SAFETY DATA SHEET
TRANSPORT ULTRA

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

1.1. Product identifier

<table>
<thead>
<tr>
<th>Product name</th>
<th>TRANSPORT ULTRA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product number</td>
<td>SPR007/10</td>
</tr>
</tbody>
</table>

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

Identified uses: Water conditioning agent and surfactant.

1.3. Details of the supplier of the safety data sheet

<table>
<thead>
<tr>
<th>Supplier</th>
<th>Headland Amenity Ltd</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1 Burr Elm Court</td>
</tr>
<tr>
<td></td>
<td>Main Street</td>
</tr>
<tr>
<td></td>
<td>Caldecote</td>
</tr>
<tr>
<td></td>
<td>Cambridge</td>
</tr>
<tr>
<td></td>
<td>Cambridgeshire</td>
</tr>
<tr>
<td></td>
<td>CB23 7NU</td>
</tr>
<tr>
<td></td>
<td>Tel. +44 (0)1223 491090</td>
</tr>
<tr>
<td></td>
<td><a href="mailto:sds.enquiries@headlandamenity.com">sds.enquiries@headlandamenity.com</a></td>
</tr>
</tbody>
</table>

Contact person: Wendy Johnson

1.4. Emergency telephone number

| Emergency telephone | +44 (0)1223 491090 (9.00 - 5.00 GMT Mon-Fri) |

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

<table>
<thead>
<tr>
<th>Classification (EC 1272/2008)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical hazards</td>
</tr>
<tr>
<td>Health hazards</td>
</tr>
<tr>
<td>Environmental hazards</td>
</tr>
</tbody>
</table>

Physical hazards: Not Classified

Health hazards: Skin Corr. 1B - H314 Eye Dam. 1 - H318 STOT SE 3 - H335

Environmental hazards: Aquatic Chronic 2 - H411

2.2. Label elements

Pictogram

Signal word: Danger

Hazard statements:

H314 Causes severe skin burns and eye damage.
H335 May cause respiratory irritation.
H411 Toxic to aquatic life with long lasting effects.
## Precautionary statements

- **P260** Do not breathe vapour/spray.
- **P280** Wear protective gloves, protective clothing and eye protection.
- **P301+P330+P331** IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
- **P303+P361+P353** IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
- **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/doctor.

### Contains

- TALLOW ALKYLAMINE ETHOXYLATE, SULPHURIC ACID, ISODECYL ALCOHOL ETHOXYLATE (POE 6), 2-AMINOETHANOL, TRIDECYL ALCOHOL ETHOXYLATE (POE 6), PHOSPHATE ESTER, BUTANOL-NORM

## 2.3. Other hazards

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

**TALLOW ALKYLAMINE ETHOXYLATE**

- **10-30%**
- **CAS number:** 61791-26-2
- **EC number:** 500-153-8
- **M factor (Acute)** = 1
- **M factor (Chronic)** = 1

**Classification**

- Acute Tox. 4 - H302
- Skin Corr. 1B - H314
- Eye Dam. 1 - H318
- Aquatic Acute 1 - H400
- Aquatic Chronic 1 - H410

**Classification (67/548/EEC or 1999/45/EC)**

- Xn; R22. C; R34. N; R50/53

**SULPHURIC ACID**

- **10-30%**
- **CAS number:** 7664-93-9
- **EC number:** 231-639-5

**Classification**

- Skin Corr. 1A - H314
- Eye Dam. 1 - H318

**Classification (67/548/EEC or 1999/45/EC)**

- C; R35

**ISODECYL ALCOHOL ETHOXYLATE (POE 6)**

- **5-10%**
- **CAS number:** 78330-20-8
- **EC number:** 616-607-4
- **M factor (Acute)** = 1

**Classification**

- Acute Tox. 4 - H302
- Skin Irrit. 2 - H315
- Eye Dam. 1 - H318
- Aquatic Acute 1 - H400

