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       Cleaning Product
Uses advised against  At this moment in time we do not have information on use restrictions. They will be included in this safety data sheet when available

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

1.4. Emergency telephone number
Emergency telephone  +44 (0)1530 419600 between 8.30am - 5.00pm GMT Mon – Fri

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
Classification
Physical hazards      Aerosol 3 - H229
Health hazards        Not Classified
Environmental hazards Not Classified

Human health          Contact with liquefied gas might cause frostbites, in some cases with tissue damage.
Physicochemical       Aerosol containers can explode when heated, due to excessive pressure build-up. When sprayed on a naked flame or any incandescent material the aerosol vapours can be ignited.

2.2. Label elements
Signal word           Warning
Hazard statements     H229 Pressurised container: may burst if heated
Precautionary statements
P102 Keep out of reach of children.
P251 Do not pierce or burn, even after use.
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

2.3. Other hazards
This substance is not classified as PBT or vPvB according to current EU criteria.
# ANTI-STATIC FOAM CLEANSER

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### PROPA-2-OL

<table>
<thead>
<tr>
<th>CAS number: 67-63-0</th>
<th>EC number: 200-661-7</th>
<th>REACH registration number: 01-2119457558-25-XXXX</th>
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</thead>
<tbody>
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**Classification**
- Flam. Liq. 2 - H225
- Eye Irrit. 2 - H319
- STOT SE 3 - H336

#### DISTILLATES (PETROLEUM), HYDROTREATED LIGHT; KEROSINE - UNSPECIFIED

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<th>EC number: 265-149-8</th>
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<tbody>
<tr>
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**Classification**
- Skin Irrit. 2 - H315
- STOT SE 3 - H336
- Asp. Tox. 1 - H304
- STOT SE 3 - H336
- Aquatic Chronic 2 - H411

#### 2-BUTOXYETHANOL

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**Classification**
- Acute Tox. 4 - H302
- Acute Tox. 4 - H312
- Acute Tox. 2 - H330
- Skin Irrit. 2 - H315
- Eye Irrit. 2 - H319

#### 2-AMINOETHANOL

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**Classification**
- Acute Tox. 4 - H302
- Acute Tox. 4 - H312
- Acute Tox. 4 - H332
- Skin Corr. 1B - H314
- STOT SE 3 - H335
ANTI-STATIC FOAM CLEANSER

**BUTANE**

CAS number: 106-97-8  
EC number: 203-448-7  
REACH registration number: 01-2119474691-32-XXXX

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<thead>
<tr>
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<table>
<thead>
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<th>M factor (Chronic) = 1</th>
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<td>Skin Sens. 1B - H317</td>
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<td>Asp. Tox. 1 - H304</td>
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<td>Aquatic Acute 1 - H400</td>
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<td>Aquatic Chronic 1 - H410</td>
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<table>
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<td>C;R35</td>
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<td>Eye Dam. 1 - H318</td>
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The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

Composition comments  Ingredients not listed are classified as non-hazardous or at a concentration below reportable levels.

**SECTION 4: First aid measures**

4.1. Description of first aid measures

- **Inhalation**: Move affected person to fresh air at once. Keep affected person warm and at rest. Get medical attention immediately.

- **Ingestion**: Do not induce vomiting. Rinse mouth thoroughly with water. Get medical attention if any discomfort continues.

- **Skin contact**: Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.

- **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

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
ANTI-STATIC FOAM CLEANSER

Suitable extinguishing media

The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards

Vapours are heavier than air and may travel along the floor and accumulate in the bottom of containers. Vapours may be ignited by a spark, a hot surface or an ember. Containers can burst violently or explode when heated, due to excessive pressure build-up.

Hazardous combustion products

Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

5.3. Advice for firefighters

Protective actions during firefighting

Move containers from fire area if it can be done without risk.

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

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

6.2. Environmental precautions

Environmental precautions

Do not discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up

Absorb in vermiculite, dry sand or earth and place into containers.

6.4. Reference to other sections

Reference to other sections

Wear protective clothing as described in Section 8 of this safety data sheet. See Section 11 for additional information on health hazards. Collect and dispose of spillage as indicated in Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions

Provide adequate ventilation. Avoid inhalation of vapours. Use approved respirator if air contamination is above an acceptable level.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions

Store at moderate temperatures in dry, well ventilated area.

