SAFETY DATA SHEET
Anti-Static Foam Cleanser

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

1.1. Product identifier
Product name Anti-Static Foam Cleanser
Product number AFC, EAFC200D, EAFC400D, ZE

1.2. Relevant identified uses of the substance or mixture and uses advised against
Identified uses Detergent.
Uses advised against No specific uses advised against are identified.

1.3. Details of the supplier of the safety data sheet
Supplier ELECTROLUBE. A division of HK WENTWORTH LTD
ASHBY PARK, COALFIELD WAY, ASHBY DE LA ZOUCH, LEICESTERSHIRE LE65 1JR
UNITED KINGDOM
+44 (0)1530 419600
+44 (0)1530 416640
info@hkw.co.uk

1.4. Emergency telephone number
Emergency telephone IN CASE OF EMERGENCY CALL:
+44 1865 407333 (24hr, Provided by Carechem 24)
+353 (0)1 809 2166 (Beaumont Hospital, Republic of Ireland only, 8am-10pm, 7 days a week)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
Classification (EC 1272/2008)
Physical hazards Aerosol 1 - H222, H229
Health hazards Not Classified
Environmental hazards Not Classified

2.2. Label elements
Pictogram

Signal word Danger
Hazard statements H222 Extremely flammable aerosol.
H229 Pressurised container: may burst if heated.
Anti-Static Foam Cleanser

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211 Do not spray on an open flame or other ignition source.
P251 Do not pierce or burn, even after use.
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
P501 Dispose of contents/ container in accordance with national regulations.

Detergent labelling

< 5% aliphatic hydrocarbons, < 5% anionic surfactants, < 5% non-ionic surfactants, < 5% perfumes, Contains D-LIMONENE

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

<table>
<thead>
<tr>
<th>Petroleum gases, liquefied</th>
<th>1-5%</th>
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<tbody>
<tr>
<td>CAS number: 68476-85-7</td>
<td></td>
</tr>
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<td>EC number: 270-704-2</td>
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<tr>
<td>Flam. Gas 1 - H220</td>
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<td>Press. Gas (Liq.) - H280</td>
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<table>
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<tr>
<td>Classification</td>
<td></td>
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<tr>
<td>Flam. Liq. 2 - H225</td>
<td></td>
</tr>
<tr>
<td>Eye Irrit. 2 - H319</td>
<td></td>
</tr>
<tr>
<td>STOT SE 3 - H336</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>2-Butoxyethanol</th>
<th>1-5%</th>
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<td>CAS number: 111-76-2</td>
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<tr>
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<td>REACH registration number: 01-2119475108-36-XXXX</td>
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<tr>
<td>Classification</td>
<td></td>
</tr>
<tr>
<td>Acute Tox. 4 - H302</td>
<td></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 Irrit. 2 - H315</td>
<td></td>
</tr>
<tr>
<td>Eye Irrit. 2 - H319</td>
<td></td>
</tr>
</tbody>
</table>
# Anti-Static Foam Cleanser

## Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics

- **CAS number:** 64742-47-8
- **EC number:** 926-141-6
- **REACH registration number:** 01-2119456620-43-XXXX

## 2-Aminoethanol

- **CAS number:** 141-43-5
- **EC number:** 205-483-3
- **REACH registration number:** 01-2119486455-28-XXXX

## Benzyl-C12-14-alkyldimethylammonium chlorides

- **CAS number:** 68424-85-1
- **EC number:** 939-350-2
- **REACH registration number:** 01-2119970550-39-0000

## Sodium hydroxide

- **CAS number:** 1310-73-2
- **EC number:** 215-185-5

## Ethanol

- **CAS number:** 64-17-5
- **EC number:** 200-578-6
- **REACH registration number:** 01-2119457610-43-XXXX