**Classification (67/548/EEC or 1999/45/EC)**

- Xn; R22. Xi; R41, R38. N; R50
### TRANSPORT ULTRA

<table>
<thead>
<tr>
<th>2-AMINOETHANOL</th>
<th>5-10%</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS number: 141-43-5</td>
<td>EC number: 205-483-3</td>
</tr>
<tr>
<td>Classification</td>
<td>Classification (67/548/EEC or 1999/45/EC)</td>
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<tr>
<td>Acute Tox. 4 - H302</td>
<td>Xn; R20/21/22. C; R34. Xi; R37. R52/53</td>
</tr>
<tr>
<td>Acute Tox. 4 - H312</td>
<td></td>
</tr>
<tr>
<td>Acute Tox. 4 - H332</td>
<td></td>
</tr>
<tr>
<td>Skin Corr. 1B - H314</td>
<td></td>
</tr>
<tr>
<td>Eye Dam. 1 - H318</td>
<td></td>
</tr>
<tr>
<td>STOT SE 3 - H335</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>2,2'-OXYBISETHANOL</th>
<th>5-10%</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS number: 111-46-6</td>
<td>EC number: 203-872-2</td>
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<tr>
<td>Classification</td>
<td>Classification (67/548/EEC or 1999/45/EC)</td>
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<tr>
<td>Acute Tox. 4 - H302</td>
<td>Xn; R22, R48/20/21/22</td>
</tr>
<tr>
<td>STOT RE 2 - H373</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>TRIDECYL ALCOHOL ETHOXYLATE (POE 6), PHOSPHATE ESTER</th>
<th>5-10%</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS number: 9046-01-9</td>
<td>EC number: 618-558-4</td>
</tr>
<tr>
<td>Classification</td>
<td>Classification (67/548/EEC or 1999/45/EC)</td>
</tr>
<tr>
<td>Skin Irrit. 2 - H315</td>
<td>Xi; R41, R38. N; R51/53</td>
</tr>
<tr>
<td>Eye Dam. 1 - H318</td>
<td></td>
</tr>
<tr>
<td>Aquatic Chronic 2 - H411</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>BUTANOL-NORM</th>
<th>1-5%</th>
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</thead>
<tbody>
<tr>
<td>CAS number: 71-36-3</td>
<td>EC number: 200-751-6</td>
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<tr>
<td>Classification</td>
<td>Classification (67/548/EEC or 1999/45/EC)</td>
</tr>
<tr>
<td>Flam. Liq. 3 - H226</td>
<td>Xn; R22. Xi; R41, R37/38. R10, R67</td>
</tr>
<tr>
<td>Acute Tox. 4 - H302</td>
<td></td>
</tr>
<tr>
<td>Skin Irrit. 2 - H315</td>
<td></td>
</tr>
<tr>
<td>Eye Dam. 1 - H318</td>
<td></td>
</tr>
<tr>
<td>STOT SE 3 - H335, H336</td>
<td></td>
</tr>
</tbody>
</table>

The Full Text for all R-phrases and Hazard Statements are displayed in Section 16.

### Composition comments
- The data shown are in accordance with the latest EC Directives.

### 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**
- Get medical attention immediately. Never give anything by mouth to an unconscious person. Rinse mouth. Do not induce vomiting.
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Skin contact
Remove contaminated clothing and rinse skin thoroughly with water. Wash skin thoroughly with soap and water. Get medical attention immediately. Wash contaminated clothing before reuse.

Eye contact
Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.

4.2. Most important symptoms and effects, both acute and delayed
Inhalation
Information not available.

Ingestion
Information not available.

Skin contact
Information not available.

Eye contact
Information not available.

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

SECTION 5: Firefighting measures

5.1. Extinguishing media
Suitable extinguishing media

Unsuitable extinguishing media
Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture
Specific hazards
Combustion may yield smoke, oxides of carbon and other products of incomplete combustion. Oxides of sulphur, nitrogen or phosphorus may also be formed. Can be dangerous when exposed to extreme heat and flame. Do not allow water to directly enter storage containers as violent reaction may occur. Responders should consider the need for evacuation based on emitted decomposition products. Flammable hydrogen may be produced on prolonged contact with metals such as aluminium, tin, lead and zinc. Do not breathe mist/vapour/spray.

Hazardous combustion products

5.3. Advice for firefighters
Protective actions during firefighting
Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Avoid the spillage or runoff entering drains, sewers or watercourses.

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
Evacuate area. Wear protective clothing as described in Section 8 of this safety data sheet.

6.2. Environmental precautions
Environmental precautions
Contain the spillage using bunding.

6.3. Methods and material for containment and cleaning up
Methods for cleaning up
Contain the spillage using bunding. Absorb spillage with non-combustible, absorbent material.

