



**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 : **EN712 NON HAZARDOUS CLEANER**

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

Use of the : Hard Surface Cleaner  
Substance/Mixture

Recommended restrictions : At this time we do not have information on restrictions.  
on use 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.  
Derbyshire, 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
None	None

**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**

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

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

Refer to Section 16.

**2.3 Other hazards**

No other information is available

**3. Composition/Information on Ingredients.**

**3.2 Mixtures**

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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	1-5%
Sodium Carbonate	EC - 207-838-8 CAS – 00497-19-8	Irritant R36	Eye Irrit. 2 H319	1-5%

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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. The application of skin reconditioning (emollient) cream can be beneficial.

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

**Ingestion:** Do not induce vomiting. Call for medical advice. Rinse mouth with water.

##### **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, fine water spray suitable.

Unsuitable Extinguishing Media : None

##### **5.2 Special hazards arising from the substance or mixture**

Not combustible.

##### **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**

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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.

### 6.4 Reference to other sections

For personal protection refer to section 8

## 7. Handling and Storage.

### 7.1 Precautions for safe handling

Avoid contact with skin and eyes. Observe good standards of industrial hygiene. Take note of emission threshold.

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

Keep containers tightly closed. Store between 10-35°C. Protect from frost. Do not store in extremes of temperature or near foodstuffs.

### 7.3 Specific end uses

To be used as a hard surface cleaner

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## 8. Exposure Controls/Personal Protection.

### 8.1 Control parameters

WEL's not listed for individual components

### 8.2 Exposure controls

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

Eyes: Eye protection should be worn.

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: Clear Water White Fluid

Odour: Perfume

Odour Threshold: Not determined

pH Neat: 11.5 typical

Freezing Point: Not determined

Initial Boiling Point & Boiling Range: 100°C

Flash Point: Not applicable

Evaporation rate: Not determined

Flammability: Not Flammable

Upper/Lower Flammability Limits: Not applicable

Vapour Pressure: Not determined

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<b>Vapour Density:</b>	Not determined
<b>Relative Density:</b>	1.00 typical @ 20°C
<b>Solubility:</b>	Soluble in water
<b>Partition Coefficient (Oct/Water):</b>	Not determined
<b>Auto Ignition Temperature:</b>	Not applicable
<b>Decomposition Temperature:</b>	Not determined
<b>Viscosity:</b>	Not determined
<b>Explosive Properties:</b>	Not applicable
<b>Oxidising Properties:</b>	Not applicable

## 9.2 Other Information

No other information

## 10. Stability and Reactivity.

### 10.1 Reactivity

Product is stable under normal conditions

### 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

Strong oxidising agents, strong acids

### 10.6 Hazardous decomposition products

Oxides of carbon, water vapour and unidentified, some of which may be toxic may be evolved.

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## 11. Toxicological Information.

### 11.1 Information on toxicological effects

Eyes:	Not classified as an eye irritant. Contact with the product is likely to cause irritation and stinging.		
Skin:	Not classified as a skin irritant. Brief or occasional contact is unlikely to cause any significant reaction. 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 Carbonate	LD50 Oral (rat)	>5000 mg/kg

## 12. Ecological Information.

### 12.1 Toxicity

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Eco-toxicity:	Ethoxylated Alcohol	LC50 96hrs (fish)	1-10 mg/l
		EC50 48hrs (daphnia)	1-10 mg/l
	Sodium Carbonate	EC50 48 hrs (daphnia)	200 mg/l

### 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.

### 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

### 12.6 Other adverse effects

Not known.

## 13. Disposal Recommendations.

### 13.1 Waste treatment methods

Product should be disposed of via an authorised waste disposal contractor in accordance with all local and national regulations. Dispose of empty containers in accordance with 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.

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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
None	None	None

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

Hazard Symbols:	None	Signal word:	None	Hazard Statements:	None
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Precautionary Statements:

General:

P102: Keep out of reach of children

Prevention:

P262: Do not get in eyes, on skin or on clothing

P280: Wear protective gloves/eye protection

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

R22: Harmful if swallowed

R36: Irritating to eyes

R41: Risk of serious damage to eyes

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

H302: Harmful if swallowed

H318: Causes serious eye damage

H319: Causes serious eye 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 01246 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.

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### **Further Information**

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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