

Material Safety Data Sheet

5N (5MOL) SODIUM HYDROXIDE

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 Description Sodium Hydroxide 5N

2. **Composition**
Aqueous solution containing 200g/ L Sodium Hydroxide

3. **Hazards Identification**
Health Hazard Causes burns

4. **First Aid Measures**
 - Eye Contact
 - Irrigate thoroughly with water lifting the eye lids. Obtain medical attention
 - Inhalation
 - Remove from exposure. Obtain medical attention
 - Skin Contact
 - Wash off skin thoroughly with soap & water
 - Ingestion
 - DO NOT induce vomiting. Drink large volumes of water to dilute the swallowed chemical

5. **Fire Fighting Measures**
Extinguishing Media This material is not combustible. Use extinguishing media appropriate for surrounding fire.

6. **Accidental Release Measures**
Wear appropriate protective clothing. Contain and recover liquid if possible. Absorb with dry sand or earth place in container for removal by disposal company.

7. **Handling and Storage**
Store in original container in cool dry place 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	Not applicable			
Ventilation	Not applicable			

9. **Physical and Chemical Properties**

Appearance/Form	Colourless Liquid			
Melting Point	n/a			
Flash Point (degC)	n/a			
Boiling Point	n/a			
Auto-ignition Temp. (degC)	n/a			
Solubility in water	Miscible in all proportion			

10. **Stability and Reactivity**

Stability	Stable								
Reaction with Water	None								
Other Known Hazards	The solution is strongly alkaline and reacts with strong acids with heat generation. Avoid Aluminium, Zinc, Tin								
Avoid Contact With: Water	(no)	Acids	(yes)	Bases	(no)	Oxidisers	(no)	Combustibles	(no)

11. **Toxicological information**

Toxicity	Causes burns, severe pulmonary irritation and damage to mucous membranes.			
Carcinogenicity	No evidence of carcinogenic properties			
Mutagenicity	No evidence of mutagenic effects			
Exposure Limits	OES LT EXP.8Hrs : No std ST EXP.15Min : 2mg/m3			

12. **Ecological Information**
Dangerous if discharged into watercourses. Harmful effect due to pH shift

13. **Disposal Considerations**
Dispose of in accordance with local authority requirements or pass to chemical disposal company.

14. **Transportation Information**

Correct Technical Name	Sodium Hydroxide Solution	UN No	1824
Packing Group	11	IATA	1824
Packing Group	11	IMO	1824
ADR/RID	1824	Class 8	Corrosive substance

15. **Regulatory Information**

Symbol	Corrosive		
Risk Phrases	R-34		
Safety Phrases	S-26 S-45 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