

Material Safety Data Sheet

POTASSIUM HYDROXIDE 8N

IMPORTANT: Read this MSDS before handling and disposing of this product and pass this information on to employees, customers and users of this product. The contents and format of this MSDS are in accordance with EC Commission Directive 91/155EEC.

1. **Identification**
 Chemical Name Potassium Hydroxide Solution 8N
 Company ID No T/16450
 Emergency Phone No 01224 825394

- 2.1 **Composition/Information on ingredients**

Potassium Hydroxide	CAS No. 1310-58-3	30-60%
Water		40-70%

3. **Hazards Identification**
 Causes severe burns

4. **First Aid Measures**
 - Eye Contact
 - Irrigate thoroughly with water for at least 10 mins. Obtain medical attention
 - Inhalation
 - Remove from exposure, rest and keep warm. In severe cases, or if exposure has been great, obtain medical attention
 - Skin Contact
 - Drench the skin thoroughly with water. Remove contaminated clothing and wash before re-use. Obtain medical attention
 - Ingestion
 - Wash out mouth thoroughly with water and give plenty of water to drink. DO NOT induce vomiting. Obtain medical attention

5. **Fire Fighting Measures**
 Special Risks This material is not combustible
 Suitable Extinguishing Media Use extinguishing material as appropriate to surrounding fire

6. **Accidental Release Measures**
 Wear appropriate protective clothing. Inform others to keep at a safe distance. If local regulations permit, mop up cautiously with plenty of water and run to waste. Wash site of spillage thoroughly with water. For large spillage liquids should be contained with sand or earth and transferred to salvage containers. Any residues should be treated as for small spillage.

7. **Handling and Storage**
 Store in cool dry place
 Store separated from acids

8. **Exposure controls / Personal Protection (as appropriate to quantities handled)**

Protective Equipment	Goggles or face-shield, rubber or plastic gloves, plastic apron, sleeves and boots if handling large quantities	
Respiratory Protection	Self-contained breathing apparatus	
Ventilation	Fume cupboard	

9. **Physical and Chemical Properties**

Form	Liquid
Colour	Colourless
Odour	Odourless
Melting Point	n/a
Boiling Point	n/a
pH Value	<1
Solubility in Water (% weight)	Miscible in all proportions

10. **Stability and Reactivity**
 Stability Stable
 Substances to be Avoided The solution is strongly alkaline and reacts with strong acids with heat generation
 Avoid contact with: Aluminium, zinc and acetone. Reacts strongly with concentrated acids and chlorohydrocarbons.

11. **Toxicological information**

After Inhalation of Vapours	Irritation symptoms in the respiratory tract
After Skin contact	Causes burns
After Eye contact	Causes burns
Irritation	
No evidence of carcinogenic properties or mutagenic or teratogenic effects	

12. **Ecological Information**
 Dangerous for the environment if discharged into water courses. Harmful effect due to pH shift.

13. **Disposal Considerations**
 Chemical residues are generally classified as special waste, and as such are covered by regulations which vary according to location. Contact your local waste disposal authority for advice, or pass to a chemical disposal company. Rinse out empty containers thoroughly before returning for recycling.

14. **Transportation Information**

UN No	1814	IMDG class	8
IMO	8/1814	Packing Group	II
IATA	1814	Packing Group	II
Correct technical name	Potassium Hydroxide Solution	ADR/RID	

15. Regulatory Information

EEC Labelling

Symbol

Corrosive

R Phrase(s)

R-35

S Phrase(s)

S-26 S-45 S-24/25 S-36/37/39

16. Other Information

All information, recommendations and suggestions herein concerning the above product are based upon data believed to be reliable, however, it is the users responsibility to determine the safety, toxicity, and suitability for his/her own use of the product described herein. The information herein should not be construed as being absolutely complete since additional information may be necessary or desirable when special or exceptional circumstances exist or because of applicable laws or regulations.

Disclaimer

The preceding is given in good faith as required under the health and safety at work act 1974, but no warranty is implied or given. The information provided is designed to enable the user to use the product safely. If the information is insufficient to ensure safety in any particular application, contact "the supplier" for further advice before proceeding.

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Rev Date 01.08.07