

## Safety Data Sheet (SDS)

# ETHYLENEDIAMINE DIHYDRIODIDE (EDDI)

<b>1. Identification of the Substance</b>	<b>PRODUCT NAME:</b> Ethylenediamine Dihydriodide (EDDI) <b>SYNONYM:</b> Ethylenediamine 1,2-Ethanediamine Dihydriodide <b>DISTRIBUTOR:</b> EcoFusion Inc., PO Box 251408. Plano, TX 75025 – 1408 (USA) <b>TEL:</b> +1 972 403 7449 <b>FAX:</b> +1 214 291 5348 <b>EMERGENCY:</b> CHEMTREC 800 424 9300
<b>2. Hazards Identification</b>	<b>POTENTIAL HEALTH EFFECTS</b> ALLERGIC <b>EYE:</b> irritating to eyes. <b>SKIN:</b> Skin contact may cause an allergic response. Contact with moist skin may result in minor burns. Can cause irritation. <b>INHALATION:</b> Irritating to respiratory tract and headache. May cause sinus irritation. Irritation to minor membranes. <b>INGESTION:</b> In large quantities, can provoke gastrointesti- nal disorders and excessive fatigue. Some individuals are susceptible to an allergic response following exposure to Iodides.
<b>3. Composition / Information on Ingredients</b>	<b>CHEMICAL FORMULA:</b> C <sub>2</sub> H <sub>6</sub> N <sub>2</sub> - 2 HI <b>MOLECULAR WEIGHT:</b> 315.91 <b>CAS NUMBER:</b> 5700-49-2 <b>EC NUMBER:</b> 227-186-8
<b>4. First Aid Measures</b>	<b>SKIN:</b> Wash thoroughly with soap and plenty of water, while removing contaminated clothing & shoes. <b>EYES:</b> Flush eyes with plenty of water for at least 15 minutes occasionally lifting lower & upper eye lids. <b>INGESTION:</b> If swallowed, washout mouth with plenty of water and allow him to drink 2-4 cupfuls of water provided victim is conscious. <b>INHALATION:</b> Remove to fresh air immediately. If breathing is difficult, give oxygen. Do not use mouth to mouth resuscitation if person has inhaled the substance. Induce artificial respiration with the aid of approved medical device.
<b>5. Fire Fighting Measures</b>	<b>GENERAL INFORMATION:</b> As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated <b>EXTINGUISHING MEDIA:</b> Carbon Dioxide, Dry Chemical Powder, Water spray, or as appropriate to sorrounding fire conditions. Product is Non-Inflammable
<b>6. Accidental Release Measures</b>	<b>SPILL:</b> Vacuum or sweep up material and place into a suitable disposal container. Clean up spills immediately, observing precautions in the Protective Equipment section. Avoid generating dusty conditions. Provide ventilation. Place under an inert atmosphere. Do not get water inside containers. <b>GENERAL INFORMATION:</b> Use proper personal protective equipment as indicated in Section8.
<b>7. Handling and Storage</b>	<b>HANDLING:</b> use only in a well ventilated area. Avoid Dust generation. <b>STORAGE:</b> Keep tightly closed and store in a coll dry place below 100 Deg F. chemical is hygroscopic and light sensitive. Keep away

	from heat, spark, open flame or other incompatible materials.
<b>8. Exposure Controls / Personal protection</b>	<b>ENGINEERING CONTROLS:</b> Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit. <b>PERSONAL PROTECTIVE EQUIPMENT:</b> Splash goggles. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.
<b>9. Physical and Chemical properties</b>	<b>PHYSICAL STATE:</b> White to Light yellow Solid <b>ODOUR:</b> Odorless <b>pH:</b> 4 – 6 of 5% aqueous solution <b>BOILING POINT:</b> 336 Deg C <b>MOLECULAR WEIGHT:</b> 313.91 <b>SOLUBILITY:</b> Easily soluble
<b>10. Stability and Reactivity</b>	<b>STABILITY:</b> Stable under normal temperature and pressure conditions. <b>CONDITIONS TO AVOID:</b> Humidity, Metallic Salts, Oxidizing agents, open flame, light, source of ignition. <b>HAZARDOUS DECOMPOSITION PRODUCTS:</b> Liberates Iodine, Carbon Dioxide and Nitrogen Oxide
<b>11. Toxicological Information</b>	NA
<b>12. Ecological Information</b>	NA
<b>13. Disposal Considerations</b>	Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an after burner and scrubber.
<b>14. Transport Information</b>	Not classified as dangerous in transport regulations.
<b>15. Regulatory Information</b>	Not listed as dangerous goods. Please pay attention to any applicable national regulations as to the hazards and safety information of this product.
<b>16. Other Information</b>	N/A

*THE INFORMATION IN THIS MSDS RELATES TO THIS SPECIFIC MATERIAL. IT MAY NOT BE VALID FOR THIS MATERIAL IF USED IN COMBINATION WITH ANY OTHER MATERIALS OR IN ANY PROCESS. IT IS THE USERS' RESPONSIBILITY TO SATISFY THEMSELVES AS TO THE SUITABILITY AND COMPLETENESS OF THIS INFORMATION FOR THEIR OWN PARTICULAR USE.*

All non-emergency questions should be  
 Directed to Customer Service at

**24 hour emergency Telephone: Chemtrec 800-424-9300**  
**National response in Canada: Canutec 613-996-6666**  
**Outside US & Canada: Chemtrec: 202-483-7616**

Note: Chemtrec and Canutec emergency numbers to be used only in the event of chemical emergencies involving a spill, leak, exposure or accident involving chemicals.