



## MATERIAL SAFETY DATA SHEET

PRODUCT NAME: E.D.T.A DISODIUM MAGNESIUM SALT

CAS Number: 14402-88-1

**1. IDENTIFICATION:**

**Product Code** : 93297

**Company Name** : ADVENT CHEMBIO PRIVATE LIMITED

**Address** : W-279, MIDC, TTC INDUSTRIAL AREA, THANE-BELAPUR ROAD, RABALE,  
NAVI MUMBAI - 400 701.

**E-mail** : [sales@adventchembio.com](mailto:sales@adventchembio.com)

**WEBSITE** : [www.adventchembio.com](http://www.adventchembio.com)

**Company Phone Number** : 022-27690837

**2. HAZARDS IDENTIFICATION:****Hazard classification**

**Physical hazards** : Not a hazardous substance or mixture

**Health hazards** : Not a hazardous substance or mixture

**Labels elements** :

**Hazard symbol** : Not a hazardous substance or mixture

**Signal word** : Not a hazardous substance or mixture

**Hazard statement** : Not a hazardous substance or mixture

**Precautionary statement**

**Prevention** : Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
Wear protective gloves/ protective clothing/ eye protection/ face protection.  
Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking.

**Response** : IF ON SKIN (or hair): Rinse skin with water/ shower.  
IF IN EYES: Rinse water for several minutes. Remove contact lenses, if present and easy to do.

**Storage** : Store in a dry & well-ventilated place. Keep container tightly closed. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

**Disposal** : Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

**Other hazards which do not result in GHS classification** : This substance/mixture contains no components considered to be either persistent, bio accumulative and toxic (PBT), or very persistent and very bio accumulative (vPvB) at levels of 0.1% or higher

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CAS Number: 14402-88-1

**3. COMPOSITION/ INFORMATION ON INGRADIENTS:**

Ingredient	CAS Number	Percent	Hazardous
E.D.T.A Disodium Magnesium Salt	14402-88-1	NLT 98.0%	No

**4. FIRST AID MEASURES:**

- General information** : Show this safety data sheet to the doctor in attendance.
- Ingestion** : Rinse mouth.
- Inhalation** : Move to fresh air.  
: Get medical attention if symptoms persist.
- Skin contact** : Flush with of water.
- Eye contact** : Flush with of water.
- Most important symptoms/effects, acute and delayed** : Not a hazardous substance or mixture
- Indication of immediate medical attention and special treatment needed** : Not a hazardous substance or mixture

**5. FIRE FIGHTING MEASURES:**

**General information**

**Suitable (and unsuitable) extinguishing media**

- Suitable extinguishing media** : Water spray, foam, dry powder or carbon dioxide.
- Unsuitable extinguishing media** : For this substance/mixture no limitations of extinguishing agents are given.
- Specific hazards arising from the chemical** : Carbon oxides, Nitrogen oxides (NOx), Sodium oxides, Magnesium oxide Combustible.  
: Development of hazardous combustion gases or vapors possible in the event of fire
- Special protective equipment and precautions for firefighters**
- Special firefighting procedures** : Use water spray to keep fire-exposed containers cool. Water may be ineffective in fighting the fire. Fight fire from a protected location. Move containers from fire area if you can do so without risk.
- Special protective equipment for fire-fighters** : Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

**6. ACCIDENTAL RELEASE MEASURES:**

- Personal precautions, protective equipment and emergency procedures** : ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).  
: Avoid breathing mists or vapors. Keep upwind. Ventilate closed spaces before entering them. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep unauthorized personnel away.

## MATERIAL SAFETY DATA SHEET

Version :01

PRODUCT NAME: E.D.T.A DISODIUM MAGNESIUM SALT

CAS Number: 14402-88-1

<b>Methods and material for containment and cleaning up</b>	:	Eliminate all ignition sources if safe to do so. Use only non-sparking tools. Take precautionary measures against static discharges. Stop leak if possible without any risk. Absorb spill with vermiculite or other inert material, then place in a container for chemical waste. Clean surface thoroughly to remove residual contamination. Dike far ahead of larger spill for later recovery and disposal.
<b>Notification Procedures</b>	:	Prevent entry into waterways, sewer, basements or confined areas. Inform authorities if large amounts are involved.
<b>Environmental precautions</b>	:	Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

**7. HANDLING AND STORAGE:**

<b>Precautions for safe handling</b>	:	Do not handle until all safety precautions have been read and understood. DO NOT handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Take precautionary measures against static discharges. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Wear protective gloves/protective clothing/eye protection/ face protection. Avoid contact with eyes, skin, and clothing. Do not breathe mist or vapor. Use only with adequate ventilation. Wash hands thoroughly after handling.
<b>Conditions for safe storage, including any incompatibilities</b>	:	Keep away from food, drink and animal feeding stuffs. Keep container tightly closed in a dry, well-ventilated place.

**8. EXPOSURE CONTROLS PERSONAL PROTECTION:****Control parameters**

<b>Appropriate engineering controls</b>	:	No data available
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**Individual protection measures, such as personal protective equipment**

<b>General information</b>	:	Not a hazardous substance or mixture.
<b>Eye/face protection</b>	:	Wear safety glasses with side shields (or goggles).
<b>Hand protection</b>	:	Chemical resistant gloves.
<b>Other</b>	:	Wear suitable protective clothing.
<b>Respiratory protection</b>	:	In case of inadequate ventilation use suitable respirator.

