


<b>Material Safety Data Sheet</b>	
<b>ETHYLENE DIAMINE TETRA ACETIC ACID DIPOTASSIUM SALT</b>	<b>VERSION :</b> 03 <b>DATE OF ISSUE :</b> 31-01-2022 <b>SUPERSEDES :</b> 02
<b>Product Code :</b> 14350	<b>Page 1 of 7</b>

## **1. Identification of the substance/mixture and of the company/undertaking**

### **1.1. Product identifier**

**Trade name** : ETHYLENE DIAMINE TETRA ACETIC ACID  
DIPOTASSIUM SALT

**Product code** : 14350

**Identification of the product** : ETHYLENE DIAMINE TETRA ACETIC ACID  
DIPOTASSIUM SALT

**CAS No** : 25102-12-9

### **1.2. Relevant identified uses of the substance or mixture and uses advised against**

**Identified uses** : Laboratory chemicals, Manufacture of substances

### **1.3. Details of the supplier of the safety data sheet**

**Company identification** : MOLYCHEM  
Office: 78/80 Babu Genu Road, Souri Bldg., 2nd Floor,  
Mumbai – 400 002 (INDIA)  
Tel: +91 22 4066 8111, 2205 7772 . Fax: + 91 22 2203 4442.  
Email : [info@molychem.net](mailto:info@molychem.net)  
Works: Plot No. B/9, Badlapur M.I.D.C., OPP. Shobhavat  
Textile Co., Kulgaon, Badlapur (E), Dist.-Thane-421 503.

### **1.4. Emergency telephone number**

**Emergency number** : +91 22 4066 8111 (10:00am - 6:00 pm)

## **2. Hazards identification –DSD**

### **2.1. Classification of the substance or mixture**

Classification according to Regulation (EC) No 1272/2008 Acute toxicity, Inhalation (Category 4), H332

### **2.2. Label elements**

**Labelling EC 67/548 or EC 1999/45**

**Symbol(s)** : Xi : Irritant



**R Phrase(s)** : R36 : Irritating to eyes.  
R37 : Irritating to respiratory system.  
R38 : Irritating to skin.

**S Phrase(s)** : S26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36 : Wear suitable protective clothing.

**Labelling Regulation EC 1272/2008 (CLP)**

**Hazard pictograms**

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**Signal words** : Warning

Hazard statement(s)

H332 Harmful if inhaled.

Precautionary statement(s)

P261 Avoid breathing dust.

P271 Use only outdoors or in a well-ventilated area.

P304 + P340 + P312 IF INHALED : Remove person to fresh air and keep comfortable for breathing.  
Call a POISON CENTER/ doctor if you feel unwell.

Supplemental Hazard Statements none

**2.3. Other hazards :** This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

## **3.Composition/information on ingredients**

### **3.1 Substances**

Synonyms : ETHYLENE DIAMINE TETRA ACETIC ACID  
DIPOTASSIUM SALT

Formula :  $C_{10}H_{14}K_2N_2O_8 \cdot 2H_2O$

Molecular weight : 404.45 g/mol

CAS-No. : 25102-12-9

## **4. First aid measures**

### **4.1. Description of first aid measures**

#### **If inhaled**

After inhalation: fresh air. If breathing stops: mouth-to-mouth breathing or artificial respiration.  
Oxygen if necessary.

#### **In case of skin contact**

In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower.

#### **In case of eye contact**

After eye contact: rinse out with plenty of water. Remove contact lenses.

#### **If swallowed**


After swallowing: make victim drink water (two glasses at most). Consult doctor if feeling unwell.

### **4.2. Most important symptoms and effects, both acute and delayed**

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

### **4.3. Indication of any immediate medical attention and special treatment needed**

No data available

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## **5. Fire-fighting measures**

### **5.1. Extinguishing media**

#### **Suitable extinguishing media**

Water Foam Carbon dioxide (CO2) Dry powder

#### **Unsuitable extinguishing media**

For this substance/mixture no limitations of extinguishing agents are given.

### **5.2. Special hazards arising from the substance or mixture**

Carbon oxides

Nitrogen oxides (NOx)

Potassium oxides

Combustible.

Fire may cause evolution of: nitrogen oxides

Development of hazardous combustion gases or vapours possible in the event of fire.

### **5.3. Advice for fire-fighters**

In the event of fire, wear self-contained breathing apparatus.

### **5.4 Further information**

Suppress (knock down) gases/vapors/mists with a water spray jet. Prevent fire extinguishing water from contaminating surface water or the ground water system.

## **6. Accidental release measures**

### **6.1. Personal precautions, protective equipment and emergency procedures**

Advice for non-emergency personnel: Avoid inhalation of dusts. Evacuate the danger area, observe emergency procedures, consult an expert.

