

## Material Safety Data Sheet

In compliance with Regulation (EC) No. 1907/2006 & 453/2010 (REACH)

Revision date: 24/09/2015, issue 1.1

<b>1. IDENTIFICATION OF THE PRODUCT AND SUPPLIER</b>
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- |                                       |   |
|---------------------------------------|---|
| <b>1.1 Product identifier</b>         | AeroFab.  |
| <b>1.2 Use of Preparation</b>         | Concentrated biological preparation for breaking down protein-based waste residues, thereby reducing attendant malodours and removing stains from carpets and soft furnishings. |
| <b>1.3 Supplier details</b>           | Frasers Aerospace<br>1 St James Road<br>Brentwood<br>Essex, CM14 4LH<br>United Kingdom<br>Phone: + 44 (0) 20 8597 8781<br>E-mail: contact@frasersaerospace.com                  |
| <b>1.4 Emergency telephone number</b> | + 44 (0) 20 8597 8781 (8am-5pm)   |

<b>2. HAZARDS IDENTIFICATION</b>
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**2.1 Classification of the mixture**  
 In compliance with directives 67/548/EEC, 1999/45/EC and their amendments

Not classified.

**2.2 Label Elements**  
 In compliance with directives 67/548/EEC, 1999/45/EC and their amendments

- |                |   |
|----------------|---|
| Risk Phrases   | None.   |
| Safety Phrases | S24/25 Keep out of the reach of children.<br>S24/25 Avoid contact with the eyes and skin.<br>S26 In the event of contact with the eyes rinse immediately and seek medical advice. |

**2.3 Other hazards**

Contains enzymes. May produce an allergic reaction. Avoid breathing product spray. Prolonged contact may cause minor degreasing of the skin. Preparation is biodegradable and not classified as dangerous for the environment.

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### 3. COMPOSITION/ INFORMATION ON INGREDIENTS

#### 3.2 Mixtures

##### Composition:

Ingredient	Cas No.	EC No.	Conc
Propan-2-ol	67-63-0	-	1-5%

##### Classification (EC 1272/2008)

STOT SE 3: H336  
Eye Irrit. 2: H319  
Flam. Liq. 2: H225

##### Classification (67/548/EEC)

F Xi; R11, R36, R67

Ingredient	Cas No.	EC No.	Conc
Alcohol ethoxylate	68439-45-2	-	1-5%

##### Classification (EC 1272/2008)

Acute Tox. 4 H302  
Eye Irrit. 1: H318

##### Classification (67/548/EEC)

Xn; R22 R41

Ingredient	Cas No.	EC No.	Conc
Alkyl polyglucoside	68515-73-1	500-220-1	1-5%

##### Classification (EC 1272/2008)

Eye Dam. 1 - H318

##### Classification (67/548/EEC)

Xi R41

Ingredient	Cas No.	EC No.	Conc
Monosodium salt of alkylamine dicarboxylate	94441-92-6	305-318-6	1-5%

##### Classification (EC 1272/2008)

Eye Irrit. 2: H319

##### Classification (67/548/EEC)

Xi 36

Ingredient	Cas No.	EC No.	Conc
Protease enzyme	9014-01-1	232-752-2	1-5%

##### Classification (EC 1272/2008)

Eye Irrit. 2: H319  
Skin Irrit 2: H315  
Resp Sens Cat 1: H334

##### Classification (67/548/EEC)

Xn; R36/38, R42

Ingredient	Cas No.	EC No.	Conc
Propane-1,2-diol	57-55-6	200-337-5	1-5%

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**Classification (EC 1272/2008)**

No classification

**Classification (67/548/EEC)**

No classification

### 4. FIRST AID MEASURES

#### 4.1 Description of first aid measures

**In the event of exposure by inhalation:**

Remove victim to fresh air. Seek medical attention if symptoms continue.

**In the event of splashes or contact with the eyes:**

Immediately flush eyes with water for at least 15 minutes and seek medical attention if irritation develops.

**In the event of splashes or contact with the skin:**

Wash affected area thoroughly with soap and water.

**In the event of swallowing:**

Rinse mouth and throat with water and give sips of water to drink.

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

General information

The severity of the symptoms described will vary dependent of the concentration and the length of exposure.

Inhalation

May cause shortness of breath and wheezing.

Ingestion

No specific symptoms noted.

Skin contact

In the event of prolonged contact may cause minor irritation.

Eye contact

May cause minor irritation.

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

Treat symptomatically.

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### 5. FIRE FIGHTING MEASURES

#### 5.1 Extinguishing media:

This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.

#### Suitable methods of extinction

Water, dry chemical or carbon dioxide.

#### Unsuitable methods of extinction

None known.

#### 5.2 Special hazards arising from the mixture

None known.

#### 5.3 Advice for fire-fighters

Protective equipment for fire-fighters

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

### 6. ACCIDENTAL RELEASE MEASURES

#### 6.1 Personal precautions, protective equipment and procedures

No special protective clothing (See Section 8).

#### 6.2 Environmental precautions

Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body.

#### 6.3 Methods and materials for containment and cleaning up

May be flushed to drains with plenty of water.

#### 6.4 Reference to other sections

For personal protection, see Section 8.

### 7. HANDLING AND STORAGE

#### 7.1 Precautions for safe handling

No specific usage precautions noted.

#### 7.2 Conditions for safe storage, including any incompatibilities

Store at moderate temperatures in dry, well ventilated area. Keep in original container.

#### 7.3 Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

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Usage Description

See Product Information Sheet & Label for detailed use of this product.

