

**Material Safety Data Sheet 5N SULPHURIC ACID**

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.

**2.1 Composition of the Preparation**

Aqueous solutions containing Sulphuric acid CAS No. 7664-93-9 10-30%

**3. Hazards Identification**

Health Hazard Causes severe burns

**4. First Aid Measures**

- Eye Contact
  - Irrigate thoroughly with water for at least 10 minutes. OBTAIN MEDICAL ATTENTION. Continue to rinse especially under the lids.
- Inhalation
  - Remove from exposure, rest and keep warm. In severe cases obtain medical attention.
- Skin Contact
  - Wash off skin thoroughly with water. Remove contaminated clothing and wash before re-use. In severe cases obtain medical attention.
- Ingestion
  - DO NOT INDUCE VOMITING. Wash out mouth thoroughly with water and give plenty of water to drink. Obtain medical attention.

**5. Fire Fighting Measures**

Fire can be extinguished using Foam, Carbon dioxide, Dry chemicals. DO NOT use water if avoidable

**6. Accidental Release Measures**

PRECAUTIONS Wear appropriate protective clothing. Isolate hazard area. Keep unnecessary and unprotected personnel from entering the area.

Contain and recover liquid if possible otherwise liquids should be contained with sand or earth and both liquids and solids transferred to salvage containers for removal by disposal company. Do not contaminate water sources or sewers. If material has entered surface drains it may be necessary to inform local authorities.

**7. Handling and Storage**

Special Requirements Avoid contact with water. NEVER add water to acid when diluting

**8. Exposure controls / personal protection (as appropriate to quantity handled)**

Respiratory Protection Supply adequate ventilation to exhaust airborne product or suitable respirator  
 Eye Protection Splash proof eye goggles or face shield  
 Ventilation If possible use fume cupboard  
 Other Measures Plastic apron, sleeves, boots - if handling large quantities. Provide eyewash station

**9. Physical and Chemical Properties**

Description Colourless solution  
 Solubility Miscible in all proportions  
 M Pt (deg°C) n/a  
 Flash Point (deg°C) n/a  
 B Pt (deg°C) n/a  
 Auto-Ignition Temp (deg°C) n/a  
 Specific Gravity n/a

**10. Stability and Reactivity**

Stability Stable  
 Reaction With Water Generates heat  
 Other Known Hazards Asphyxiating mixtures generated with: Cyanides High temperatures generate Sulphur dioxide  
 Avoid Contact With: Water (yes) Acids (No) Bases (Yes) Oxidisers (yes) Combustibles (yes)

**11. Toxicological information**

Toxicity Vapour may cause damage to mucous membranes of nose throat and lungs. If swallowed may cause burns in mouth, oesophagus and stomach. May cause serious skin burns. Risk of serious damage to eyes.  
 Carcinogenicity No evidence of carcinogenic properties  
 Mutagenicity No evidence of mutagenic properties  
 Exposure Limits OSHA Permissible Exposure = 1mg/m3 (ceiling) ACGIH(TLV) 1mg/m3(TWA)3mg/m3

**12. Ecological Information - Dangerous for the environment if discharged into watercourses,**

Harmful effect due to pH shift  
 LC50, 96HRS, Fish mg/l: 10, lethal from 1.2mg/l, 6.3mg/l is lethal in 24hours.

**13. Disposal Considerations**

Dispose of in accordance with local authority regulations or pass to chemical disposal company

**14. Transportation Information**

UN No	2796	Packing Group	11
IMDG	2796	Packing Group	11
ADR	2796	Packing Group	11

**15. Regulatory Information**

Label Corrosive  
 Risk Phrases R-35  
 Safety Phrases S-26 S-30 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.

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