



# NORTHERN ENVIRONMENTAL

## **1. Identification of the Substance/Preparation & Supplier.**

**Supplier:** Northern Environmental Supplies Ltd.  
427b Thorp Arch Trading Estate, Wetherby. LEEDS. LS23 7BJ.  
TEL: 0800 808 7887

**In case of Emergency call: 07854 96 22 95**

**Product Name: ECO DISHWASH (T036)**  
**Product Type: Low Foam Alkaline Cleaner**

## **2. Composition/Information on Ingredients.**

Hazardous component:	Cas No.	Index	Risk Phrases:	Concentration:
Sequestrant		Xi	R36/38	5-10%
Potassium Hydroxide	1310-58-3	C	R35	10-20%

## **3. Hazards Identification.**

Classified as Corrosive under CHIP regulations.

## **4. First Aid Measures.**

**Eye Contact:** Flush with plenty of clean water for at least 15 minutes. 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:** Milk or water to drink may be beneficial. Do not induce vomiting without medical advice.

## **5. Fire Fighting Measures:**

**Flammability:** Not classed as flammable.  
**Extinguishing Media:** Foam, Dry Powder, Co2, Halon, fine water spray suitable.  
**Protective Equipment:** Standard protective equipment.

## **6. Accidental Release Measures.**

Wear gloves/eye protection. Do not allow product to soak into drains or water courses. Neutralise with dilute inorganic acid. Soak liquid in absorbent material and collect solids in a container. Wash down floor area as spillages can be slippery.

## **7. Handling and Storage.**

**Storage Precautions:** Store between 0-35°C. Keep in tightly closed containers. Protect from frost.  
**Handling:** Avoid contact with skin and eyes. Observe good standards of industrial hygiene.

## **8. Exposure Controls/Personal Protection.**

Ingredient Name	8hr TWA	15min STEL
Potassium Hydroxide	WEL	2mg/m3

**Respiratory Protection:** Unlikely to be necessary where adequate ventilation is provided.  
**Eyes:** Chemical eye goggles should be worn. Use face shield.  
**Hand:** PVC or rubber gloves are recommended.  
**Skin:** Use protective clothing. Remove contaminated clothing and wash with soap and water.

## **9. Physical and Chemical Properties.**

Appearance	Very Pale Amber Fluid	Specific Gravity @ 20°C	1.200 typical
Odour	Bland	pH Neat	13.50 typical
pH @ 2% in tap water	12.50 typical	Boiling Point	100°C
Freezing Point	0°C	Vapour Pressure	Water=18mm Hg
Water Solubility	Totally soluble		

## **10. Stability and Reactivity.**

**Stability:** Stable under normal conditions.  
**Hazardous Decomposition:** Avoid contact with acids, aluminium, tin, zinc or alloys containing these metals.  
Avoid contact with leather and wool.  
**Conditions to Avoid:** Naked flames, hot surfaces, other high temperature sources.

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### 11. Toxicological Information.

Eyes: Product is destructive to eye tissue and can even cause blindness.  
Skin: Product is destructive to skin tissue and causes severe burns.  
Inhalation: Mists and vapours may cause damage to upper respiratory tract and even lung tissue.  
Ingestion: If ingested this substance can cause severe burns and complete tissue perforation of mucous membranes. Oral Rat LD50 365 mg/kg.

### 12. Ecological Information.

There is no data available on the product itself.  
The components of the product exhibit good to moderate biodegradability and readily broken down by sewage treatment plants. They are not expected to bio-accumulate.  
Potassium Hydroxide is lethal to aquatic life if the pH of the water rises to 10.0 or more. LC50 96hr Mosquito Fish 39-56 mg/litre.

### 13. Disposal Recommendations.

Product should be disposed of via an authorised waste disposal contractor in accordance with all local and national regulations.  
Wash out containers with water, running the washings to sewage treatment plant system. Dispose of empty containers in accordance with local and national regulations or speak to Northern Environmental about our Waste Container Recycling Programme!  
Advice can be obtained from the Waste Regulation Authority whether special waste regulations apply to this product.

### 14. Transport Information.

UN No. 1719	IMDG 8147	Tremcard: 80G12	Packing Group III	Class 8
Proper Shipping Name: Caustic Alkali Liquid Nos.		HI No: 80	EMS No: 8-06	MFAG No: 705
ADR Classification Code: C5		Limited Quantities Code: LQ19		

### 15. Regulatory Information.

Label for Supply: Corrosive.  
Hazard Symbol: C  
Risk Phrases: R35: Causes Severe Burns  
Safety Phrases: S2: Keep out of reach of children.  
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S36/37/39: Wear suitable protective clothing, gloves and eye/face protection.  
S45: In case of accident or if you feel unwell seek medical advice immediately  
(show the label where possible).

### 16. Other Information.

Do not mix with other chemicals.  
The information provided in this data sheet has been compiled in accordance with the requirements of the Chemicals (Hazard information and packaging) Regulations, Directive 93/112/EC.  
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).

### Legal Disclaimer:

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 himself that the product is entirely suitable for his purpose.