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

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
ANTI-STATIC FOAM CLEANSER

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

BUTANE

Long-term exposure limit (8-hour TWA): WEL 600 ppm  1450 mg/m³
Short-term exposure limit (15-minute): WEL 750 ppm  1810 mg/m³

SODIUM HYDROXIDE

Long-term exposure limit (8-hour TWA): WEL
Short-term exposure limit (15-minute): WEL 2 mg/m³
WEL = Workplace Exposure Limit
Sk = Can be absorbed through the skin.

PROPAN-2-OL (CAS: 67-63-0)

DNEL
Industry - Dermal: 888 mg/kg/day
Industry - Inhalation: 500 mg/m³
Consumer - Dermal: 319 mg/kg/day
Consumer - Inhalation: 89 mg/m³
Consumer - Oral: 26 mg/kg/day

PNEC
- Fresh water: 140.9 mg/l
- Marine water: 140.9 mg/l
- Sediment: 552 mg/kg
- Soil: 28 mg/kg

8.2. Exposure controls

Appropriate engineering controls
Provide adequate general and local exhaust ventilation. Observe any occupational exposure limits for the product or ingredients.

Eye/face protection
Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles.

Hand protection
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.

Other skin and body protection
Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

Hygiene measures
Use engineering controls to reduce air contamination to permissible exposure level. Provide eyewash station. Wash hands at the end of each work shift and before eating, smoking and using the toilet. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke. Do not smoke in work area.

Respiratory protection
No specific recommendations. Respiratory protection may be required if excessive airborne contamination occurs.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties
ANTI-STATIC FOAM CLEANSER

**Appearance**
Aerosol. Liquid.

**Colour**
Colourless.

**Odour**
Characteristic.

**pH**
pH (concentrated solution): 7-8

**Initial boiling point and range**
>100°C/212°F @

**Vapour pressure**
2.35 kPa @ 20°C/68°F

**Relative density**
0.995 @ 20°C/68°F

**Solubility(ies)**
Insoluble in water.

**Auto-ignition temperature**
> 750°C/1382°F

### 9.2. Other information

#### 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.

**10.3. Possibility of hazardous reactions**

Possibility of hazardous reactions
Not available. Will not polymerise.

**10.4. Conditions to avoid**

Conditions to avoid
Avoid heat, flames and other sources of ignition. Avoid contact with acids and alkalis.

**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**

Hazardous decomposition products
Thermal decomposition or combustion products may include the following substances: Carbon monoxide (CO). Hydrogen fluoride (HF). Carbonyl fluoride

#### SECTION 11: Toxicological information

**11.1. Information on toxicological effects**

Other health effects
There is no evidence that the product can cause cancer.

**Acute toxicity - oral**

ATE oral (mg/kg) 150,287.03

**Acute toxicity - dermal**

ATE dermal (mg/kg) 94,682.55

**Acute toxicity - inhalation**

ATE inhalation (vapours mg/l) 64.56

**General information**
No specific health hazards known.
ANTI-STATIC FOAM CLEANSER

Inhalation
Gas or vapour in high concentrations may irritate the respiratory system. Symptoms following overexposure may include the following: Headache. Fatigue. Nausea, vomiting. Move affected person to fresh air at once. Keep the affected person warm and at rest. Get prompt medical attention. No hazard in normal industrial use.

Ingestion
No hazard in normal industrial use. May cause vomiting. L'ingestion de petites quantités (une cuillérée à soupe) pendant les activités de manipulation normales n'est pas susceptible d'infliger des lésions; l'ingestion de quantités supérieures peut être dommageable. Get medical attention if any discomfort continues.

Skin contact
No specific health hazards known.

Eye contact
May cause temporary eye irritation. Aucun risque lors d'une utilisation industrielle normale.

Toxicological information on ingredients.

**PROPAN-2-OL**

**Acute toxicity - oral**

<table>
<thead>
<tr>
<th>Acute toxicity oral (LD₅₀ mg/kg)</th>
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</thead>
<tbody>
<tr>
<td><strong>Species</strong></td>
<td>Rat</td>
</tr>
<tr>
<td><strong>ATE oral (mg/kg)</strong></td>
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**Acute toxicity - dermal**

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<tr>
<th>Acute toxicity dermal (LD₅₀ mg/kg)</th>
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</thead>
<tbody>
<tr>
<td><strong>Species</strong></td>
<td>Rabbit</td>
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</table>

**Acute toxicity - inhalation**

<table>
<thead>
<tr>
<th>Acute toxicity inhalation (LC₅₀ vapours mg/l)</th>
<th>46.5</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Species</strong></td>
<td>Rat</td>
</tr>
<tr>
<td><strong>ATE inhalation (vapours mg/l)</strong></td>
<td>46.5</td>
</tr>
</tbody>
</table>

Inhalation
Vapours may cause headache, fatigue, dizziness and nausea.