<b>Hygiene measures</b>	:	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Provide eyewash station and safety shower. Avoid contact with eyes, skin, and clothing.
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## MATERIAL SAFETY DATA SHEET

Version :01

PRODUCT NAME: E.D.T.A DISODIUM MAGNESIUM SALT

CAS Number: 14402-88-1

**9. PHYSICAL AND CHEMICAL PROPERTIES:**

<b>Appearance</b>	: White crystalline powder.
<b>Odor</b>	: No data available
<b>Solubility</b>	: No data available
<b>Formula</b>	: $C_{10}H_{12}MgN_2Na_2O_8 \cdot xH_2O$
<b>Molecular Weight</b>	: 358.5 g/mol
<b>Specific Gravity</b>	: No data available
<b>pH</b>	: 6.0 - 8.0
<b>% Volatiles by volume @ 21C (70F)</b>	: No data available
<b>Boiling Point</b>	: No data available
<b>Melting Point</b>	: No data available
<b>Flash Point</b>	: No data available
<b>Vapor Density (Air=1)</b>	: No data available
<b>Vapor Pressure (mm Hg)</b>	: No data available
<b>Evaporation Rate (BuAc=1)</b>	: No data available

**10. STABILITY AND REACTIVITY:**

<b>Reactivity</b>	: The following applies in general to flammable organic substances and mixtures: in correspondingly fine distribution, when whirled up a dust explosion potential may generally be assumed.
<b>Chemical stability</b>	: Material is stable under ambient conditions..
<b>Possibility of hazardous reactions</b>	: Violent reactions possible with: Strong oxidizing agents
<b>Conditions to avoid</b>	: Sunlight.
<b>Incompatible materials</b>	: No data available
<b>Hazardous decomposition products</b>	: In the event of fire: see section 5

**11. TOXICOLOGICAL INFORMATION:****Information on likely routes of exposure**

<b>Ingestion</b>	: No data available
<b>Inhalation</b>	: No data available
<b>Skin contact</b>	: No data available

## MATERIAL SAFETY DATA SHEET

Version :01

**PRODUCT NAME: E.D.T.A DISODIUM MAGNESIUM SALT**

CAS Number: 14402-88-1

**Eye contact** : No data available**Information on toxicological effects****Acute toxicity (list all possible routes of exposure)****Oral Product** : No data available**Dermal Product** : No data available**Inhalation Product** : No data available.**Repeated dose toxicity Product** : No data available.**Skin corrosion/irritation Product** : No data available.**Serious eye damage/eye irritation Product** : No data available.**Respiratory or skin sensitization Product** : No data available.**Carcinogenicity Product** : No data available.**IARC Monographs on the Evaluation of Carcinogenic Risks to Humans** : No data available.**US. National Toxicology Program (NTP) Report on Carcinogens** : No data available.**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050 Germ cell mutagenicity** : No data available.**In vitro Product** : No data available.**Reproductive toxicity Product** : No data available.**Specific target organ toxicity - single exposure Product** : No data available.**Specific target organ toxicity - repeated exposure Product** : No data available.**Aspiration hazard Product** : No data available.**Other effects** : No data available.

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**12. ECOLOGICAL INFORMATION:**

**Ecotoxicity**

**Acute hazards to the aquatic environment**

**Fish Product** : No data available

**Aquatic invertebrates Product** : No data available

**Chronic hazards to the aquatic environment**

**Fish Product** : No data available.

**Aquatic invertebrates Product** : No data available.

**Toxicity to Aquatic Plants Product:** : No data available.

**Persistence and degradability**

**Biodegradation Product** : No data available

**BOD/COD ratio Product** : No data available.

**Bioaccumulative potential**

**Bioconcentration factor (BCF) Product** : No data available on bioaccumulation.

**Partition coefficient n-octanol / water (log Kow) Product** : No data available.

**Mobility in soil** : No data available.

**Other adverse effects** : No data available.

**13. DISPOSAL CONSIDERATION:**

**Disposal instructions** : Discharge, treatment, or disposal may be subject to national, state, or local laws. Disposal recommendations are based on uncontaminated material.

**Contaminated packaging** : Since emptied containers retain product residue, follow label warnings even after container is emptied.

**14. TRANSPORT INFORMATION:**

	UN No.	UN proper shipping name	Hazard Class(es)	Packaging group	Marine Pollutant
<b>DOT</b>		E.D.T.A Disodium Magnesium Salt		Not dangerous goods	
<b>IMDG</b>		E.D.T.A Disodium Magnesium Salt		Not dangerous goods	
<b>IATA</b>		E.D.T.A Disodium Magnesium Salt		Not dangerous goods	

## MATERIAL SAFETY DATA SHEET

Version :01

PRODUCT NAME: E.D.T.A DISODIUM MAGNESIUM SALT

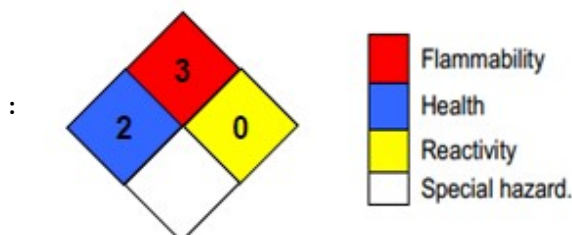
CAS Number: 14402-88-1

**15. REGULATORY INFORMATION:**

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.  
Safety, health and environmental regulations/legislation specific for the substance or mixture  
No Data Available.

**16. OTHER INFORMATION:**

NFPA Hazard ID



Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe

Issue Date : 04/08/2023

Version : 01

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