## Classification

**Classification**

- **Asp. Tox. 1 - H304**
- **Acute Tox. 4 - H302**
- **Acute Tox. 4 - H312**
- **Acute Tox. 4 - H332**
- **Skin Corr. 1B - H314**
- **Eye Dam. 1 - H318**
- **STOT SE 3 - H335**
- **Skin Corr. 1A - H314**
- **Eye Dam. 1 - H318**
- **Flam. Liq. 2 - H225**
- **Aquatic Acute 1 - H400**
- **Aquatic Chronic 1 - H410**

## Classification

**Classification**

- **Acute Tox. 4 - H302**
- **Skin Corr. 1B - H314**
- **Eye Dam. 1 - H318**
- **M factor (Acute) = 10**
- **M factor (Chronic) = 1**
- **Aquatic Acute 1 - H400**
- **Aquatic Chronic 1 - H410**

**Revision date:** 30/10/2018

**Revision:** 2
Anti-Static Foam Cleanser

<table>
<thead>
<tr>
<th>2,6-Di-tert-butyl-p-cresol</th>
<th>&lt;1%</th>
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<td>CAS number: 128-37-0</td>
<td>EC number: 204-881-4</td>
</tr>
<tr>
<td>M factor (Acute) = 1</td>
<td>M factor (Chronic) = 1</td>
</tr>
</tbody>
</table>

Classification
Aquatic Acute 1 - H400
Aquatic Chronic 1 - H410

The full text for all hazard statements is displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information
Get medical attention immediately. Show this Safety Data Sheet to the medical personnel.

Inhalation
Remove affected person from source of contamination. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Maintain an open airway. Loosen tight clothing such as collar, tie or belt. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Place unconscious person on their side in the recovery position and ensure breathing can take place.

Ingestion
Rinse mouth thoroughly with water. Remove any dentures. Give a few small glasses of water or milk to drink. Stop if the affected person feels sick as vomiting may be dangerous. Do not induce vomiting unless under the direction of medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Place unconscious person on their side in the recovery position and ensure breathing can take place. Maintain an open airway. Loosen tight clothing such as collar, tie or belt.

Skin contact
Rinse with water.

Eye contact
Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 10 minutes.

Protection of first aiders
First aid personnel should wear appropriate protective equipment during any rescue.

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

General information
See Section 11 for additional information on health hazards. The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

Inhalation
Spray/mists may cause respiratory tract irritation.

Ingestion
Due to the physical nature of this product, it is unlikely that ingestion will occur.

Skin contact
Repeated exposure may cause skin dryness or cracking.

Eye contact
May be slightly irritating to eyes. May cause discomfort.

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

Notes for the doctor
Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media
The product is flammable. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire.
Anti-Static Foam Cleanser

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

Containers can burst violently or explode when heated, due to excessive pressure build-up. If aerosol cans are ruptured, care should be taken due to the rapid escape of the pressurised contents and propellant.

Hazardous combustion products

Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours.

5.3. Advice for firefighters

Protective actions during firefighting

Avoid breathing fire gases or vapours. Evacuate area. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. If a leak or spill has not ignited, use water spray to disperse vapours and protect men stopping the leak. Control run-off water by containing and keeping it out of sewers and watercourses. If risk of water pollution occurs, notify appropriate authorities.

Special protective equipment for firefighters

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Firefighter's clothing conforming to European standard EN469 (including helmets, protective boots and gloves) will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions

No action shall be taken without appropriate training or involving any personal risk. Keep unnecessary and unprotected personnel away from the spillage. Wear protective clothing as described in Section 8 of this safety data sheet. Follow precautions for safe handling described in this safety data sheet. Wash thoroughly after dealing with a spillage. Ensure procedures and training for emergency decontamination and disposal are in place. Do not touch or walk into spilled material. Evacuate area. Risk of explosion. Provide adequate ventilation. No smoking, sparks, flames or other sources of ignition near spillage. Promptly remove any clothing that becomes contaminated.

6.2. Environmental precautions

Environmental precautions

Avoid discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up

Wear protective clothing as described in Section 8 of this safety data sheet. Clear up spills immediately and dispose of waste safely. Eliminate all ignition sources if safe to do so. No smoking, sparks, flames or other sources of ignition near spillage. If aerosol cans are ruptured, care should be taken due to the rapid escape of the pressurised contents and propellant. Do not allow material to enter confined spaces, due to the risk of explosion. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage. For waste disposal, see Section 13.

