



**Bio8 Industrial Ltd**  
**PRODUCT SAFETY DATA SHEET**  
(according to Regulation (EC) No. 453/2010)

**1. Identification of the substance/mixture & of the company/undertaking**

**1.1 Product Identifier**

Trade Name : **EN714**

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

Use of the Substance/Mixture : Low Foam Cleaning Fluid with wax

Recommended restrictions on use : At this time we do not have information on restrictions. They will be included when available.

**1.3 Details of the supplier of the safety data sheet**

Company : Bio8 Industrial Ltd, McGregors Way, Hasland, Chesterfield.  
S40 2WB. Tel: 01246 733196 Fax: 01246 733196

**1.4 Emergency telephone number**

Emergency phone number : (Office hours only): 01246 733196

**2. Hazards Identification.**

**2.1 Classification of the substance or mixture**

**Classification according to EU Directive 1999/45/EC**

Hazard Symbol/Category of danger	Risk Phrases
Irritant	R36

**Classification according to Regulation (EC) No 1272/2008**

Refer to Section 16.

For the wording of the listed R phrases or H statements, refer to section 16.

**2.2 Label elements**

**Labelling according to EU Directive 1999/45/EC**

**Hazard Symbol:**



**Classification:** Xi Irritant

**Risk Phrases:** R36: Irritating to eyes

**Safety Phrases** S2: Keep out of reach of children.  
S24/25: Avoid contact with skin and eyes

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S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice  
S37/39: Wear suitable gloves & eye/face protection

### Labelling according to Regulation (EC) No 1272/2008

Refer to Section 16.

### 2.3 Other hazards

No other information is available

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## 3. Composition/Information on Ingredients.

### 3.2 Mixtures

Ingredient Name	Identifiers	Classification 67/548/EEC	Classification EC/1272/2008	Concentration Range
Ethoxylated Alcohol	EC – Polymer CAS – 68439-46-3	Harmful R22 Irritant R41	Acute Tox 4 H302 Eye Damage 1 H318	5-10%
Sodium Metasilicate	EC - 229-912-9 CAS – 6834-92-0	Corrosive R34 Irritant R37	Skin Corr 1B H314 STOT SE3 H335	1-5%
Dipropylene glycol Mono methyl ether	EC – 252-104-2 CAS – 34590-94-8	None	None	1-5%

For the wording of the listed R phrases or H statements, refer to section 16.

## 4. First Aid Measures.

### 4.1 Description of first aid measures

**Eye Contact:** Flush with plenty of clean water for at least 15 minutes. If irritation persists obtain medical attention.

**Skin Contact:** Wash off with water. Remove contaminated clothing and wash before re-use. Obtain medical attention if irritation persists.

**Inhalation:** Remove to fresh air. If symptoms persist, seek medical advice.

**Ingestion:** Rinse mouth with water. Water to drink and rinse may be beneficial. **Do not** induce vomiting without medical advice.

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

No further information available

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

Treatment: Treat symptomatically

## 5. Fire Fighting Measures:

### 5.1 Extinguishing Media

Suitable Extinguishing Media : Foam, Dry Powder, Co2, Halon, Fine Water Spray suitable.

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Unsuitable Extinguishing Media :

## 5.2 Special hazards arising from the substance or mixture

Not classed as flammable.

## 5.3 Advice for fire fighters

Wear self contained breathing apparatus and protective clothing. Cool closed containers exposed to the fire with water spray. Prevent water run-off from discharging into drains.

## 6. Accidental Release Measures.

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

Wear protective equipment. Keep unprotected persons away. Use protective clothing, chemical eye goggles and PVC or rubber gloves. Avoid contact with skin and eyes.

### 6.2 Environmental precautions

Inform authorities in case of contamination of water or sewage system. Do not allow product to soak into drains or water courses.

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

Soak liquid in absorbent material and collect solids in a container. Wash down floor area as spillages can be slippery. Dispose only in accordance with Local Authority regulations, via authorised waste disposal agent.

