SAFETY DATA SHEET: N-(1-NAPHTHYL)ETHYLENEDIAMINE Dihydrochloride

1. IDENTIFICATION

Product Name: N-(1-NAPHTHYL)ETHYLENEDIAMINE Dihydrochloride

Synonyms:

Formula and Formula Weight: C10H7NHCH2CH2NH2 2HCl 259.18

Integra numbers beginning with: N158.10

Recommended Use: Commercial/industrial use

Restrictions on Use: No information available

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2. HAZARDS IDENTIFICATION

OSHA Classification:

- Skin Corrosion/Irritation: 2 Causes skin irritation.
- Eye Damage/Irritation: 2A Causes serious eye irritation.
- Specific Target Organ Toxicity (single exposure): 3 May cause respiratory irritation.

Signal Word: WARNING

Precautionary Statements

Prevention:

Avoid breathing dust, fume, gas, mist, vapors, spray. Use only outdoors or in a well-ventilated area. Wash thoroughly after handling. Wear eye protection, face protection. Wear protective gloves.

Response:

If on skin: Wash with plenty of water. If skin irritation occurs: Get medical advice, attention. If inhaled: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice, attention. Call a poison center, doctor if you feel unwell. Specific treatment (see first aid section on this label) Take off contaminated clothing and wash it before reuse.

Storage:

Store locked up in a well ventilated place. Keep container tightly closed.

Disposal:

Dispose of contents, container in accordance with all governmental regulations.

Hazards Not Otherwise Classified: No information available

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Component</th>
<th>Synonyms</th>
<th>CAS #</th>
<th>% Weight</th>
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<tbody>
<tr>
<td>N-(1-Naphthyl)ethylenediamine dihydrochloride</td>
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<td>01465-25-4</td>
<td>100</td>
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4. FIRST AID MEASURES

Inhalation: Remove person to fresh air and keep comfortable for breathing.

Eye Contact: Flush eyes with plenty of water. Remove contact lenses, if present and easy to do. If irritation persists, seek medical attention.

Skin Contact: Wash with soap and water. Seek medical attention if irritation develops.

Ingestion: Rinse mouth and give victim large quantities of water. Never give anything by mouth to an unconscious person. Seek immediate medical attention.

Additional notes: Symptoms and effects include skin, eye, respiratory irritation.

5. FIRE-FIGHTING MEASURES

Extinguishing Media: Use extinguishing media appropriate for surrounding fire.

Special Equipment and Precautions: Use water to cool nearby containers and structures. Wear full protective equipment, including suitable respiratory protection.

Specific Hazards: As with most organic solids, combustion is possible at elevated temperatures.


6. ACCIDENTAL RELEASE MEASURES

OSHA SDS #: 25982 rev 101 3/27/2015 N-(1-NAPHTHYL)ETHYLENEDIAMINE Dihydrochloride
Spill Procedures: Remove all potential ignition sources. Prevent spread of spill. Wear suitable protective equipment. Take up with non-combustible inert material and place into container for disposal. Flush spill area with water.

7. HANDLING AND STORAGE

Incompatible Materials: Incompatible with strong acids and strong oxidizers.

Storage and Handling: Store locked up in a cool, dry, well-ventilated area away from incompatible materials. Keep containers tightly closed and protect them from physical damage. Avoid breathing dust, fume, gas, mist, vapors, spray. Use only outdoors or in a well-ventilated area. Wash thoroughly after handling. Wear eye protection, face protection. Wear protective gloves.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

OSHA & ACGIH Exposure Limits:

N-(1-Naphthyl)ethylenediamine dihydrochloride None identified

Engineering Controls: Use adequate general or local exhaust ventilation to keep fume and/or dust levels as low as possible.

Respiratory Protection: If use generates dusts, mists or vapors, use a NIOSH approved respirator with a particulate filter.

Skin/Eye Protective Equipment: Safety goggles, protective clothing and gloves appropriate for the risk of exposure. Facilities storing or utilizing this material should have readily accessible eyewash stations and safety showers. Select respirators and other safety equipment in accordance with regulations and based upon the particular conditions of use and risk of exposure. Always use safe chemical-handling and good industrial hygiene practices.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Off-white odorless, crystalline powder

Odor: Not available

Odor Threshold: Not available

pH: Not available

Melting/Freezing Point: Not available

Initial Boiling Point and Boiling Range: Not available

Flash Point: Not available

Evaporation Rate: Not available

Flammability: Not available

Flammable or Explosive Upper: Not available

Lower: Not available

Vapor Pressure: Not available

Vapor Density: Not available

Relative Density: Not available

Solubility: Slightly soluble in water

Partition Coefficient: n-octanol/water Not available

Auto-Ignition Temperature: Not available

Decomposition Temperature: 194

Viscosity: Not available

10. STABILITY AND REACTIVITY

Reactivity: No information available

Stability: Stable

Possibility of Hazardous Reactions: Hazardous polymerization will not occur

Conditions to Avoid: Excessive heat and exposure to light. Moisture

Incompatibles: Incompatible with strong acids and strong oxidizers.


11. TOXICOLOGICAL INFORMATION

Effects of Over Exposure:

Inhalation: Inhalation may irritate the nose, throat and upper respiratory tract.

Skin Contact: Contact may cause skin irritation.

Eye Contact: Contact may cause serious eye irritation.

Ingestion: May be harmful if swallowed.

Chronic Effects: No information available

Target Organs: No information available

Additional Effects: No information available

Reproductive Effects: No information available

Carcinogenicity: None identified

Toxicity Data:

N-(1-Naphthyl)ethylenediamine dihydrochloride LD50 (intraperitoneal, mouse) 150 mg/kg

12. ECOLOGICAL INFORMATION
13. DISPOSAL CONSIDERATIONS

Disposal Procedures: Dispose of material and containers in accordance with all local, state and federal regulations.

14. TRANSPORTATION INFORMATION

This product is not a regulated material for domestic ground transporation.

Environmental hazards: No information available
Special precautions: No information available
Bulk transport: No information available

15. REGULATORY INFORMATION

N-(1-Naphthyl)ethylenediamine dihydrochloride is listed in the TSCA inventory.

16. OTHER INFORMATION

OSHA SDS #: 25982 rev 101 3/27/2015

The information presented above is offered for informational purposes only. This SDS, and the associated product, is intended for use only by technically qualified persons, and at their own discretion and risk. Since conditions and manner of use are outside the control of Integra Chemical Company, we make no warranties, either expressed or implied, and assume no liability in connection with any use of this information.

***** END OF SDS *****