6.4. Reference to other sections

Reference to other sections

For personal protection, see Section 8. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Anti-Static Foam Cleanser

**Usage precautions**
Read and follow manufacturer's recommendations. Wear protective clothing as described in Section 8 of this safety data sheet. Keep away from food, drink and animal feeding stuffs. Avoid exposing aerosol containers to high temperatures or direct sunlight. The product is flammable. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not handle until all safety precautions have been read and understood. Do not handle broken packages without protective equipment. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Avoid contact with eyes. Avoid inhalation of vapours and spray/mists.

**Advice on general occupational hygiene**
Wash promptly if skin becomes contaminated. Take off contaminated clothing. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Wash at the end of each work shift and before eating, smoking and using the toilet. Change work clothing daily before leaving workplace.

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

**Storage precautions**
Keep away from heat, sparks and open flame. Keep container tightly closed, in a cool, well ventilated place. Keep containers upright. Protect containers from damage. Protect from sunlight. Do not store near heat sources or expose to high temperatures. Do not expose to temperatures exceeding 50°C/122°F. Bund storage facilities to prevent soil and water pollution in the event of spillage. The storage area floor should be leak-tight, jointless and not absorbent.

**Storage class**
Chemical storage.

**7.3. 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**

**Petroleum gases, liquefied**
Long-term exposure limit (8-hour TWA): WEL 1000 ppm 1750 mg/m³
Short-term exposure limit (15-minute): WEL 1250 ppm 2180 mg/m³

**Propan-2-ol**
Long-term exposure limit (8-hour TWA): WEL 400 ppm 999 mg/m³
Short-term exposure limit (15-minute): WEL 500 ppm 1250 mg/m³

**2-Butoxyethanol**
Long-term exposure limit (8-hour TWA): WEL 25 ppm 123 mg/m³
Short-term exposure limit (15-minute): WEL 50 ppm 246 mg/m³
Sk

**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

**Sodium hydroxide**
Short-term exposure limit (15-minute): WEL 2 mg/m³

**Ethanol**
Long-term exposure limit (8-hour TWA): WEL 1000 ppm 1920 mg/m³

**2,6-Di-tert-butyl-p-cresol**
Long-term exposure limit (8-hour TWA): WEL 10 mg/m³
Anti-Static Foam Cleanser

WEL = Workplace Exposure Limit
Sk = Can be absorbed through the skin.

8.2. Exposure controls

Protective equipment

Appropriate engineering controls

Provide adequate ventilation. Personal, workplace environment or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Use process enclosures, local exhaust ventilation or other engineering controls as the primary means to minimise worker exposure. Personal protective equipment should only be used if worker exposure cannot be controlled adequately by the engineering control measures. Ensure control measures are regularly inspected and maintained. Ensure operatives are trained to minimise exposure.

Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Personal protective equipment for eye and face protection should comply with European Standard EN166. Unless the assessment indicates a higher degree of protection is required, the following protection should be worn: Tight-fitting safety glasses.

Hand protection

No specific requirements are anticipated under normal conditions of use. Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. 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, gloves should comply with European Standard EN374. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected. Frequent changes are recommended.

Other skin and body protection

Appropriate footwear and additional protective clothing complying with an approved standard should be worn if a risk assessment indicates skin contamination is possible.

Hygiene measures

Provide eyewash station. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Clean equipment and the work area every day. Good personal hygiene procedures should be implemented. Wash at the end of each work shift and before eating, smoking and using the toilet. When using do not eat, drink or smoke. Preventive industrial medical examinations should be carried out. Warn cleaning personnel of any hazardous properties of the product.

Respiratory protection

No specific requirements are anticipated under normal conditions of use. Respiratory protection complying with an approved standard should be worn if a risk assessment indicates inhalation of contaminants is possible. Ensure all respiratory protective equipment is suitable for its intended use and is ‘CE’-marked. Check that the respirator fits tightly and the filter is changed regularly. Half mask and quarter mask respirators with replaceable filter cartridges should comply with European Standard EN140.

