

Material Safety Data Sheet (MSDS)

Mn EDTA

Section 1 - Chemical Product and Company Identification

Product Name: Mn EDTA
Chemical Formula: $C_{10}H_{12}N_2O_8MnNa_2$
Synonyms: Ethylenediaminetetraacetic acid, manganese disodium complex
CAS#: 15375-84-5

Company Identification

HMio Technology Co, Ltd.
2F, Tower 1, No.33 Jitai Rd., High-Tech District, Chengdu, Sichuan, China.
Tel/Fax: 86-28-6232 0807

For information & emergencies, call: 86-28-6232 0807

Section 2 - Composition, Information on Ingredients

CAS#	Name	Percent
15375-84-5	EDTA MN	98%
	Water and other matters	2%

Section 3 - Hazards Identification

Not classified as hazardous conform EEC Dangerous Substance Directive and Dangerous Preparation Directive.

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Section 4 - First Aid Measures

Symptoms and effects: No typical symptoms and effects known.

Eyes: In case of contact with eyes, hold eyelids apart and flush eyes with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Do not let victim rub eyes. Do not attempt to neutralize with chemical agents. Get medical aid if irritation occurs.

Skin: Immediately wash skin with soap and plenty of water. Wash clothing before reuse and discard footwear which cannot be cleaned. Get medical attention if irritation develops.

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Inhalation:	Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.
Ingestion:	If swallowed, wash out mouth with water provided person is conscious. Never give anything by mouth to an unconscious person. Get medical aid. Do NOT induce vomiting unless directed to do so by medical personnel.

Section 5 - Fire Fighting Measures

Extinguisher Media:	water, foam, carbon dioxide, dry chemical powder.
Unusual Fire and Explosion Hazards:	In case of fire or explosion, do not breathe fumes.
Hazardous Combustion Products:	Nitroxides may be produced.

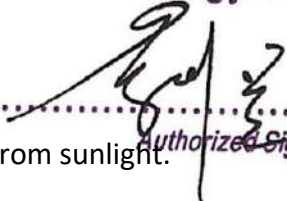
Section 6 - Accidental Release Measures

Sweep spilled product and collect for reuse. Wash residue away. Do not contaminate drain. Soak up wash water with sand or absorbent material. Sweep up and dispose.

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Section 7 - Handling and Storage

Keep container well closed and store in a dry, well ventilated place away from sunlight. Avoid extremes of temperatures.

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Section 8 - Exposure Controls, Personal Protection

Engineering controls	No specific recommendations.
Exposure limits	No exposure limits have been established for this material.
Personal protection	
Respiratory	In case of dust formation use dust mask.
Hand	Wear suitable gloves.
Eye	Wear eye/face protection.
Skin and body	The usual precautions for handling chemicals should be observed.

Section 9 - Physical and Chemical Properties

Physical State:	powder/micro granule
Appearance:	off white
Odor:	odorless
pH:	5.5-7.5
Vapor Pressure:	N/A
Vapor Density:	N/A

Evaporation Rate:	N/A
Freezing Point:	N/A
Melting Point:	breaks down without melting
Solubility:	250g/l (20 Deg. C).
Specific Gravity/Density:	N/A
Molecular Formula:	$C_{10}H_{12}N_2O_8MnNa_2$
Molecular Weight:	389.1

Section 10 - Stability and Reactivity

Stable under recommended storage and handling conditions.

Chemical Stability: Stable

Conditions to Avoid: None

Hazardous Decomposition Products: Nitroxides may be produced.

Polymerization Conditions to Avoid: None

Section 11 - Toxicological Information

Acute toxicity oral (LD50): Rat - 2000 mg/kg

Section 12 - Ecological Information

No experimental ecological data are available for product.

Section 13 - Disposal Considerations

Waste Disposal Method: Dispose in accordance with local, state and federal regulations.

Section 14 - Transport Information

LAND TRANSPORT (US DOT)

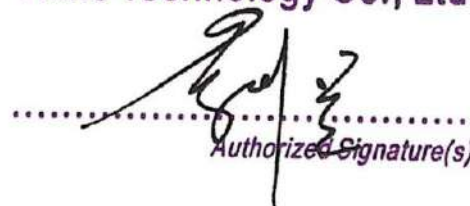
DOT Proper Shipping Name: No data available.

Additional Transport Information: Transport in accordance with local, state, and federal regulations.

Section 15 - Regulatory Information

Product Name: Ethylenediaminetetraacetic acid manganese disodium salt

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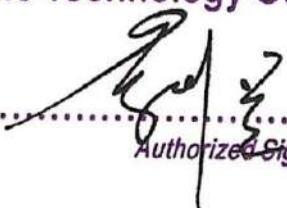
Section 16 - Additional Information

MSDS Creation Date: 01/AUG/2018

Revision #2 Date: 26/AUG/2019

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