Eye contact
Irritating to eyes.

Acute and chronic health hazards
Irritation of eyes and mucous membranes. Narcotic effect. Central nervous system depression.

Route of entry
Skin and/or eye contact Skin absorption Ingestion

Target organs
Central nervous system Eyes Skin Respiratory system, lungs

Medical symptoms

**2-BUTOXYETHANOL**
ANTI-STATIC FOAM CLEANSER

Acute toxicity oral (LD₅₀ mg/kg) 1,746.0
Species Rat
ATE oral (mg/kg) 1,746.0

Acute toxicity - dermal
Acute toxicity dermal (LD₅₀ mg/kg) 6,411.0
Species Rabbit
ATE dermal (mg/kg) 1,100

Acute toxicity - inhalation
Acute toxicity inhalation (LC₅₀ vapours mg/l) 0.75
Species Rat
ATE inhalation (vapours mg/l) 0.75

SECTION 12: Ecological Information

Ecotoxicity
Not regarded as dangerous for the environment.

12.1. Toxicity
Ecological information on ingredients.

DISTILLATES (PETROLEUM), HYDROTREATED LIGHT; KEROSINE - UNSPECIFIED

Acute toxicity - fish LC₅₀, 96 hours: >1000 mg/l, Fish
Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: >250 mg/l, Daphnia magna
Acute toxicity - aquatic plants IC₅₀, 72 hours: 20 mg/l, Algae

2-BUTOXYETHANOL

Acute toxicity - fish LC₅₀, 96 hours: 1700 mg/l, Fish
Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: >1000 mg/l, Daphnia magna
Acute toxicity - aquatic plants IC₅₀, 72 hours: 500 mg/l, Algae

12.2. Persistence and degradability

Persistence and degradability
There are no data on the degradability of this product.

12.3. Bioaccumulative potential

Bioaccumulative potential
No data available on bioaccumulation.

12.4. Mobility in soil
ANTI-STATIC FOAM CLEANSER

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

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 available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods
General information
Do not puncture or incinerate, even when empty.

Disposal methods
Empty containers must not be punctured or incinerated because of the risk of an explosion. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

SECTION 14: Transport information

General
This product is packed in accordance with the Limited Quantity Provisions of CDGCPL2, ADR and IMDG. These provisions allow transport of aerosols of less than 1 litre packed in cartons of less than 30 kg gross to be exempt from control providing that they are labelled in accordance with the requirements of these regulations to show that they are being transported as Limited Quantities. Aerosols not so packed must show the following

14.1. UN number
UN No. (ADR/RID) 1950
UN No. (IMDG) 1950
UN No. (ICAO) 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 2.2
ADR/RID subsidiary risk
ADR/RID label 2.2
IMDG class 2.2
IMDG subsidiary risk
ICAO class/division 2.2
ICAO subsidiary risk
Transport labels
ANTI-STATIC FOAM CLEANSER

14.4. Packing group
Not applicable.
ADR/RID packing group
IMDG packing group
ICAO packing group

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

14.6. Special precautions for user
EmS F-D, S-U
Emergency Action Code
Hazard Identification Number
(ADR/RID)
Tunnel restriction code (E)

14.7. Transport in bulk according to Annex II of MARPOL 73/78 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
Guidance
Authorisations (Title VII Regulation 1907/2006) No specific authorisations are known for this product.
Restrictions (Title VIII Regulation 1907/2006) No specific restrictions on use are known for this product.

15.2. Chemical safety assessment

SECTION 16: Other information

Issued by Grace Claypole
Revision date 12/05/2015
Revision 7
SDS number 10628
Risk phrases in full NC Not classified.
R11 Highly flammable.
R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
R22 Harmful if swallowed.
R36 Irritating to eyes.
R36/38 Irritating to eyes and skin.
R38 Irritating to skin.
R41 Risk of serious damage to eyes.
R65 Harmful: may cause lung damage if swallowed.
R67 Vapours may cause drowsiness and dizziness.
ANTI-STATIC FOAM CLEANSER

Hazard statements in full

H220 Extremely flammable gas.
H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.
H229 Pressurised container: may burst 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.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H330 Fatal if inhaled.
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.
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.