Environmental exposure controls

Keep container tightly sealed when not in use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Aerosol.

Colour

No data available.

Odour

Lemon.
**Anti-Static Foam Cleanser**

<table>
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<tr>
<th>Property</th>
<th>Description</th>
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</thead>
<tbody>
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<td>Odour threshold</td>
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<tr>
<td>pH</td>
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<tr>
<td>Melting point</td>
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<tr>
<td>Initial boiling point and range</td>
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<td>Flash point</td>
<td>Technically not feasible.</td>
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<td>Evaporation rate</td>
<td>Not available.</td>
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<tr>
<td>Flammability (solid, gas)</td>
<td>No specific test data are available. Extremely flammable aerosol.</td>
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<td>explosive limits</td>
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<td>Vapour pressure</td>
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<tr>
<td>Viscosity</td>
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<td>Oxidising properties</td>
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</tbody>
</table>

9.2. Other information

Other information

No information required.

**SECTION 10: Stability and reactivity**

10.1. Reactivity

**Reactivity**

There are no known reactivity hazards associated with this product.

10.2. Chemical stability

**Stability**

Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.

10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions**

None known.

10.4. Conditions to avoid

**Conditions to avoid**

Avoid exposing aerosol containers to high temperatures or direct sunlight. Pressurised container: may burst if heated

10.5. Incompatible materials

**Materials to avoid**

No specific material or group of materials is likely to react with the product to produce a hazardous situation.

10.6. Hazardous decomposition products
Anti-Static Foam Cleanser

Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral
Notes (oral LD₅₀) Based on available data the classification criteria are not met.
ATE oral (mg/kg) 158,859.06

Acute toxicity - dermal
Notes (dermal LD₅₀) Based on available data the classification criteria are not met.
ATE dermal (mg/kg) 100,083.03

Acute toxicity - inhalation
Notes (inhalation LC₅₀) Based on available data the classification criteria are not met.
ATE inhalation (vapours mg/l) 1,000.83

Skin corrosion/irritation
Animal data Based on available data the classification criteria are not met.

Serious eye damage/irritation
Serious eye damage/irritation Based on available data the classification criteria are not met.

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.

IARC carcinogenicity
Contains a substance/a group of substances which may cause cancer. IARC Group 1 Carcinogenic to humans.

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

Specific target organ toxicity - single exposure
STOT - single exposure Not classified as a specific target organ toxicant after a single exposure.

Specific target organ toxicity - repeated exposure
STOT - repeated exposure Not classified as a specific target organ toxicant after repeated exposure.

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

General information
The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Anti-Static Foam Cleanser

Inhalation  Spray/mists may cause respiratory tract irritation.
Ingestion  Due to the physical nature of this product, it is unlikely that ingestion will occur.
Skin contact  Repeated exposure may cause skin dryness or cracking.
Eye contact  May be slightly irritating to eyes. May cause discomfort.
Route of exposure  Inhalation Skin and/or eye contact
Target organs  No specific target organs known.

Toxicological information on ingredients.

Petroleum gases, liquefied

Toxicological effects  Not regarded as a health hazard under current legislation.
Germ cell mutagenicity
Genotoxicity - in vitro  Chromosome aberration: Negative. REACH dossier information. Based on available data the classification criteria are not met.
Genotoxicity - in vivo  Chromosome aberration: Negative. REACH dossier information. Based on available data the classification criteria are not met.
Carcinogenicity  NOAEL 10000 ppm, Inhalation, Mouse REACH dossier information. Based on available data the classification criteria are not met.
Reproductive toxicity  Fertility - NOAEC 9000 ppm, Inhalation, Rat F1 REACH dossier information. Based on available data the classification criteria are not met.
Reproductive toxicity - development  Developmental toxicity: - NOAEC: 10426 ppm, Inhalation, Rat REACH dossier information. Based on available data the classification criteria are not met.
Specific target organ toxicity - repeated exposure  NOAEC 10000 ppmV/4hr/day, Inhalation, Rat REACH dossier information. Based on available data the classification criteria are not met.