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### 6.4 Reference to other sections

For personal protection refer to section 8

## 7. Handling and Storage.

### 7.1 Precautions for safe handling

Take note of emission threshold. Avoid contact with skin and eyes. Wear chemical goggles when handling the undiluted product. The use of appropriate barrier and after-work creams may be beneficial. Observe good standards of industrial hygiene.

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

Keep containers tightly closed. Store between 10-35°C. Protect from frost. Store in a cool dry place away from heat or sources of combustion.

### 7.3 Specific end uses

To be used as a low foam cleaning fluid.

## 8. Exposure Controls/Personal Protection.

### 8.1 Control parameters

Ingredient Name		8hr TWA	15min STEL
Sodium Metasilicate	WEL	10mg/m <sup>3</sup>	4mg/m <sup>3</sup>
Di-propylene glycol mono-methyl ether	WEL	50ppm (sk)	

### 8.2 Exposure controls

Respiratory Protection: Unlikely to be necessary where adequate ventilation is provided.

Eyes: Eye protection should be worn.

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Hand: PVC or rubber gloves are recommended.  
Skin: Remove contaminated clothing and wash with soap and water.

### 8.2.3 Environmental exposure controls

Dispose only in accordance with Local Authority regulations, via authorised waste disposal agent.

## 9. Physical and Chemical Properties.

### 9.1 Information on basic physical and chemical properties

Appearance:	Fluoro Green Fluid
Odour:	Bland
Odour Threshold:	Not determined
pH Neat:	12.5 typical
Freezing Point:	Not determined
Initial Boiling Point & Boiling Range:	100°C
Flash Point:	Not determined
Evaporation rate:	Not determined
Flammability:	Not flammable
Upper/Lower Flammability Limits:	Not determined
Vapour Pressure:	Water = 18mm Hg
Vapour Density:	Not determined
Relative Density:	1.015 typical @ 20°C
Solubility:	Soluble in water
Partition Coefficient (Oct/Water):	Not determined
Auto Ignition Temperature:	Not determined
Decomposition Temperature:	Not determined
Viscosity:	Not determined
Explosive Properties:	Not determined
Oxidising Properties:	Not applicable

### 9.2 Other Information

pH 5% in tap water: 11.5 typical

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## 10. Stability and Reactivity.

### 10.1 Reactivity

No information available

### 10.2 Chemical Stability

No decomposition if stored and applied as directed.

### 10.3 Possibility of hazardous reactions

No information available.

### 10.4 Conditions to Avoid:

High temperatures, naked flames.

### 10.5 Incompatible materials

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No information

### 10.6 Hazardous decomposition products

Oxides of carbon, water vapour and unidentified compounds, some of which may be toxic may be evolved. Product is stable under normal conditions.

## 11. Toxicological Information.

### 11.1 Information on toxicological effects

Eyes: Classified as an eye irritant. Contact with the eyes likely to cause irritation and stinging.  
Skin: Not classified as a skin irritant. Exposure to the skin may give rise to irritation. Prolonged or repeated contact may lead to de-fatting of the skin and/or slight irritation.  
Inhalation: Unlikely to present any significant hazard at ambient temperature. Excessive exposure to mists caused by atomising systems may cause irritation to eyes and respiratory tract.  
Ingestion: Low order of acute toxicity. Ingestion of this product is not regarded as a significant health hazard, likely to arise in normal use. Swallowing of significant amounts may lead to vomiting and diarrhoea.

