



HARWICK
S T A N D A R D

Safety Data Sheet
ACCELERATOR TETD CR
Page 1 of 9

SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT IDENTIFIER: ACCELERATOR TETD CR

Other means of identification

Chemical name: Tetraethyl thiuram disulfide

Synonyms: TETD

Recommended use and restrictions on use: Accelerator

Supplier information:

Manufactured for and supplied by:

Supplier: Harwick Standard Distribution Corporation

Supplier Address: 60 S. Seiberling Street, Akron, OH 44305

Contact: Health, Safety & Environment

Telephone: 330-798-9300

Website: www.harwickstandard.com

SECTION 2 – HAZARD(S) IDENTIFICATION

Classification of the substance or mixture:

Acute Toxicity, Oral, Category 4

Skin Sensitizer, Category 1

Specific Target Organ Toxicity-repeated exposure, Category 2

OSHA Regulatory Status: Classified as hazardous based on components.

GHS Label Elements

Hazard symbol:



Signal word: Warning

Hazard statements:

Harmful if swallowed.

May cause an allergic skin reaction.

May cause damage to organs through prolonged or repeated exposure.

Precautionary Statements:



Do not breathe dust/fume/gas/mist/vapors/spray.
Wash skin thoroughly after handling.
Do not eat, drink or smoke when using this product.
Contaminated work clothing should not be allowed out of the workplace.
Avoid release to the environment.
Wear protective gloves.
IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
IF ON SKIN: Wash with plenty of soap and water.
Get medical advice/attention if you feel unwell.
If skin irritation or rash occurs: Get medical advice/attention.
Wash contaminated clothing before reuse.
College spillage.
Dispose of contents/container to an approved waste disposal plant.

Hazard(s) not otherwise classified (HNOC): None known.

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Substance/Mixture:

<u>Components</u>	<u>Chemical Identity</u>	<u>CAS Number</u>	<u>Weight%</u>
	Tetraethyl thiuram disulfide	97-77-8	>97%

Any concentrations shown as a range is to protect confidentiality or is due to batch variation.
Occupational exposure limits, if available, are listed in Section 8.

SECTION 4 – FIRST AID MEASURES

Inhalation: Immediately remove affected person to fresh air. If not breathing provide artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Ingestion: If swallowed, contact a physician immediately. Only induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person.

Skin contact: Immediately wash skin with soap and water and rinse thoroughly. Remove contaminated clothing and launder before reuse. If skin irritation continues, consult a physician.

Eye contact: Remove contact lenses if worn. Immediately flush eyes with plenty of water for at least 15 minutes. If symptoms persist, consult a physician.

General Advice: In case of overexposure or if symptoms develop, seek medical attention. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. Show this Safety Data Sheet to the physician in attendance.



Most important symptoms/effects, acute and delayed:

- Eye contact:** May cause eye irritation.
- Inhalation:** May cause respiratory tract irritation.
- Skin contact:** May cause skin irritation.
- Ingestion:** Harmful if swallowed.

Notes to physician: Provide symptomatic/supportive care as necessary. Treatment based on sound judgment of physician and individual reactions of patient.

Indication of immediate medical attention and special treatment needed: No data available.

SECTION 5 – FIRE FIGHTING MEASURES

Suitable extinguishing method: In case of fire, use water spray, foam, or dry chemical.

Unsuitable extinguishing method: To avoid generating combustible dusts, do NOT use water jet to fight fire.

Specific hazards arising from chemical: Fight fire from a safe distance and from a protected location. Use water spray to cool fire exposed surfaces. Do not allow runoff to enter waterways.

Combustion products: Toxic emissions may result if product is involved in a fire. During a fire the product can form sulfur oxides and nitrogen oxides.

Special firefighting equipment and precautions for firefighters: Avoid breathing smoke or fumes. Firefighters should wear a self-contained breathing apparatus (SCBA) operating in positive pressure mode and full protective clothing for combating fires. To avoid generating combustible dusts, do NOT use water jet to fight fire. Do not allow runoff to enter drains or waterways.



SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Wear protective equipment specified. See Section 8. Unnecessary personnel should be kept clear of the area. Avoid contact with skin and eyes and inhalation of dust. Avoid the generation of dust. Take up any spilled product by mechanical means (sweep/shovel) and place into sealed containers for proper disposal.

Methods and materials for containment and cleaning up:

Isolate area and remove sources of friction, impact, heat, low level electrical current and RF energy. Isolate spill and patch the leak package immediately. Remove ignition sources and work with non-sparking tools. DO NOT spread spilled product with water.

Environmental precautions:

Prevent further leakage and spillage, if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided. In the event of a spill or accidental release that cannot be contained, notify the relevant authorities in accordance with all applicable regulations.

SECTION 7 - HANDLING AND STORAGE

Precautions for safe handling: Avoid generating or breathing dust. Avoid contact with eyes, skin and clothing. Reclose containers of unused product. Wash hands before eating, chewing gum, using tobacco or using the toilet. Good hygienic practices should be observed. Work clothes should be washed separately at the end of each work day. Disposable clothing should be discarded with material.

Conditions for safe storage, including any incompatibilities: Store closed containers in a cool, dry, well-ventilated area. Avoid exposure to direct sunlight. Keep material away from heat/ignition sources such as sparks and flames. Store away from oxidizing materials.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limits:

Component

Tetraethyl thiuram disulfide

Exposure Limits

NIOSH REL/8Hr-TWA = 2 mg/m³

ACGIH TLV/8Hr TWA = 2 mg/m³

Appropriate engineering controls: General, local exhaust ventilation as necessary to control any air contaminants to within their exposure limits during use of this product. Adequate ventilation should be provided to keep dust concentration below acceptable exposure limits. Discharge from the ventilation system should comply with applicable air pollution control regulations. Facilities storing or utilizing this material should be equipped with eye wash station(s) and safety shower(s).