Propan-2-ol

Acute toxicity - dermal  
Notes (dermal LD₅₀)  LD₅₀ 5840 mg/kg, Oral, Rat REACH dossier information. Based on available data the classification criteria are not met.
Skin corrosion/irritation  
Animal data  Primary dermal irritation index: 0 REACH dossier information. Based on available data the classification criteria are not met.

Serious eye damage/irritation  
Dose: 0.1 mL, 1 second, Rabbit Causes serious eye irritation.
Skin sensitisation  
Germ cell mutagenicity  

10/19
### Anti-Static Foam Cleanser

<table>
<thead>
<tr>
<th>Genotoxicity - in vitro</th>
<th>Gene mutation: Negative. REACH dossier information. Based on available data the classification criteria are not met.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Genotoxicity - in vivo</td>
<td>Chromosome aberration: Negative. REACH dossier information. Based on available data the classification criteria are not met.</td>
</tr>
<tr>
<td>Carcinogenicity</td>
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</tr>
<tr>
<td>Carcinogenicity</td>
<td>NOAEL 5000 ppm, Inhalation, Rat REACH dossier information. Based on available data the classification criteria are not met.</td>
</tr>
<tr>
<td>IARC carcinogenicity</td>
<td>IARC Group 3 Not classifiable as to its carcinogenicity to humans.</td>
</tr>
<tr>
<td>Specific target organ toxicity - single exposure</td>
<td></td>
</tr>
<tr>
<td>STOT - single exposure</td>
<td>STOT SE 3 - H336 May cause drowsiness or dizziness.</td>
</tr>
<tr>
<td>Target organs</td>
<td>Central nervous system</td>
</tr>
<tr>
<td>Specific target organ toxicity - repeated exposure</td>
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<tr>
<td>STOT - repeated exposure</td>
<td>NOAEC 5000 ppm, Inhalation, Rat REACH dossier information. Based on available data the classification criteria are not met.</td>
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</table>

### 2-Butoxyethanol

<table>
<thead>
<tr>
<th>Acute toxicity - oral</th>
<th>1,746.0</th>
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</thead>
<tbody>
<tr>
<td>Acute toxicity oral (LD₅₀ mg/kg)</td>
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</tr>
<tr>
<td>Species</td>
<td>Rat</td>
</tr>
<tr>
<td>Notes (oral LD₅₀)</td>
<td>REACH dossier information. Harmful if swallowed.</td>
</tr>
<tr>
<td>ATE oral (mg/kg)</td>
<td>1,746.0</td>
</tr>
</tbody>
</table>

### Acute toxicity - dermal

| Notes (dermal LD₅₀)   | cATpE: Converted Acute Toxicity Point Estimate. Harmful in contact with skin.                                |
| ATE dermal (mg/kg)    | 1,100.0 |

### Acute toxicity - inhalation

| Notes (inhalation LC₅₀)  | cATpE: Converted Acute Toxicity Point Estimate. Harmful if inhaled.                                        |
| ATE inhalation (vapours mg/l) | 11.0 |

### Skin corrosion/irritation

| Animal data | Dose: 0.5 mL, 4 hours, Rabbit Erythema/eschar score: Well defined erythema (2). Oedema score: No oedema (0). REACH dossier information. Irritating. |

### Serious eye damage/irritation

| Serious eye damage/irritation | Dose: 0.1 mL, 24 hours, Rabbit Causes serious eye irritation. |

### Skin sensitisation

| Skin sensitisation | Guinea pig maximization test (GPMT) - Guinea pig: Not sensitising, REACH dossier information. Based on available data the classification criteria are not met. |
Anti-Static Foam Cleanser

**Genotoxicity - in vitro**
Gene mutation: Negative. REACH dossier information. Based on available data the classification criteria are not met.

**Genotoxicity - in vivo**
Chromosome aberration: Negative. REACH dossier information. Based on available data the classification criteria are not met.

