



Tetra Acetyl Ethylene Diamine

1. Chemical Product and enterprise information

Product Name.....Tetra Acetyl Ethylene Diamine
Company.....Henan Hongye Chemical Co., Ltd.
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MSDS No.....HYTAED-061001-06
Effective Date.....October1, 2006

2. Composition/Information on Ingredients

Chemical name.....Tetra Acetyl Ethylene Diamine
Formula..... $C_{10}H_{16}O_4N_2$
CAS No......10543-57-4
Percent.....approX92-95

3. Hazards Identification

Potential health effects

General.....Irritating to mucous membrane, eyes and skin.
Skin contact.....irritating
Eye contact.....irritating
Inhalation.....irritation of respiratory tract
Ingestion.....irritation of enter on

4. First-Aid Measures

♀ General Recommendations:

Do not dye soiled clothing near an open flame or incandescent heat source.

♀ Skin contact:

Remove contaminated shoes, socks and clothing; wash the affected skin with running water.

♀ Eye contact:

Flush eyes with running water for 15 minutes, while keeping the eyelids wide open.





Consult with an ophthalmologist in all cases.

♀ **Inhalation:**

Remove from exposure to fresh air immediately. If breathing is difficult, give oxygen. Do not use mouth-to-mouth resuscitation. Seek medical service immediately

♀ **Ingestion:**

Administer fresh water. Don't induce vomiting. Consult with a physician

5. Fire-Fighting Measures

Flash Point.....Not applicable
Flammability.....Non-flammable
Auto-ignition temperature.....Not applicable
Danger of explosion.....Non-explosive
Common extinguishing methods.....Water
Fire fighting instructions.....Evacuate all nonessential personnel.
Personnel should wear normal protective equipment(full bunker gear) and positive pressure self-contained breathing apparatus. keep the air liquidity to egest poisonous gas and disaggrega-tire subject.Use a large quantity of water to spray.

6. Accidental Release Measures

♀ **Precautions:**

- ▶ Observe the protection measures given in sections 5 and 8.
- ▶ Avoid materials and products which are incompatible with the product (see section 10).
- ▶ Avoid direct contact of the product with water.

♀ **Cleanup methods:**

- ▶ Collect the product with suitable means, shovel or sweep, avoiding dust formation.
- ▶ All receiving equipment should be clean, dry, vented, labeled and made of material that is compatible with the product.
- ▶ Don't return spilled or contaminated material to inventory.
- ▶ Clean the area with large quantities of water.
- ▶ For disposal methods, refer to section 13.

7. Handling and Storage

♀ **Handling:**

- ▶ Clean and dry process piping and equipment before using this product.
- ▶ Never return unused product to original storage container.
- ▶ Keep away from incompatible products.
- ▶ Containers and equipment used to handle the product should be used exclusively for





that product.

- ▶ Avoid any contact with water or humidity.
- ▶ For more information, consult the supplier.

♀ **Storage:**

- ▶ In a dry area.
- ▶ Protect from direct sunlight.
- ▶ Keep away from heat sources
- ▶ Keep away from reactive products (see section 10).
- ▶ Store in vented containers.
- ▶ Store at temperatures less than 40°C (104°F).

8. Exposure Controls/Personal Protection

♀ **Engineering controls:**

Provide ventilation in work areas when necessary to minimize dust and irritation and to comply with the following applicable limits.

♀ **Eye/face protection:**

Dust proof chemical goggles.

♀ **Hand protection:**

Protective gloves-chemical resistant.

♀ **Recommended material:**

PVC, neoprene or rubber.

♀ **Skin protection:**

For brief contact, few precautions other than clean body- covering clothing should be needed. When prolonged or frequently repeated contact could occur, use protective, full body clothing, such as PVC or rubber, impervious to this material.

♀ **Respiratory protection:**

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

♀ **Other precautions:**

- ▶ Safety shower and eyewash stations.
- ▶ Consult a health and safety expert for the selection of personal protective equipment suitable for the working conditions.

9. Physical and Chemical Properties

Appearance.....White granular solid.
 Odor.....light acetum odor
 Bulk Density.....0.5-0.8 g/cm³





Solubility.....None
PH (3% solution)5
Self-igniting temperature.....425°C

10. Stability and Reactivity

Stability.....Stable, under certain conditions
Materials to avoid.....acid. Alkali substances oxidant
Other information.....Decomposition releases no bad substance

11. Toxicological Information

LD.....2400 mg/kg rat

12. Ecological Information

Acute ecotoxicity.....no specific data.
Potential for bioaccumulation.....Non-bioaccumuable.
Toxic for aquatic organisms.....none
Abiotic degradation.....Low toxicity of degradation products.
COD.....940MGO2/G

13. Disposal Considerations

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

► Packing treatment:

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

14. Transport Information

D.O.T. Proper Shipping Name.....tetra Acetyl Ethylene Diamine
UN Number.....none
Hazard Class.....none
Packing Group.....no specific demand

15. Rule of Law Information

no information





16. Other Information

The data in this Material Safety Data Sheet is believed to be correct. However, since conditions of use are outside our control it should not taken as a warranty of representation for which Henan Hongye Chemical Co., Ltd. assumes legal responsibility. This information is provided solely for your consideration, investigation, and verification.