For personal protection see section 8.

### **6.2. Environmental precautions**

Do not let product enter drains.

### **6.3. Methods and material for containment and cleaning up**

Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.

### **6.4. Reference to other sections**

For disposal see section 13.

## **7. Handling and storage**

### **7.1. Precautions for safe handling**

#### **Advice on safe handling**

Work under hood. Do not inhale substance/mixture.

#### **Hygiene measures**

Change contaminated clothing. Preventive skin protection recommended.

Wash hands after working with substance..

### **7.2. Conditions for safe storage, including any incompatibilities**

#### **Storage conditions**

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Tightly closed. Dry.

## Storage class

Storage class (TRGS 510): 11: Combustible Solids

## 7.3. Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

## 8. Exposure controls/personal protection

### 8.1. Exposure controls

Personal protection : Avoid all unnecessary exposure.  
Respiratory protection : Wear approved mask.  
Hand protection : Wear protective gloves.  
Skin protection : Wear suitable protective clothing.  
Eye protection : Chemical goggles or safety glasses.  
Others : When using, do not eat, drink or smoke.

### 8.2. Control parameters

Occupational Exposure Limits : No data available.

## 9. Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state : Solid  
Color : White  
Odor : No data available  
Melting point/freezing point : Melting point/range: 272 °C - dec.  
Initial boiling point and boiling range : No data available  
Flammability (solid, gas) : No data available  
Upper/lower flammability or explosive limits : No data available  
Flash point : Not applicable  
Autoignition temperature : No data available  
Decomposition temperature : No data available  
pH : 4,0 - 5,0 at 40,4 g/l at 25 °C  
Viscosity : Viscosity, kinematic : No data available  
Viscosity, dynamic : No data available  
Water solubility : No data available  
Partition coefficient: n-octanol/water : No data available  
Vapor pressure : No data available  
Density : 1.86 g/cm<sup>3</sup> at 20 °C

MOLYCHEM Office: 78/80 Babu Genu Road, Souri Bldg., 2<sup>nd</sup> Floor, Mumbai – 400 002 (INDIA)

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Relative density	No data available
Relative vapor density	No data available
Particle characteristics	No data available
Explosive properties	No data available
Oxidizing properties	None

## 9.2. Other information

No data available

## 10. Stability and reactivity

### 10.1. Reactivity

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.

### 10.2. Chemical stability

The product is chemically stable under standard ambient conditions (room temperature) .

### 10.3. Possibility of hazardous reactions

No data available

### 10.4. Conditions to avoid

Light. Air  
no information available

### 10.5. Incompatible materials

No data available

### 10.6. Hazardous decomposition products

In the event of fire: see section 5

## 11. Toxicological information

### 11.1. Information on toxicological effects


Acute toxicity	: Not classified
Skin corrosion/irritation	: Causes skin irritation. pH: 4 - 5 at 40.4 g/l at 25 °C
Serious eye damage/irritation	: Causes serious eye irritation. pH: 4 - 5 at 40.4 g/l at 25 °C
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: May cause respiratory irritation
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

## 12. Ecological information

### 12.1. Toxicity

No additional information available

### 12.2 Persistence and degradability

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No data available

### 12.3 Bioaccumulative potential

No data available

### 12.4 Mobility in soil

No data available

### 12.5 Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

### 12.6 Endocrine disrupting properties

#### Product:

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

### 12.7 Other adverse effects

No data available

## 13. Disposal considerations

### 13.1. Waste treatment methods

No data available

## 14. Transport information

### 14.1. UN number

ADR/RID: -

IMDG :

IATA:

### 14.2. UN proper shipping name

ADR/RID :

Not dangerous goods

IMDG:

Not dangerous goods

IATA:

Not dangerous goods

### 14.3. Transport hazard class(es)

ADR/RID :

IMDG :

IATA :

### 14.4. Packaging group

ADR/RID :

IMDG :

IATA :

### 14.5 Environmental hazards

ADR/RID : no

IMDG : Marine pollutant: no


IATA :

### 14.6 Special precautions for user

#### **Further information**

Not classified as dangerous in the meaning of transport regulations.

## 15. Regulatory information

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#### **15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

#### **15.2. Chemical Safety Assessment**

For this product a chemical safety assessment was not carried out

#### **16. Other information**

##### **Abbreviations and acronyms :**

PBT : persistent, bioaccumulative and toxic.

vPvB: very persistent and very bioaccumulative

**Sources of key data used :** REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006

**Further information :** None.

In accordance with REACH Regulation (CE) N° 1907/2006 and with CLP Regulation (CE) N° 1272/2008  
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#### **End of document**

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