**Carcinogenicity**

**Carcinogenicity**
NOAEC 125 ppm, Inhalation, Mouse REACH dossier information. Based on available data the classification criteria are not met.

**IARC carcinogenicity**
IARC Group 3 Not classifiable as to its carcinogenicity to humans.

**Reproductive toxicity**

**Reproductive toxicity - fertility**
Two-generation study - NOAEL 720 mg/kg/day, Oral, Mouse P REACH dossier information. Based on available data the classification criteria are not met.

**Reproductive toxicity - development**
Maternal toxicity: - NOAEL: 50 ppm, Inhalation, Rabbit REACH dossier information. Based on available data the classification criteria are not met.

**Specific target organ toxicity - repeated exposure**

**STOT - repeated exposure**
NOAEL <69 mg/kg/day, Oral, Rat REACH dossier information. Based on available data the classification criteria are not met.

**Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics**

**Acute toxicity - oral**

**Notes (oral LD₅₀)**
LD₅₀ 15000 mg/kg, Oral, Rat REACH dossier information. Based on available data the classification criteria are not met.

**Acute toxicity - dermal**

**Notes (dermal LD₅₀)**
LD₅₀ 3160 mg/kg, Dermal, Rabbit REACH dossier information. Based on available data the classification criteria are not met.

**Acute toxicity - inhalation**

**Notes (inhalation LC₅₀)**
LC₅₀ 4951 mg/l, Inhalation, Rat REACH dossier information. Based on available data the classification criteria are not met.

**Skin corrosion/irritation**

**Animal data**
Dose: 0.5 mL, 4 hours, Rabbit Erythema/eschar score: Well defined erythema (2). Oedema score: Very slight oedema - barely perceptible (1). REACH dossier information. Repeated exposure may cause skin dryness or cracking.

**Serious eye damage/irritation**

**Serious eye damage/irritation**
Dose: 0.1 mL, 1 second, Rabbit REACH dossier information. Based on available data the classification criteria are not met.

**Skin sensitisation**

**Skin sensitisation**
Guinea pig maximization test (GPMT) - Guinea pig: Not sensitising. REACH dossier information. Based on available data the classification criteria are not met.

**Germ cell mutagenicity**

**Genotoxicity - in vitro**
Gene mutation: Negative. REACH dossier information. Based on available data the classification criteria are not met.

**Genotoxicity - in vivo**
Chromosome aberration: Negative. REACH dossier information. Based on available data the classification criteria are not met.
Anti-Static Foam Cleanser

Carcinogenicity
Carcinogenicity
NOAEC 1100 mg/m³, Inhalation, Mouse REACH dossier information. Based on available data the classification criteria are not met.

Reproductive toxicity
Reproductive toxicity - fertility
Fertility, One-generation study - NOAEL 750 mg/kg/day, Oral, Rat F1 REACH dossier information. Based on available data the classification criteria are not met.

Reproductive toxicity - development
Maternal toxicity: - NOAEL: >5220 mg/m³, Inhalation, Rat REACH dossier information. Based on available data the classification criteria are not met.

Specific target organ toxicity - repeated exposure
STOT - repeated exposure
NOAEC >10400 mg/m³, Inhalation, Rat REACH dossier information. Based on available data the classification criteria are not met.

Aspiration hazard
Aspiration hazard
2.4 cSt @ 20°C Aspiration hazard if swallowed.

SECTION 12: Ecological Information

Ecotoxicity
Not regarded as dangerous for the environment. However, large or frequent spills may have hazardous effects on the environment.

12.1. Toxicity
Toxicity
Based on available data the classification criteria are not met.

Ecological information on ingredients.

Petroleum gases, liquefied

Toxicity
Aquatic toxicity is unlikely to occur. Based on available data the classification criteria are not met.

Acute aquatic toxicity
Acute toxicity - fish
LC₅₀, 96 hours: 147.54 mg/l, Freshwater fish Estimated value.

Acute toxicity - aquatic invertebrates
EC₅₀, 48 hours: 16.33 mg/l, Daphnia magna Estimated value.

