

MATERIAL SAFETY DATA SHEET

SECTION 1. PRODUCT IDENTIFICATION

Product Name: Ethylenediamine dihydriodide
Chemical Formula: C₂H₈N₂.2 HI
Synonym: 1,2-Diaminoethane dihydriodide
Company Identification: Lasa Supergenerics Limited
C-105, MIDC, Mahad (Dist. - Raigad).
Telephone No. - 022-49701092

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

CAS#	Chemical Name	Percent by Weight
5700-49-2	Ethylenediamine dihydriodide	100

SECTION 3. HAZARD IDENTIFICATION

Physical state: Solid. (Powder or crystal.)

Odor : Odorless.

Color : White.

Hazard status : This material is classified as not hazardous under OSHA regulations in the United States and the WHMIS in Canada.

Emergency overview: No specific hazard.

USE WITH CARE.

Follow good industrial hygiene practice.

Routes of entry: Dermal contact. Eye contact. Inhalation. Ingestion.

Potential acute health effects

Eyes: No known significant effects or critical hazards.

Skin: No known significant effects or critical hazards. **Inhalation:** No known significant effects or critical hazards.

Potential Chronic Health Effects: Carcinogenic effects: Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.

Mutagenic effects: Not available.

Teratogenic effects: Not available.

SECTION 4. FIRST AID

Eye Contact: Check for and remove any contact lenses. In case of contact with eyes, rinse immediately with plenty of water. Get medical attention if symptoms occur.

Skin Contact: Wash with soap and water. Get medical attention if symptoms occur.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. Get medical attention if symptoms appear.

Ingestion: Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if symptoms appear.

Notes to physician: No specific antidote. Medical staff must contact Poison Control Center.

SECTION 5. FIRE AND EXPLOSION

Flammability of the product: Non-flammable.

Extinguishing media

Suitable: Use an extinguishing agent suitable for the surrounding fire.

Not suitable: None known.

Special exposure hazards: No specific hazard.

Special protective equipment for fire-fighters: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Immediately contact emergency personnel. Keep unnecessary personnel away. Use suitable protective equipment.

Environmental precautions: Avoid dispersal of spilled material, runoff and contact with soil, waterways, drains and sewers.

Methods for cleaning up: If emergency personnel are unavailable, vacuum or carefully scoop up spilled material and place in an appropriate container for disposal by incineration. Avoid creating dusty conditions and prevent wind dispersal.

SECTION 7. HANDLING AND STORAGE

Handling: Wash thoroughly after handling

Storage: Keep container tightly closed. Keep container in a cool, well-ventilated area.

SECTION 8. PERSONAL PROTECTION/EXPOSURE CONTROLS

Engineering Controls:

No special ventilation requirements. Good general ventilation should be sufficient to control airborne levels. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

Personal Protection

Eyes: Safety glasses.

Skin: Lab coat.

Respiratory: A respirator is not needed under normal and intended conditions of use.

Hands: Disposable vinyl gloves.

HMIS Code/Personal protective equipment: A

Personal protection in case of a large spill: Safety glasses, goggles or face shield. Impervious gloves. Full suit. Boots. Wear NIOSH approved self-contained breathing apparatus or equivalent and full protective gear.

Hygiene measures: Wash hands, forearms and face thoroughly after handling compounds and before eating, smoking and using the lavatory and at the end of the day. Follow good industrial hygiene practice.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state and appearance: Solid.

Color: White.

Odor: Odorless

Molecular formula: C₂H₈N₂ HI₂

pH: 4 to 4.6 (Conc. (% w/w): 50) [Acidic.]

Melting/freezing point: 337°C (638.6°F)

Solubility: Easily soluble in cold water, hot water.

SECTION 10. REACTIVITY/STABILITY

Stability and reactivity: The product is stable.

Incompatibility with various substances: Reactive with oxidizing materials.

Hazardous decomposition products: These products are halogenated compounds.

Hazardous polymerization: Will not occur.

Conditions of reactivity: Not available.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Effects

Eyes : No known significant effects or critical hazards. **Skin :**

No known significant effects or critical hazards. **Inhalation :**

No known significant effects or critical hazards. **Ingestion :** No known significant effects or critical hazards.

Potential chronic health effects: Carcinogenic effects: Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.

Mutagenic effects: Not available.

Teratogenic effects: Not available.

SECTION 12. ECOLOGICAL INFORMATION

Environmental precautions : No known significant effects or critical hazards.

Products of degradation : These products are carbon oxides and water, nitrogen oxides, halogenated compounds.

Toxicity of the products of Biodegradation: The products of degradation are more toxic than the product itself.

SECTION 13. DISPOSAL

Waste Disposal: The generation of waste should be avoided or minimized wherever possible. Avoid dispersal of spilled material, runoff and contact with soil, waterways, drains and sewers.

Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional and local authority requirements.

SECTION 14. TRANSPORTATION

Regulatory information

UN/ IMDG/ IATA DOT/ TDG : Not regulated.

SECTION 15. REGULATORY INFORMATION

United States

HCS Classification Not regulated.

U.S. Federal regulations : TSCA : All components listed.

SARA 302/304/311/312 extremely hazardous substances: No products were found. SARA 302/304 emergency planning and notification: No products were found. SARA 302/304/311/312 hazardous chemicals: No products were found. SARA 311/312 MSDS distribution - chemical inventory - hazard identification: No products were found.

Clean Water Act (CWA) 307: No products were found.

Clean Water Act (CWA) 311: No products were found.

Clean Air Act (CAA) 112 accidental release prevention: No products were found. Clean

Air Act (CAA) 112 regulated flammable substances: No products were found. Clean

Air Act (CAA) 112 regulated toxic substances: No products were found.

State regulations: No products were found.

California prop. 65: No products were found.

Canada

United States

HCS Classification Not regulated.

U.S. Federal regulations : TSCA : All components listed.

WHMIS (Canada): Not regulated.

DSL : All components listed.

This product has been classified in accordance with the hazard criteria of the Canadian CPR and the United States

OSHA. This MSDS contains all the information required by the CPR and OSHA, the American National Standard Institute (ANSI) Z400.1.

International lists: This product, (and its ingredients) is (are) listed on national inventories, or is (are) exempted from being listed, in Australia (AICS), in Europe (EINECS/ELINCS), in Korea (TCCL), in Japan (METI), in the Philippines (RA6969).

SECTION 16 - ADDITIONAL INFORMATION

This document is intended only as a guide to the appropriate precautionary handling of material by a person trained in chemical handling. The user is responsible for determine the precautions & dangers of this chemical for his or her particular application depending on usage. Adequate protective clothing, including eye / face guards, approved respirators must be used to avoid contact with the material or breathing chemical vapors / fumes. Exposure to this product may cause adverse health effects.

This chemical may interact with other substances. Since the potential uses are so varied, M/s. **Lasa Supergenerics Limited** cannot warn of all of the potential dangers of use or interaction with chemicals of materials. M/s. **Lasa Supergenerics Limited** warrants that, the chemical meets the specifications set forth on the test report.

M/s. **Lasa Supergenerics Limited** Disclaims any other warranties expressed or implied with regard to the product supplied hereunder its merchantability or its fitness for a particular purpose. The user should recognize that, this product can cause severe injury, especially if improperly handled or the known dangers of use are not heeded.

READ ALL PRECAUTIONARY INFORMATIONS.

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