



**GRANWAX**  
Products Limited

# MATERIAL SAFETY DATA SHEET

Product name: **Alkaline Cleaner**

Reviewed date: September 2009

Reviewed by MC

## 1. Identification of substance

Substance: **Alkaline Cleaner**  
Supplier: Granwax Products Limited  
West Street  
Riddings, Alfreton  
Derbyshire DE55 4EW  
Telephone: 01773 541177 Fax: 01773 541429  
This revision: September 2009

## 2. Composition/Data on components

### Hazardous ingredients

	Conc.	CAS	Risks	EINECS
Sodium hydroxide	1 - 10%	1310-73-2	C;R35	215-185-5
TRISODIUM NITROLOTRIACETATE	0.5 - 1%	5064-31-3	Xn;R22 Xi;R36	225-768-6
SODIUM XYLENE SULPHONATE	0 - 0.5%	1300-72-7	Xi;R36 Xi;R37 Xi;R38	
ALCOHOL ETHOXYLATE	0.5 - 1%	68439-45-2	Xn;R22 Xi;R36 Xi;R38	
WATER	80 - 90%			
TETRA POTASSIUM PYROPHOSPHATE	0.5 - 1%	7320-34-5		230-785-7
SODIUM METASILICATE PENTA HYDRATE	1 - 10%	6834-92-0	C;R34	229-92-9
2 BUTOXY ETHANOL	1 - 10%	111-76-2	Xn;R20 Xn;R21 Xn; R22 Xi;R36 Xi;R38	

## 3. Hazards identification

Irritating to eyes and skin.

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## 4. First aid measures

### General:

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

### Inhalation:

Remove to fresh air, keep the patient warm and at rest. If breathing has stopped, administer artificial respiration. Give nothing by mouth. If unconscious, place in the recovery position and seek medical advice.

### Eye contact:

Contact lenses should be removed. Irrigate copiously with clean, fresh water for at least 10 minutes, holding eyelids apart, and seek medical advice.

### Skin contact:

Remove contaminated clothing. Wash skin thoroughly with soap and water or use a proprietary skin cleaner. DO NOT use solvents or thinners.

### Ingestion:

If accidentally swallowed obtain immediate medical attention. Keep at rest. DO NOT induce vomiting

## 5. Fire fighting measures

### **Extinguishing media**

Carbon dioxide (CO<sub>2</sub>).

### **Fire hazards**

Burning produces irritating, toxic and obnoxious fumes.

### **Protective equipment**

Wear suitable respiratory equipment when necessary.

## 6. Accidental release measures

### **Personal precautions**

Ensure adequate ventilation of the working area. Wear suitable protective equipment.

### **Environmental precautions**

Do not allow product to enter drains. Prevent further spillage if safe.

### **Clean up methods**

Absorb with inert, absorbent material. Sweep up. Transfer to suitable, labelled containers for disposal. Clean with spillage area thoroughly with plenty of water.



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## 7. Handling & storage

### Handling

Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Adopt best Manual Handling considerations when handling, carrying and dispensing.

### Storage

Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in correctly labelled containers.

## 8. Exposure controls & personal protection

### Exposure limits

Sodium hydroxide

WEL 15 min limit mg/m<sup>3</sup>: 2

2-Butoxyethanol

WEL 8-hr limit ppm: 25

WEL 15 min limit ppm: 50

### Engineering measures

Ensure adequate ventilation of the working area.

### Respiratory protection

Wear: Suitable respiratory equipment.

### Hand protection

Chemical resistant gloves (PVC).

### Eye protection

Approved safety goggles.

### Protective equipment

Wear chemical protective clothing.

## 9. Physical and chemical properties

**Description** Liquid.

**Colour** Clear.

**Odour** Characteristic.

**pH** 13.5

**Boiling point** 100°C

**Relative density** 1.05 NOMINAL

**Water solubility** slightly soluble in water.

## 10. Stability and reactivity

Stable under normal conditions.



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## 11. Toxicological information

May cause irritation to mucous membranes.

Irritating to eyes and skin. May cause severe irritation to eyes and skin.

## 12: Ecological Information

No data is available on this product.

More than 90% biodegradable. DETERGENTS IN THIS FORMULATION ARE >90% BIODEGRADABLE. Inorganic materials are inherently not biodegradable however those present in this formulation/product are either of no known significant environmental hazard or are readily neutralised to form inert salts.

## 13. Disposal considerations

Dispose of in compliance with all local and national regulations.

## 14. Transport information

The product is not classified as dangerous for carriage.

## 15. Regulatory information

The product is classified in accordance with 67/548/EEC. The product is classified in accordance with 67/548/EEC.

R36/38 - Irritating to eyes and skin.

S1/2 - Keep locked up and out of the reach of children.

S24/25 - Avoid contact with skin and eyes.

S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36 - Wear suitable protective clothing.

S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

## 16. Other information

There is no other relevant information relating to the use of this product.