Acute toxicity - aquatic plants
EC₅₀, 96 hours: 11.89 mg/l, Freshwater algae Estimated value.

Propan-2-ol

Toxicity
Aquatic toxicity is unlikely to occur. Based on available data the classification criteria are not met.

Acute aquatic toxicity
Acute toxicity - fish
LC₅₀, 96 hours: 10000 mg/l, Pimephales promelas (Fat-head Minnow)

Acute toxicity - aquatic invertebrates
LC₅₀, 24 hours: >10000 mg/l, Daphnia magna

Acute toxicity - aquatic plants
EC₅₀, 7 days: 1800 mg/l, Scenedesmus quadricauda

2-Butoxyethanol
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Toxicity
Aquatic toxicity is unlikely to occur. Based on available data the classification criteria are not met.

Acute aquatic toxicity
Acute toxicity - fish
LC₅₀, 96 hours: 1474 mg/l, Oncorhynchus mykiss (Rainbow trout)

Acute toxicity - aquatic invertebrates
EC₅₀, 48 hours: 1550 mg/l, Daphnia magna

Acute toxicity - aquatic plants
EC₅₀, 72 hours: 911 mg/l, Pseudokirchneriella subcapitata

Chronic aquatic toxicity
Chronic toxicity - fish early life stage
NOEL, 21 days: >100 mg/l, Brachydanio rerio (Zebra Fish)

Chronic toxicity - aquatic invertebrates
NOEC, 21 days: 100 mg/l, Daphnia magna

Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics
Aquatic toxicity is unlikely to occur. Based on available data the classification criteria are not met.

Acute aquatic toxicity
Acute toxicity - fish
LL₅₀, 96 hours: >1000 mg/l, Oncorhynchus mykiss (Rainbow trout)

Acute toxicity - aquatic invertebrates
EL₅₀, 48 hours: >10000 mg/l, Daphnia magna

Acute toxicity - aquatic plants
EL₅₀, 72 hours: >1000 mg/l, Pseudokirchneriella subcapitata

Chronic aquatic toxicity
Chronic toxicity - fish early life stage
NOELR, 28 days: 0.173 mg/l, Oncorhynchus mykiss (Rainbow trout), Estimated value.

Chronic toxicity - aquatic invertebrates
NOELR, 21 days: 1.22 mg/l, Daphnia magna, Estimated value.

12.2. Persistence and degradability
Persistence and degradability
The surfactant(s) contained in this product complies with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents.

Ecological information on ingredients.

Petroleum gases, liquefied
Persistence and degradability
The substance is readily biodegradable.

Biodegradation
Water - Degradation 100%: 385.5 hours

Propan-2-ol
Persistence and degradability
The substance is readily biodegradable.
Anti-Static Foam Cleanser

Biodegradation
- Water - Degradation 53%: 5 days

Biological oxygen demand
1.19-1.72 g O₂/g substance

Chemical oxygen demand
2.23 g O₂/g substance

2-Butoxyethanol

Persistence and degradability
The substance is readily biodegradable.

Biodegradation
Water - Degradation 90.4%: 28 days

Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics

Persistence and degradability
Readily biodegradable but failing the 10-day window.

Biodegradation
- Water - Degradation ~5%: 3 days
- Water - Degradation 69%: 28 days

12.3. Bioaccumulative potential

Bioaccumulative potential
No data available on bioaccumulation.

Partition coefficient
Not available.

Ecological information on ingredients.

Petroleum gases, liquefied

Bioaccumulative potential
No data available on bioaccumulation.

Propan-2-ol

Bioaccumulative potential
Bioaccumulation is unlikely.

2-Butoxyethanol

Bioaccumulative potential
Bioaccumulation is unlikely.

Partition coefficient
log Kow: 0.81

Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics

Partition coefficient
Scientifically unjustified.

12.4. Mobility in soil

Mobility
The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces.

Ecological information on ingredients.

