

WESTERN RESERVE CHEMICAL

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MATERIAL SAFETY DATA SHEET

TETD

CAS #

97-77-8

1. Product Identifications

Product Name: TETD
Chemical Name: Tetraethylthiuram disulfide
Formula: $C_{10}H_{20}N_2S_4$

2. Physical Description/Properties

Specific Gravity: 1.31
Melting Point (C° Min): 66
Bulk Density (g/cm³): 0.4
Diameter of Pellet (mm): 3-5
PH Value NA
Appearance: off white to light yellow powder
Odor: Slight Amine
Taste: Slight Bitter
Solubility: Soluble in benzene, carbon disulfide,
methylene chloride, and ethyl alcohol.
Solubility in water less than 0.2g/100ml.
Volatiles % <0.4
Ash % <0.3
Sieve residue(250 Micron%) <0.5

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3. Hazard Information

Combustible dust

Keep away from heat, sparks and flame.

Eye irritant-Can cause redness, tearing and swelling.

Skin contact may cause allergic reaction.

May be absorbed through the skin and cause reactions similar to inhalation or ingestion.

Inhalation may cause upper respiratory irritation.

Ingestion of large quantities can cause headache, nausea, vomiting and gastrointestinal distress.

4. First Aid Information

| | |
|-------------|---|
| Skin: | Remove contaminated clothing and wash before re-use. Immediately wash contaminated skin with running water. |
| Ingestion: | Immediately rinse mouth with water. Induce vomiting only at the instruction of a physician. Seek immediate medical attention. |
| Eyes: | Flush with water for 15 minutes. Seek medical attention if irritation persists. |
| Inhalation: | Remove person to fresh air. Get immediate medical attention if breathing is difficult or short. |

5. Handling and Storage

Storage: Store in a dry well-ventilated area avoiding direct exposure to sunlight. Keep containers tightly closed.

Stability in storage: one year

6. Employee Protection Recommendations

The employee should wear protective clothes and avoid direct physical contact with the product.

Eye Protection: Wear chemical safety glasses or goggles

Hand Protective Requirements: Wear protective gloves.

Skin Protective Requirements: Wear overalls.

Ventilation: Local exhaust

7. Toxicological Information

Low toxicity
LD50 acute oral for rats: 780-1300mg/kg
LD50 acute skin for rats: >794mg/kg

8. Fire and Explosion Data

Flash point: Not available
Exposure standard limits: Not available
Flammable
Extinguish Media: Spray water, Carbon Dioxide, foam, sand or dry chemical.

9. Reactivity

Chemical stability: Stable when stored in original container protected from heat and moisture.
Hazardous Polymerization: Does not occur.
Materials to avoid: Strong oxidizers, acids or caustic materials.
Hazardous products of decomposition: Carbon monoxide, oxides of nitrogen and sulfur.

10. Accidental Release and Disposal

Spills: Sweep and place in closable container. Avoid generation of dust. Wear appropriate protective clothing and safety devices. Do not use water to remove spilled material.

Disposal: Bury waste and empty containers in licensed landfill in adherence to federal, state and local regulations.

11. Transportation Information

| | |
|---------------------------|---------------|
| DOT Status | None |
| DOT shipping name | None |
| DOT reportable qty. (lbs) | None |
| ICAO/IATA Status | Not regulated |
| Proper shipping name | None |
| UN/NA number | None |
| IMDG Status | Not regulated |
| TDG Canada | Not regulated |

12. Regulatory Information

| | |
|---|--|
| Worldwide Inventory Status | |
| TSCA (USA): | Listed |
| Canadian DSL: | Listed |
| Canadian NDSL: | N/A |
| EINECS/ELINCS (Europe): | Listed |
| Japanese Inventory (ENCS): | Listed |
| Korean Chemical Inventory (ECL): | Listed |
| Australian Chemical Inventories (AICS): | Listed |
| New Zealand (NZ): | Listed |
| Philippines (PICCS) Inventory: | Listed |
| China (CLECS): | Listed |
| US Regulatory Rules | |
| SARA Section 302: | Not Applicable |
| SARA 311/312 Hazard Categories: | Immediate Delayed |
| SARA 313 Chemical: | N/A |
| RCRA Status: | Not a RCRA waste. |
| Other Regulations: | |
| California Proposition 65: | NONE |
| New Jersey Right-to-Know List: | Listed |
| Pennsylvania Right-to-Know List: | Listed |
| Florida Right-to-Know: | N/A |
| Minnesota Right-to-Know: | N/A |
| MA Right-to-Know Law: | Listed |
| Canadian Regulations | |
| WHMIS Hazard Class: | D2B TOXIC MATERIALS/ Materials Causing Other Toxic Effects |
| NPRI: | N/A |

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13. Other Information

FDA status 21 CFR Regulated for use under the following
 sections of 21CFR: 177.2600.
 Rubber articles intended for repeated use in
 food contact

HMIS Classification Health 2 Flammability 1 Reactivity 0

Important Note: The information provided is without warranty regarding its accuracy or completeness. The information may not be valid under all conditions. The user has the final responsibility for determining the suitability of the product in a given application.

12/05