<b>8. EXPOSURE CONTROLS/PERSONAL PROTECTION</b>
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### 8.1 Control parameters

**Hazardous ingredients:**

**PROPAN-2-OL**

**Workplace exposure limits:**

State	8 hour TWA	15 min STEL
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UK	400ppm	500ppm
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**Respirable dust**

8 hour TWA	15 min. STEL
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999 mg/m <sup>3</sup>	1,250 mg/m <sup>3</sup>
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**PROPANE-1,2-DIOL**

**Workplace exposure limits:**

State	8 hour TWA	15 min. STEL
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EU	150ppm	-
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**Respirable dust**

8 hour TWA	15 min. STEL
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474 mg/m <sup>3</sup>	-
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### 8.2 Exposure controls

Engineering measures

Not relevant.

**Personal protection measures, such as personal protective equipment**

**Eye/face protection**

Not required under normal conditions of use.

**Hand protection**

Hand protection not required under normal conditions of use.

**Body protection**

Not required.

**Respiratory protection**

Respiratory protection not required. Use in a well ventilated area.

**Other protection**

None required.

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

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

##### General information:

Physical state

Appearance	Liquid
Colour	Clear/Pale brown
Odour	Fresh
Solubility	Soluble
pH	6-8
Specific gravity	1.01 g/cm <sup>3</sup>

##### Important health, safety and environmental information:

#### 9.2 Other information

None.

### 10. STABILITY AND REACTIVITY

#### 10.1 Reactivity

No specific reactivity hazards associated with this product.

#### 10.2 Chemical stability

No particular stability concerns.

#### 10.3 Possibility of hazardous reactions

See sections 10.1, 10.4 & 10.5.

#### 10.4 Conditions to avoid

There are no known conditions that are likely to result in a hazardous situation.

#### 10.5 Incompatible materials

No incompatible groups noted.

#### 10.6 Hazardous decomposition products

No hazardous decomposition products.

### 11. TOXICOLOGICAL

#### 11.1 Information on toxicological effects

##### Skin corrosion/skin irritation:

May cause minor irritation to skin.

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**Serious damage to eyes/eye irritation:**

May cause minor irritation and redness.

**Respiratory or skin sensitization:**

May cause shortness of breath. Avoid breathing product spray.

<b>12. ECOLOGICAL INFORMATION</b>
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**12.1 Toxicity**

We have not carried out any Aquatic testing, therefore we have no Aquatic Toxicity Data specifically for this product. The Aquatic Toxicity Data, where provided by the raw material manufacturer for ingredients with aquatic toxicity, can be made available on request.

**Mixtures**

**12.2 Persistence and degradability**

The preparation is readily biodegradable. The surfactants in this preparation comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.

**12.3 Bio-accumulative potential**

The product does not contain any substances expected to bio-accumulate.

**12.4 Mobility in soil**

This preparation is highly dispersible in water. It is highly likely to distribute predominantly to the aqueous environment.

**12.5 Results of PBT and vPvB assessment**

This product does not contain any PBT or vPvB substances.

**12.6 Other adverse effects**

Not known.

<b>13. DISPOSAL CONSIDERATIONS</b>
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**13.1 Waste treatment methods**

**Product Waste:**

Small amounts of unwanted product may be flushed with water to sewer. Larger volumes should be sent for disposal by an approved waste contractor.

**Soiled packaging:**

Rinse container and consign empty container to normal waste.

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### 14. TRANSPORT INFORMATION

General Not classified for transport.

**14.1 UN Number** Not applicable

**14.2 UN proper shipping name** Not applicable

**14.3 Transport Hazard class(es)** Not applicable

Land  
Inland Waterway Transport  
Sea  
Air

**14.4 Packing group** Not applicable

**14.5 Environmental hazards** Not applicable

**14.6 Special Precautions for user** Not applicable

### 15. REGULATORY INFORMATION

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

Safety Data Sheet prepared in accordance with REACH Commission Regulation (EU) No 453/2010, which amends Regulation (EC) No 1907/2006.

The product is as classified under CHIP Directive 1999/45/EEC Classification, Packaging & Labelling of Dangerous Preparations.

Ingredients are listed with classification under both CHIP - Directive 67/548/EEC - classification, packaging & labelling of dangerous substances & GHS/CLP Regulation (EC) No 1272/2008 classification, labelling & packaging of substances and mixtures.

#### 15.2 Chemical safety assessment

Not applicable - this product is a mixture.

### 16. OTHER INFORMATION

#### Information Sources

Material Safety Data Sheets from multiple raw material manufacturers.

CLP Classification - List of harmonised classification and labelling of hazardous substances. CHIP

Classification - List of harmonised classification and labelling of hazardous substances from Annex I to Directive 67/548/EEC.



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### Comments

This Material Safety Data Sheet has been prepared in accordance with REACH Commission Regulation (EU) No 453/2010, which amends Regulation (EC) No 1907/2006. Raw material (ingredient) hazard classifications are listed in both CHIP & CLP format.

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The Risk Phrases/Hazard Statements listed below relate to the raw materials (ingredients) in the product (as listed in Section 3) and NOT the product itself. For the Risk Phrases / Hazard Statements relating to this product refer to Section 2.

### Risk Phrases in Full

- R11 Highly flammable.
- R22 Harmful if swallowed.
- R36 Irritating to eyes.
- R38 Irritating to skin.
- R41 Risk of serious damage to eyes.
- R42 May cause sensitization by inhalation.
- R67 Vapours may cause drowsiness and dizziness.

### Hazard Statements in Full

- H225 Highly flammable liquid and vapour.
- H302 Harmful if swallowed.
- H315 Causes skin irritation.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- H336 May cause drowsiness or dizziness.

### Legal disclaimer:

The information provided is to the best of our knowledge correct and accurate. However, all data instructions and suggestions should be used only for guidance purposes. This company shall not be held liable for any damage resulting from handling or contact with the above product.