6.4. Reference to other sections
Reference to other sections
For personal protection, see Section 8. For waste disposal, see Section 13.

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

Usage precautions
Avoid contact with skin and eyes. Use only outdoors or in a well-ventilated area. Mechanical ventilation or local exhaust ventilation may be required. Use suitable respiratory protection if ventilation is inadequate.

Advice on general occupational hygiene
Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Take off immediately all contaminated clothing and wash it before reuse. Remove contaminated clothing and protective equipment before entering eating areas.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions
Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep away from heat, sparks and open flame. Store at temperatures above 5°C. Will corrode incompatible metals such as aluminium, copper, zinc and mild steel.

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

SULPHURIC ACID
Long-term exposure limit (8-hour TWA): WEL 0.05 mg/m³ mist (thoracic fraction)

2-AMINOETHANOL
Long-term exposure limit (8-hour TWA): WEL 1 ppm 2.5 mg/m³
Short-term exposure limit (15-minute): WEL 3 ppm 7.6 mg/m³
Sk

2,2'-OXYBISETHANOL
Long-term exposure limit (8-hour TWA): WEL 23 ppm 101 mg/m³

BUTANOL-NORM
Short-term exposure limit (15-minute): WEL 50 ppm 154 mg/m³
Sk
WEL = Workplace Exposure Limit
Sk = Can be absorbed through the skin.

8.2. Exposure controls

Protective equipment

Eye/face protection
Wear tight-fitting, chemical splash goggles or face shield. Provide eyewash station.

Hand protection
Chemical resistant gloves.

Other skin and body protection
Wear appropriate clothing to prevent any possibility of skin contact.

Hygiene measures
Wash hands thoroughly after handling. Wash promptly if skin becomes contaminated. Remove contaminated clothing and protective equipment before entering eating areas. Wash at the end of each work shift and before eating, smoking and using the toilet. Eye wash facilities and emergency shower must be available when handling this product.

Respiratory protection
No specific requirements are anticipated under normal conditions of use. If ventilation is inadequate, suitable respiratory protection must be worn. Protect against spray mists.
## SECTION 9: Physical and Chemical Properties

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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Appearance</strong></td>
<td>Liquid.</td>
</tr>
<tr>
<td><strong>Colour</strong></td>
<td>Golden yellow.</td>
</tr>
<tr>
<td><strong>Odour</strong></td>
<td>Fatty.</td>
</tr>
<tr>
<td><strong>Odour threshold</strong></td>
<td>No information available.</td>
</tr>
<tr>
<td><strong>pH</strong></td>
<td>pH (diluted solution): 2.0-2.5 5% (v/v in water)</td>
</tr>
<tr>
<td><strong>Melting point</strong></td>
<td>No information available.</td>
</tr>
<tr>
<td><strong>Initial boiling point and range</strong></td>
<td>No information available.</td>
</tr>
<tr>
<td><strong>Flash point</strong></td>
<td>&gt; 93°C SETA Closed Cup.</td>
</tr>
<tr>
<td><strong>Evaporation rate</strong></td>
<td>No information available.</td>
</tr>
<tr>
<td><strong>Flammability (solid, gas)</strong></td>
<td>No information available.</td>
</tr>
<tr>
<td><strong>Vapour pressure</strong></td>
<td>No information available.</td>
</tr>
<tr>
<td><strong>Vapour density</strong></td>
<td>No information available.</td>
</tr>
<tr>
<td><strong>Relative density</strong></td>
<td>1.19-1.20 @ 20°C</td>
</tr>
<tr>
<td><strong>Bulk density</strong></td>
<td>No information available.</td>
</tr>
<tr>
<td><strong>Solubility(ies)</strong></td>
<td>Soluble in water.</td>
</tr>
<tr>
<td><strong>Partition coefficient</strong></td>
<td>No information available.</td>
</tr>
<tr>
<td><strong>Auto-ignition temperature</strong></td>
<td>No information available.</td>
</tr>
<tr>
<td><strong>Decomposition Temperature</strong></td>
<td>No information available.</td>
</tr>
<tr>
<td><strong>Viscosity</strong></td>
<td>No information available.</td>
</tr>
<tr>
<td><strong>Explosive properties</strong></td>
<td>Not considered to be explosive.</td>
</tr>
<tr>
<td><strong>Oxidising properties</strong></td>
<td>Does not meet the criteria for classification as oxidising.</td>
</tr>
</tbody>
</table>

### 9.2. Other information

No other relevant information available.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

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

### 10.2. Chemical stability

**Stability**
Stable at normal ambient temperatures and when used as recommended.

### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions**
Flammable hydrogen may be produced on prolonged contact with metals such as aluminium, tin, lead and zinc.

