg/kg/day, , Mouse
<u>Specific target organ toxicity - single exposure</u>	
STOT - single exposure	Irritating to respiratory system.
<u>Specific target organ toxicity - repeated exposure</u>	
STOT - repeated exposure	NOAEL 227 mg/kg, Oral, Rat
<u>Aspiration hazard</u>	
Aspiration hazard	No information available.
.	
Inhalation	May cause respiratory irritation.
Ingestion	May cause severe internal injury.
Skin contact	Causes severe skin burns and eye damage.
Eye contact	Causes severe skin burns and eye damage.
Acute and chronic health hazards	Contact with this chemical can be hazardous. This product is corrosive. This product may cause skin and eye irritation. Prolonged contact may cause burns.

CAPROLACTAM -Eta

Acute toxicity - inhalation

ATE inhalation (dusts/mists mg/l)	1.5
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SECTION 12: Ecological information

Ecotoxicity	The product is not expected to be hazardous to the environment. However, large or frequent spills may have hazardous effects on the environment.
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Ecological information on ingredients.

DGMBE SOLVENT

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.
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SODIUM CARBONATE

Ecotoxicity	The product components are not classified as environmentally hazardous. However, large or frequent spills may have hazardous effects on the environment.
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SODIUM METASILICATE

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Ecotoxicity

The product components are not classified as environmentally hazardous. However, large or frequent spills may have hazardous effects on the environment. The product may affect the acidity (pH) of water which may have hazardous effects on aquatic organisms.

12.1. Toxicity

Ecological information on ingredients.

DGMBE SOLVENT

Toxicity

Not considered toxic to fish.

Acute aquatic toxicity

Acute toxicity - fish

LC₅₀, 96 hours: 2700 mg/l, Fish

LC₅₀, 96 hours: 1300 mg/l, Lepomis macrochirus (Bluegill)

Acute toxicity - aquatic invertebrates

EC₅₀, 48 hours: 101 mg/l, Daphnia magna

Acute toxicity - aquatic plants

EC₅₀, 96 hours: >100 mg/l, Freshwater plants

SURFAC UN65/95

Acute aquatic toxicity

Acute toxicity - fish

LC₅₀, 96 hours: 1 - 10 mg/l, Fish

SOLUTION OF NATURAL FATTY ALCOHOLS

Acute aquatic toxicity

Acute toxicity - fish

LC₅₀, 96 hours: 126 mg/l, Brachydanio rerio (Zebra Fish)

Acute toxicity - aquatic invertebrates

EC₅₀, 48 hours: >100 mg/l, Daphnia magna

Acute toxicity - aquatic plants

LC₅₀, 72 hours: 27.11 mg/l, Scenedesmus subspicatus

SODIUM CARBONATE

Acute aquatic toxicity

Acute toxicity - fish

, 96 hours: 300 mg/l, Lepomis macrochirus (Bluegill)

Acute toxicity - aquatic invertebrates

, 48 hours: 265 mg/l, Daphnia magna

SODIUM METASILICATE

Toxicity

The product may affect the acidity (pH) of water which may have hazardous effects on aquatic organisms.

Acute aquatic toxicity

Acute toxicity - fish

LC₅₀, 96 hours: 180 mg/l, Fish

Acute toxicity - aquatic invertebrates

EC₅₀, 48 hours: 1700 mg/l, Daphnia magna

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Acute toxicity - aquatic plants

EC₅₀, 72 hours: ~ 207 mg/l, Scenedesmus subspicatus

12.2. Persistence and degradability

Persistence and degradability No data available.

Ecological information on ingredients.

DGMBE SOLVENT

Persistence and degradability

The product is readily biodegradable.

Biodegradation

- Degradation 80-90%: 28 days

SURFAC UN65/95

Persistence and degradability

This surfactant complies with the biodegradability criteria as laid down in The Detergents Regulations (as amended).

SOLUTION OF NATURAL FATTY ALCOHOLS

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.

SODIUM CARBONATE

Persistence and degradability

The product contains mainly inorganic substances which are not biodegradable.

SODIUM METASILICATE

Persistence and degradability

The product contains only inorganic substances which are not biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

Ecological information on ingredients.

DGMBE SOLVENT

Bioaccumulative potential

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

Partition coefficient

: 0.56

SURFAC UN65/95

Bioaccumulative potential

No data available on bioaccumulation.

SODIUM CARBONATE

Bioaccumulative potential

The product is not bioaccumulating.

SODIUM METASILICATE

STAR BOW AND STERN

Bioaccumulative potential The product is not bioaccumulating.

12.4. Mobility in soil

Ecological information on ingredients.

DGMBE SOLVENT

Mobility The product is soluble in water.

SOLUTION OF NATURAL FATTY ALCOHOLS

Mobility The product is soluble in water.

SODIUM CARBONATE

Mobility The product is soluble in water.

SODIUM METASILICATE

Mobility The product is soluble in water.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current UK criteria.

Ecological information on ingredients.

DGMBE SOLVENT

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current UK criteria.

SURFAC UN65/95

Results of PBT and vPvB assessment No information available.

SOLUTION OF NATURAL FATTY ALCOHOLS

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current UK criteria.

SODIUM CARBONATE

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current UK criteria.

SODIUM METASILICATE

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current UK criteria.

12.6. Other adverse effects

Other adverse effects Not available.

Ecological information on ingredients.

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DGMBE SOLVENT

Other adverse effects Not determined.

SURFAC UN65/95

Other adverse effects Not available.

SODIUM CARBONATE

Other adverse effects Not available.

SODIUM METASILICATE

Other adverse effects The product may affect the acidity (pH) of water which may have hazardous effects on aquatic organisms.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information When handling waste, the safety precautions applying to handling of the product should be considered.

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

Transport in bulk according to Not applicable.

Annex II of MARPOL 73/78

and the IBC Code

SECTION 15: Regulatory information

STAR BOW AND STERN

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

15.2. Chemical safety assessment

Not available.

SECTION 16: Other information

General information	Only trained personnel should use this material.
Key literature references and sources for data	Source: European Chemicals Agency, http://echa.europa.eu/ MARPOL 73/78 Annex II - Regulations for the Control of Pollution by Noxious Liquid Substances in Bulk. Health and Safety Executive (HSE).
Revision date	02/05/2023
Revision	1
Supersedes date	12/05/2020
SDS number	21484
Hazard statements in full	H290 May be corrosive to metals. H302 Harmful if swallowed. H314 Causes severe skin burns and eye damage. H315 Causes skin irritation. H318 Causes serious eye damage. H319 Causes serious eye irritation. H332 Harmful if inhaled. H335 May cause respiratory irritation.
Signature	Edita Dabasinskaite