

**MATERIAL SAFETY DATA SHEET****Product Name:** E.D.T.A disodium salt dihydrate**CAS No.:** 6381-92-6**Version:** 0**1. Identification**

**Product Code** : 90159, 90403  
**Company Name** : Advent Chembio Private Limited  
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**2. Composition/Information on Ingredients**

<b>Ingredient</b>	<b>CAS No</b>	<b>Percent</b>
E.D.T.A. DISODIUM SALT DIHYDRATE	6381-92-6	100%

**3. Hazards Identification****Hazard classification****Health hazards**

Skin corrosion/irritation : Category 2  
Serious eye damage/eye irritation : Category 2  
Specific target organ toxicity - single exposure : Category 3

**Labels elements****Hazard symbol**

**Signal word** : Warning.  
**Hazard statement** : Causes serious eye irritation.  
Causes skin irritation.  
May cause respiratory irritation.

**Precautionary statement****Prevention**

: Avoid breathing dust/fume/gas/mist/vapors/spray. Wear protective gloves/eye protection/face protection. Use only outdoors or in a well-ventilated area. Wash hands thoroughly after handling.

**Response**

: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. IF ON SKIN: Wash with plenty of water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention. IF INHALED: Remove victim to fresh air and keep at rest in a

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- position comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.
- Storage:** : Store in a well-ventilated place. Keep container tightly closed. Store locked up.
- 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** : None.

**4. First Aid Measures**

- General information** : Get medical advice/attention if you feel unwell. If medical advice is needed, have product container or label at hand. Show this safety data sheet to the doctor in attendance.
- Ingestion** : Rinse mouth. Call a POISON CENTER or doctor/physician if you feel unwell.
- Inhalation** : Move to fresh air. Get medical attention if symptoms persist.
- Skin contact** : Wash skin thoroughly with soap and water. Get medical attention if symptoms occur. Wash contaminated clothing before reuse.
- Eye contact** : Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. If eye irritation persists: Get medical advice/attention.
- Most important symptoms/effects, acute and delayed** : May cause irritation to skin, eyes, and respiratory tract.
- Indication of immediate medical attention and special treatment needed** : Treat symptomatically. Symptoms may be delayed.

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**7. Handling and Storage**

- Precautions for safe handling** : Avoid generation and spreading of dust. Dust may form explosive mixture with air. DO NOT handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Use non-sparking hand tools and explosion-proof electrical equipment. Ground container and transfer equipment to eliminate static electric sparks. Avoid breathing dust or vapor. Avoid contact with eyes, skin, and clothing. Use only with adequate ventilation. Wash hands thoroughly after handling.
- Conditions for safe storage, including any incompatibilities** : Keep container tightly closed. Store in a well-ventilated place.

**8. Exposure Controls Personal Protection****Control parameters**

**Occupational exposure limits** : None of the components have assigned exposure limits.

**Appropriate engineering controls** : No data available.

**Individual protection measures, such as personal protective equipment**

**General information** : Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

**Eye/face protection** : Wear safety glasses with side shields (or goggles).

**Hand protection** : Chemical resistant gloves.

**Other** : Wear suitable protective clothing and gloves.

**Respiratory protection** : In case of inadequate ventilation, use respiratory protection.

**Hygiene measures** : Provide eyewash station and safety shower. 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.

**9. Physical and Chemical Properties**

**Appearance** : White Solid Crystalline Powder.

**Odor** : Odorless

**pH** : No data available.

**Melting point/freezing point** : 252 °C

**Initial boiling point and boiling range** : No data available.

**Flash Point** : No data available

**Vapor pressure** : No data available.

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**Vapor density** : No data available  
**Relative density** : No data available.  
**Solubility in water** : Soluble  
**Solubility (other)** : No data available.  
**Formula** :  $C_{10}H_{16}N_2O_8 \cdot 2H_2O \cdot 2Na$   
**Molecular Weight** : 372.24 g/mol

**10. Stability and Reactivity**

**Reactivity** : No dangerous reaction known under conditions of normal use.  
**Chemical stability** : Stable; however, may decompose if heated.  
**Possibility of hazardous reactions** : The substance is hygroscopic and will absorb water by contact with the moisture in the air. Hazardous polymerization does not occur.  
**Conditions to avoid** : Avoid dust formation. Excessive heat.  
**Incompatible materials** : Strong oxidizing agents.  
**Hazardous decomposition products** : Thermal decomposition may produce oxides of carbon and nitrogen. Sodium oxides.

**11. Toxicological Information****Information on likely routes of exposure**

**Ingestion** : May be harmful if swallowed. May cause irritation of the gastrointestinal tract.  
**Inhalation** : May cause irritation to the respiratory system.  
**Skin contact** : Causes mild skin irritation.  
**Eye contact** : Causes serious eye irritation.

**Information on toxicological effects****Acute toxicity (list all possible routes of exposure)**

**Oral Product** : LD 50 (Rat): > 2,000 mg/kg  
**Dermal Product** : No data available.  
**Inhalation Product** : No data available  
**Repeated dose toxicity Product** : No data available.  
**Skin corrosion/irritation Product** : Causes mild skin irritation.  
**Serious eye damage/eye irritation Product** : Causes serious eye irritation.  
**Respiratory or skin sensitization Product** : Not a skin sensitizer.  
**Carcinogenicity Product** : This substance has no evidence of carcinogenic properties.  
**IARC Monographs on the Evaluation of Carcinogenic Risks to Humans DIOXANE** : No carcinogenic components identified.

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<b>US. National Toxicology Program (NTP) Report on Carcinogens DIOXANE</b>	:	No carcinogenic components identified.
<b>US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)</b>	:	No carcinogenic components identified.
<b>Germ cell mutagenicity</b>	:	
<b>In vitro Product</b>	:	No mutagenic components identified.
<b>In vivo Product</b>	:	No mutagenic components identified.
<b>Reproductive toxicity Product</b>	:	No components toxic to reproduction.
<b>Specific target organ toxicity - single exposure Product</b>	:	Respiratory tract irritation.
<b>Specific target organ toxicity - repeated exposure Product</b>	:	None known
<b>Aspiration hazard Product</b>	:	Not classified
<b>Other effects</b>	:	None known.

**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** : There are no data on the degradability of this product.**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** : The product is water soluble and may spread in water systems.**Other adverse effects** : The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

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### 13. Disposal consideration

- Disposal instructions** : Discharge, treatment, or disposal may be subject to national, state, or local laws.
- 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>			Not regulated.		
<b>IMDG</b>			Not regulated.		
<b>IATA</b>			Not regulated.		

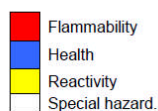
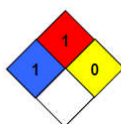
### 15. Regulatory Information

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

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