Petroleum gases, liquefied

Mobility
The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces.
Anti-Static Foam Cleanser

Mobility
The product is soluble in water.

2-Butoxyethanol

Mobility
The product is miscible with water and may spread in water systems.
Surface tension
29.53 mN/m @ 20°C

Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics

Mobility
The product has poor water-solubility.

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.

Ecological information on ingredients.

Petroleum gases, liquefied

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

Propan-2-ol

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

2-Butoxyethanol

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

Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics

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

12.6. Other adverse effects

Other adverse effects
None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information
The generation of waste should be minimised or avoided wherever possible. Reuse or recycle products wherever possible. This material and its container must be disposed of in a safe way. Disposal of this product, process solutions, residues and by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any local authority requirements. When handling waste, the safety precautions applying to handling of the product should be considered. Care should be taken when handling emptied containers that have not been thoroughly cleaned or rinsed out. Empty containers or liners may retain some product residues and hence be potentially hazardous.
Anti-Static Foam Cleanser

Disposal methods
Dispose of surplus products and those that cannot be recycled via a licensed waste disposal contractor. Waste, residues, empty containers, discarded work clothes and contaminated cleaning materials should be collected in designated containers, labelled with their contents. Waste packaging should be collected for reuse or recycling. Incineration or landfill should only be considered when recycling is not feasible.

SECTION 14: Transport information

General
For limited quantity packaging/limited load information, consult the relevant modal documentation using the data shown in this section.

14.1. UN number
UN No. (ADR/RID) 1950
UN No. (IMDG) 1950
UN No. (ICAO) 1950
UN No. (ADN) 1950

14.2. UN proper shipping name
Proper shipping name (ADR/RID) AEROSOLS
Proper shipping name (IMDG) AEROSOLS
Proper shipping name (ICAO) AEROSOLS
Proper shipping name (ADN) AEROSOLS

14.3. Transport hazard class(es)
ADR/RID class 2.1
ADR/RID classification code 5F
ADR/RID label 2.1
IMDG class 2.1
ICAO class/division 2.1
ADN class 2.1

Transport labels

14.4. Packing group
None.

14.5. Environmental hazards
Environmentally hazardous substance/marine pollutant No.

14.6. Special precautions for user
Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

EmS F-D, S-U
Anti-Static Foam Cleanser

ADR transport category 2
Tunnel restriction code (D)

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 relevant.

SECTION 15: Regulatory information

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

National regulations

Health and Safety at Work etc. Act 1974 (as amended).
The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI 2009 No. 1348) (as amended) [*CDG 2009*].
EH40/2005 Workplace exposure limits.

EU legislation


15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

Inventories

US - TSCA
The following ingredients are listed or exempt:

US - TSCA 12(b) Export Notification
None of the ingredients are listed or exempt.

SECTION 16: Other information
Anti-Static Foam Cleanser

Abbreviations and acronyms used in the safety data sheet

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.
IATA: International Air Transport Association.
IMDG: International Maritime Dangerous Goods.
RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.
ATE: Acute Toxicity Estimate.
Kow: Octanol-water partition coefficient.
LC₅₀: Lethal Concentration to 50 % of a test population.
LD₅₀: Lethal Dose to 50% of a test population (Median Lethal Dose).
PBT: Persistent, Bioaccumulative and Toxic substance.
vPvB: Very Persistent and Very Bioaccumulative.
IARC: International Agency for Research on Cancer.
BCF: Bioconcentration Factor.
EC₅₀: 50% of maximal Effective Concentration.

Classification procedures according to Regulation (EC) 1272/2008


Training advice
Read and follow manufacturer's recommendations.

Issued by
Toni Ashford

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Revision
2

SDS number
1604

Hazard statements in full

H220 Extremely flammable gas.
H222 Extremely flammable aerosol.
H225 Highly flammable liquid and vapour.
H229 Pressurised container: may burst if heated.
H280 Contains gas under pressure; may explode if heated.
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H312 Harmful in contact with skin.
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.
H336 May cause drowsiness or dizziness.
H400 Very toxic to aquatic life.
H410 Very 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.