### 10.4. Conditions to avoid

**Conditions to avoid**
Extreme heat/open flame/incompatibles.

### 10.5. Incompatible materials
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Materials to avoid
Oxidising agents. Strong acids. Strong alkalis. Susceptible metals such as aluminium, tin, lead and zinc.

10.6. Hazardous decomposition products
Hazardous decomposition products
None known.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral
Acute toxicity oral (LD$_{50}$ mg/kg) 5,000.0
Species Rat
ATE oral (mg/kg) 5,000.0

Acute toxicity - dermal
Acute toxicity dermal (LD$_{50}$ mg/kg) 5,000.0
Species Rat
ATE dermal (mg/kg) 5,000.0

Acute toxicity - inhalation
ATE inhalation (vapours mg/l) 146.67

Inhalation No information available.
Ingestion No information available.
Skin contact No information available.
Eye contact No information available.

SECTION 12: Ecological information

12.1. Toxicity

12.2. Persistence and degradability
Persistence and degradability No information available.

12.3. Bioaccumulative potential
Bioaccumulative potential No information available.
Partition coefficient No information available.

12.4. Mobility in soil
Mobility The product is soluble in water.

12.5. Results of PBT and vPvB assessment
Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects
Other adverse effects Not known.
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SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information
Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

SECTION 14: Transport information

14.1. UN number

UN No. (ADR/RID) 1760
UN No. (IMDG) 1760
UN No. (ICAO) 1760
UN No. (ADN) 1760

14.2. UN proper shipping name

Proper shipping name (ADR/RID) CORROSIVE LIQUID, N.O.S. (CONTAINS SULPHURIC ACID, TALLOW ALKYLAMINE ETHOXYLATE)
Proper shipping name (IMDG) CORROSIVE LIQUID, N.O.S. (CONTAINS SULPHURIC ACID, TALLOW ALKYLAMINE ETHOXYLATE, ISODECYL ALCOHOL ETHOXYLATE (POE 6), TRIDECYL ALCOHOL ETHOXYLATE (POE 6), PHOSPHATE ESTER)
Proper shipping name (ICAO) CORROSIVE LIQUID, N.O.S. (CONTAINS SULPHURIC ACID, TALLOW ALKYLAMINE ETHOXYLATE)
Proper shipping name (ADN) CORROSIVE LIQUID, N.O.S. (CONTAINS SULPHURIC ACID, TALLOW ALKYLAMINE ETHOXYLATE)

14.3. Transport hazard class(es)

ADR/RID class 8
ADR/RID classification code C9
ADR/RID label 8
IMDG class 8
ICAO class/division 8
ADN class 8

Transport labels

14.4. Packing group

ADR/RID packing group II
IMDG packing group II
ADN packing group II
ICAO packing group II

14.5. Environmental hazards
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Environmentally hazardous substance/marine pollutant

14.6. Special precautions for user

EmS F-A, S-B
ADR transport category 2
Emergency Action Code 2X
Hazard Identification Number 80
(ADR/RID)
Tunnel restriction code (E)

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not applicable.

SECTION 15: Regulatory information

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


15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Revision comments NOTE: Lines within the margin indicate significant changes from the previous revision.
Revision date 19/05/2016
Revision 4
Supersedes date 04/09/2015
Risk phrases in full R10 Flammable.
R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
R22 Harmful if swallowed.
R34 Causes burns.
R35 Causes severe burns.
R37/38 Irritating to respiratory system and skin.
R38 Irritating to skin.
R41 Risk of serious damage to eyes.
R48/20/21/22 Harmful: danger of serious damage to health by prolonged exposure through inhalation, in contact with skin and if swallowed.
R50 Very toxic to aquatic organisms.
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R67 Vapours may cause drowsiness and dizziness.
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Hazard statements in full

H226 Flammable liquid and vapour.
H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H373 May cause damage to organs through prolonged or repeated exposure.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H411 Toxic to aquatic life with long lasting effects.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company’s knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.