

Prairie Micro Tech Inc.



Safety Data Sheet

Ethylenediamine Dihydriodide (EDDI)

SECTION 1: IDENTIFICATION

Product Identifier:	Ethylenediamine Dihydriodide
Other Means of Identification:	E.D.D.I. or E.D.D.I. Stabilized
Recommended Use:	Feed supplement
Restrictions on Use:	No applicable information available
Initial Supplier Identifier:	Prairie Micro Tech Inc., 2641 Albert St. N., Regina SK, Canada 306-721-6066 www.pmtgroup.com
Emergency Telephone Number:	CANUTEC (24 Hrs) 613-996-6666

SECTION 2. HAZARD IDENTIFICATION

Classification: Acute Toxicity (Category 4), Skin Irritation (Category 2), Eye Irritation (Category 2A), Specific Target Organ Toxicity – single exposure (Category 4)

Label Elements:



Signal word: **Warning**

Hazard Statements: H302 – Harmful if swallowed
H315 – Causes skin irritation
H319 – Causes serious eye irritation
H335 – May cause respiratory irritation

Precautionary and Storage Statements: Avoid breathing dust/fume/gas/mist/vapours/spray. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Store in a cool, dry place, protect from heat, light and moisture. Use adequate ventilation.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Concentration	Common name / Synonyms	Other identifiers
Manganese Sulfate Monohydrate	5700-49-2	<=100%		

SECTION 4. FIRST-AID MEASURES

Inhalation:	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Seek medical attention.
Skin Contact:	Wash off with soap and plenty of water, if irritation persists, seek medical attention.
Eye Contact:	Immediately flush eyes with water at least 15 minutes. Remove contacts if present (if can do so), flush for another 10 minutes. If irritation persists, seek medical attention.
Ingestion:	Rinse mouth with water and drink large quantities of water. If irritation persists, seek medical attention.
Most Important Symptoms and Effects, Acute and Delayed:	Inhalation of dust can cause irritation of mucous membranes of the respiratory tract, with symptoms that include coughing and breathing difficulties. Dust of these substances can cause eye irritation. Ingestion may cause nausea, vomiting, and inflammation of the gastrointestinal system. If persistent irritation to the skin or eyes or in the event of exposure or suspected exposure is observed in some later symptom to contact with the product, seek immediate medical assistance.
Immediate Medical Attention and Special Treatment:	Get immediate medical attention if any discomfort continues and if possible take a copy of this document and product label.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media:	This item is not flammable or combustible. Water, carbon dioxide or foam
Extinguishing Media unsuitable:	Not available.
Specific hazards:	May produce iodine fumes
Special Protective Equipment and Precautions for Fire-Fighters:	Self contained breathing apparatus and full protective clothing must be worn in case of fire. Avoid inhalation and contact with skin.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Avoid Inhalation and contact with skin, eyes and clothing.
Protective Equipment:	Provide adequate ventilation. Use protective gloves, goggles and suitable protective clothing.
Emergency Procedures:	Get in open air and wash thoroughly if product is in contact with eyes or skin.
Environmental Precautions:	Do not let product enter drains.
Methods for Containment and Cleaning Up:	Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling:	Chemical resistant gloves must be worn as well as safety glasses or goggles must be worn. Use adequate ventilation. Wash hands thoroughly immediately before and after use.
Conditions for Safe Storage:	Store in a tightly closed container in a cool, dry and well ventilated place. Protect from heat, light and moisture.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters:	Keep containers closed and properly identified. Keep the product in the original container.
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Chemical Name	ACGIH® TLV®		OSHA PEL	
	TWA	STEL	TWA	STEL
	N/A	N/A	N/A	N/A

Appropriate Engineering Controls:	Use adequate ventilation from mechanical source to control airborne dust exposure.
Individual Protection Measures	Wear a NIOSH/MSHA-approved respirator with a HEPA cartridge or equivalent.
Eye/Face Protection:	Wear safety glasses with side shield or goggles.
Skin Protection:	Wear chemical resistant gloves based on nitrile, neoprene or rubber construction. Dispose of contaminated gloves in accordance with applicable laws and good laboratory practices. Wash and dry hands.
Respiratory Protection:	If ventilation is insufficient, suitable respiratory protection must be provided.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	White Solid
Odour:	Distinct
Odour Threshold:	Not available
PH dilution 10% w/w:	Not available
Melting Point and Freezing Point:	Not available
Initial Boiling Point and Boiling Range:	Not available
Flash Point:	Not available
Evaporation Rate:	Not available
Flammability (solid, gas)	
Upper and Lower:	Not available
Flammability or Explosive Limit:	Not available
Vapour Pressure:	Not available
Vapour Density (air = 1):	Not available
Relative Density (water = 1):	Not available
Solubility in Water:	Partially Soluble in water
Solubility in Other Liquids:	Not available
Partition Coefficient, n-Octanol / Water (Log Kow):	Not available
Auto-ignition: Temperature	Not Available
Decomposition: Temperature	850°C (1562°F)
Viscosity:	Not available

SECTION 10. STABILITY AND REACTIVITY

Reactivity:	Not Stable, will release iodine after exposure to high humidity
Chemical Stability:	Product is stable under normal temperature conditions and recommended use.
Possibility of Hazardous Reactions:	Not available
Conditions to Avoid:	Metallic salts, alkalis, acids, oxidizers, and high humidity
Incompatible Materials:	Metallic salts, alkalis, acids, oxidizers, and high humidity
Hazardous Decomposition Products:	Emits toxic fumes after exposure to high humidity.

SECTION 11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure

X Inhalation X Skin contact X Eye contact X Ingestion

Acute Toxicity: May be harmful if inhaled or swallowed.

LC50: Not Available

LD50 (oral): No data available

LD50 (dermal): No data available

Skin Corrosion / Irritation: Skin may become irritated and demonstrate redness, pain, dryness or itching.

Serious Eye Damage / Irritation: May cause eye irritation as evidenced by pain, redness and tearing of eyes.

STOT (Specific Target Organ Toxicity) – Single Exposure: Inhalation – May cause respiratory irritation

Aspiration Hazard: No data available

STOT (Specific Target Organ Toxicity) - Repeated Exposure: No data available

Respiratory and/or Skin Sensitization: May cause respiratory tract irritation, may cause skin irritation.

Carcinogenicity: Not listed by IARC, ACGIH, NIOSHI, NTP, or OSHA as a carcinogen.

Chemical Name	IARC	ACGIH®	OSHA

Reproductive Toxicity

Development of Offspring: Not available

Sexual Function and Fertility:

Effects on or via Lactation: Not available

Germ Cell Mutagenicity: Not available

Interactive Effects: Not available

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity: No data available

Persistence and Degradability: No data available.

Bioaccumulative Potential: No data available

Mobility in Soil: No data available

Other Adverse Effects: None

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods: Offer surplus and non –recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

SECTION 14. TRANSPORT INFORMATION

Regulation	UN No.	Proper Shipping Name	Technical Name (for N.O.S. entry)	Transport Hazard Class(es)	Packing Group
IMDG	Not dangerous goods.				
IATA	Not dangerous goods.				
DOT(Not Regulated)	Not dangerous goods.				
Risk Label					

Special Precautions: .

**Environmental
Hazards:**

**Transport in Bulk
According to Annex II
of MARPOL 73/78 and
the IBC Code:**

Not Available.

SECTION 15. REGULATORY INFORMATION

**Safety, Health and
Environmental
Regulations:**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

SECTION 16. OTHER INFORMATION

**Date of Latest
Revision:**

November 30, 2018

