

Tetra Acetyl Ethylene Diamine

1. Chemical Product and Supplier Identification

Product Name

Tetra Acetyl Ethylene Diamine

Synonyms

TAED

Manufacturer

Shaoxing Biotech Chemical Co Ltd

Zaoliang Rd. Fenghui Town, Shangyu, Shaoxing, China 312300

Tel: +86 575 82122059

MSDS Number

SBTAED-01-02

Effective Date

March 15, 2014

2. Composition/Information on Ingredients

Ingredients	Chemical Formula	CAS No.	Percentage
Tetra Acetyl Ethylene Diamine	C ₁₀ H ₁₆ O ₄ N ₂	10543-57-4	92~94

3. Hazards Identification

Potential Health Effects

Inhalation

May cause nose, throat, and respiratory irritation.

Eye contact

May cause irritation.

Skin contact

May cause skin irritation.

Ingestion

May cause irritation of the digestive tract.

4. First-aid Measures

Inhalation

Remove affected person to fresh air. Seek medical attention if effects persist.

Eye contact

Flush eyes with running water for at least 15 minutes with eyelids held open. Seek specialist advice.

Skin contact

Wash affected skin with soap and mild detergent and large amounts of water.

Ingestion

If the person is conscious and not convulsing, give 2-4 cupfuls of water to dilute the chemical and seek medical attention immediately. Do not inducing vomiting.

5. Fire Fighting Measure

Flash Point

Not applicable

Flammability

Not applicable

Ignition Temperature

Not applicable

Danger of Explosion

Non-explosive

Extinguishing Media

Water, Carbon Dioxide

Fire Hazards

Will burn to give acetic acid and cyclic amine tars initially. Further heating or combustion will give carbon dioxide and nitrogen oxide.

Fire-Fighting Measures

Evacuate all non-essential personnel Wear protective clothing and self-contained breathing apparatus
Remain upwind of fire to avoid hazardous vapors and decomposition products Use water spray to cool fire-exposed containers

6. Accidental Release Measures

Spill Clean-up Procedures

Eliminate all sources of ignition. Evacuate unprotected personnel from equipment recommendations found in Section 8. Never exceed any occupational exposure limit. Sweep up material and place in a disposal container. Flush remaining area with water to remove trace residue and dispose of properly. Notify authorities if entry occurs.

7. Handling and Storage

Storage

Store in a cool, dry, well ventilated area away from all source of ignition and out of direct sunlight. Keep away from incompatible materials. Keep containers tightly closed. Do not store in unlabeled or mislabeled containers. Never return unused product to storage container. Protect from moisture. Keep containers well sealed.

Handling

Avoid contact with eyes, skin.. Use with adequate ventilation. Do not swallow. Avoid breathing vapors, mists, or dust. Do not eat, drink, or smoke in work area. Prevent contact with combustible or organic materials. Label containers and keep them tightly closed when not in use. Wash thoroughly after handling.

8. Exposure Controls/Personal Protection

Engineering Controls

General room ventilation is required. Local exhaust ventilation, process enclosures or other engineers controls may be needed to maintain airborne levels below recommended exposure limits. Avoid creating dust or mist. Maintain adequate ventilation. Do not use in closed or confined spaces. Keep levels below

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exposure limits. To determine exposure levels, monitoring should be performed regularly.

Respiratory Protection

For many conditions, no respiratory protection may be needed; however, in dusty or unknown atmospheres or when exposures exceed limit values, wear a NIOSH approved respirator.

Eye/Face Protection

Wear chemical safety goggles and a full face shield while handling this product.

Skin Protection

Prevent contact with this product. Wear gloves and protective clothing depending on condition of use.

Other Protective Equipment

Eye-wash station Safety shower Impervious clothing Rubber boots

General Hygiene Considerations

Wash with soap and water before meal times and at the end of each work shift. Good manufacturing practices require gross amounts of any chemical be removed from skin as soon as practical, especially before eating or smoking.

9. Physical and Chemical Properties

Appearance:	White or color granules
Odor:	Weak acetic odor
Bulk Density:	420~750 g/L
PH, 3% Solution:	5
Solubility:	Not available
Auto Ignition Temperature:	425°C

10. Stability and Reactivity

Stability

Stable at normal storage and handling conditions.

Conditions to Avoid

Acids Strong alkalis Strong oxidizing agents

Hazardous Decomposition Products

None

11. Toxicological Information

LD50 Oral:	Min. 2000 mg/kg, rat
LD50 Dermal:	No data available
LD50 Inhalation:	No data available

12. Ecological Information

COD value:	940MGO ₂ /G(discharge method)
Biodegradability	under OECD guidelines: classified as ultimately biodegradable

13. Disposal Considerations

Waste Treatment

Dispose of in an approved waste facility operated by an authorized contractor in compliance with local regulations.

Package Treatment

The empty and clean containers are to be recycled or disposed of in conformity with local regulations.

14. Transport Information

Proper Shipping Name: Tetra Acetyl Ethylene Diamine

UN Number: Not applicable

Hazard Class: Not regulated

Labels: No information available

Packing Group: n/a

15. Regulatory Information

SARA Section	No
SARA (313) Chemicals	No
EPA TSCA Inventory	No
Canadian WHMIS Classification	D2B
Canadian DSL	Appears
EINECS Inventory	No

16. Other Information

Disclaimer

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