Acute Toxicity:	Ethoxylated Alcohol	LD50 Oral (rat)	>2000 mg/kg
	Sodium Metasilicate	LD50 Oral (rat)	<1280 mg/kg
	Dipropylene glycol	LD50 Oral (rat)	>5000 mg/kg
	Mono-methyl ether		

## 12. Ecological Information.

### 12.1 Toxicity

Eco-toxicity:	Ethoxylated Alcohol	LC50 96hrs (fish)	1-10 mg/l
		EC50 48hrs (daphnia)	1-10 mg/l
	Sodium Metasilicate	LC50 96 hrs (fish)	3185 mg/l
		EC50 48 hrs (daphnia)	4857 mg/l
	Dipropylene glycol	LC50 96hrs (fish)	>10000 mg/l
	Mono-methyl ether		

### 12.2 Persistence and Degradability:

The surfactant(s) contained in this preparation complies (comply) with the Biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents, (or are undergoing testing to obtain a derogation within the terms of the directive). Data to support this assertion are held at the disposal of the Competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer. Expected to bio-degrade.

### 12.3 Bio-accumulative potential

Not expected to bio-accumulate

### 12.4 Mobility in soil

Soluble in water

### 12.5 Results of PBT and vPvB assessment

No information

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### 12.6 Other adverse effects

Not known.

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### **13. Disposal Recommendations.**

#### **13.1 Waste treatment methods**

Product and empty containers should be disposed of via an authorised waste disposal contractor in accordance with all local and national regulations. Advice can be obtained from the Waste Regulation Authority whether special waste regulations apply to this product.

### **14. Transport Information.**

Product is not classified as hazardous for transport.

### **15. Regulatory Information.**

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

Safety data sheet according to Regulation (EC) No. 453/2010.

This mixture has been classified and labelled in accordance with 1999/45/EC. Classification in accordance with EC 1272/2008 is derived from Annex VII in accordance with Article 61 paragraph 5.

1907/2006/EC - Registration, Evaluation, Authorisation and Restriction of Chemicals and amendments.

98/24/EC - Protection of workers from the risk related to chemical agents at work. Refer to Directive for details of requirements.

1272/2008 - Classification, labelling and packaging of substances and mixtures and amendments.

Refer to the relevant EU/national regulation for details of any actions or restrictions required by the above Regulation(s)/Directive(s).

The regulatory information provided may not be comprehensive. Other regulations may apply to this product.

#### **15.2 Chemical safety assessment**

No information at the present time.

### **16. Other Information.**

#### **Classification according to Regulation (EC) No 1272/2008**

Hazard Class	Hazard Category	Hazard Statements
Eye Irritation	Category 2	H319

#### **Labelling according to Regulation (EC) No 1272/2008**

Hazard Symbols:



Signal word: **Warning**

Hazard Statements: H319 Causes serious eye irritation

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#### Precautionary Statements:

##### General:

\*P102: Keep out of reach of children

\*(Recommended for consumer products only)

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#### Prevention:

P264: Wash skin thoroughly after handling

P280: Wear protective gloves

#### Response:

P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313: If eye irritation persists: Get medical advice/attention.

#### Full text of R-phrases referred to under sections 2 & 3

R22: Harmful if swallowed

R34: Causes burns

R37: Irritating to the respiratory system

R41: Risk of serious damage to eyes

#### Full text of H-Statements referred to under sections 2 & 3

H302: Harmful if swallowed

H314: Causes severe skin burns and eye damage

H318: Causes serious eye damage

H319: Causes serious eye irritation

H335: May cause respiratory irritation

#### Training Advice

Users should be trained in good industrial hygiene practise.

**Department issuing data specification sheet:** Health and Safety Department

#### Contact

Andrew Hiron. Tel (0)1246 733196, E-Mail: [info@bio8.co.uk](mailto:info@bio8.co.uk)

This data sheet does not constitute an assessment of the workplace risks as required under the provisions of the Health & Safety at Work act and the Control of Substances Hazardous to Health (COSHH).

Do not mix with other chemicals.

#### Further Information

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The information supplied above is based upon the present state of our knowledge of the product at the time of publication. It is given in good faith and no warranty is implied with respect to the specification or quality of the product. The user must satisfy themselves that the product is entirely suitable for his purpose.

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