Individual protection measures, such as personal protective equipment:

Eye/face protection: Safety glasses or goggles.



Skin/Hand protection: Wear impervious gloves to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with good laboratory practices. Wash hands with soap and water.

Body protection: To protect the body, wear impervious clothing such as coveralls to minimize skin contact. Select protective equipment according to the concentration and amount of the dangerous substance at the specific workplace. Launder contaminated clothing before reuse.

Respiratory protection: Appropriate respiratory protection shall be worn when applied engineering controls are not adequate to protect against inhalation exposure. If dust is generated, wear NIOSH-approved dust respirator or dust mask. If vapors/dust are generated above exposure limits, use NIOSH approved full-face organic cartridge filter respirator, air supplied respirator or SCBA. Respirators should be selected and used in accordance with OSHA, Subpart 1 (29 CFR 1910.134)

Additional Information: No data available.

SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES

Appearance:	Light yellow powder
Form:	Crystalline
Odor:	No data available
Decomposition Temperature:	No data available
Odor Threshold:	No data available
pH:	No data available
Boiling Point/Range:	No data available
Melting Point/Freezing Point:	66-72°C
Flash Point (°C):	No data available
Flammable/Explosion Limits:	No data available
Relative Density	
(Specific Gravity):	No data available
Vapor Pressure:	No data available
Vapor Density:	No data available
Solubility:	No data available
Evaporation Rate:	No data available
Partition Coefficient:	No data available
(n-octanol/water)	
Auto-ignition Temperature:	No data available
Viscosity:	No data available
Explosive Properties:	No data available



SECTION 10 - STABILITY & REACTIVITY

Reactivity: No specific test data available for this product.

Chemical stability: Stable when stored at room temperature and pressure in closed, original container. Hazardous polymerization has not been reported.

Possibility of hazardous reactions: Under normal conditions of storage and use, hazardous reactions are not anticipated.

Conditions to avoid: Keep away from ignition sources. Avoid contact with incompatible materials.

Incompatible materials: Strong oxidizing agents.

Hazardous decomposition products: Irritating and toxic fumes/gases, Sulfur oxides, Nitrogen oxides, Carbon monoxide, Carbon dioxide.

SECTION 11 - TOXICOLOGICAL INFORMATION

Acute Toxicity

Oral: LD50 (Rat): 500 mg/kg
LD50 (Mouse): 1,980 mg/kg
LD50 (Rabbit): 1,800 mg/kg

Dermal: No data available

Inhalation: No data available

Irritation/Corrosion:

Skin: No data available. Slight irritant effect on skin and mucous membranes.

Eyes: Eyes-Rabbit
Result: No eye irritation
Slight irritant effect on eyes.

Respiratory: No data available

Sensitization:

Skin: Sensitizing effect through inhalation is possible by prolonged exposure.
Sensitization possible through skin contact.

Respiratory: No data available

Mutagenicity: No data available

Carcinogenicity: IARC: Group 3: Not classifiable as to its carcinogenicity to humans



Reproductive/Developmental

Toxicity: No data available

Specific target organ toxicity-single exposure: No data available

Specific target organ toxicity-repeated exposure: Oral-May cause damage to organs through prolonged or repeated exposure.

Information on likely routes of exposure: Routes of entry: Inhalation, Dermal-Skin

Potential acute health effects:

Eye contact: May cause eye irritation.
Inhalation: May cause respiratory tract irritation.
Skin contact: May cause skin irritation.
Ingestion: Harmful if swallowed.

Symptoms related to the physical, chemical and toxicological characteristics:

Inhalation: No data available
Skin Contact: No data available
Eye Contact: No data available
Ingestion: No data available

Delayed and immediate effects and also chronic effects from short and long term exposure:

Short term exposure:

Potential immediate effects: Not available.
Potential delayed effects: Not available.

Long term exposure:

Potential immediate effects: Not available.
Potential delayed effects: Not available.

Potential chronic health effects: Not available.

Additional information: Toxic effects may be delayed up to 48 hours. May cause Antabuse effect.

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity:

Fish: LC50 (96 hr): 0.187 mg/L (Guppy)
Aquatic Invertebrates: LC50 (48 hr): 0.12 mg/L (Water flea)
Algae: EC50 (96 hr): 1.8 mg/L (Chlorell pyrenoidosa)

Persistence and degradability: No data available



Bioaccumulative potential: No data available

Mobility in soil: No data available

Other adverse effects: Very toxic to aquatic life with long lasting effects.

SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal instructions: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Empty containers should be handled in a manner not to cause dusting during collection, transportation and disposal. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues and must be treated as waste. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14 - TRANSPORTATION INFORMATION

Special shipping information (DOT): Not DOT Regulated

SECTION 15 - REGULATORY INFORMATION

U.S.:

TSCA Inventory Status: Chemical components are listed or exempt.

Title III SARA Status:

SARA Section 302-Extremely Hazardous Substance

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA Section 311 & 312-Hazardous Categories

(Immediate) Acute health hazard, (Delayed) Chronic health hazard

SARA Section 313-Toxic Chemicals

This product contains the following toxic chemical(s) subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40 CFR 372: None known.

California Proposition 65: This product does not contain any chemicals known to the State of California to cause cancer, birth defects or any other reproductive harm.



HARWICK
S T A N D A R D

Safety Data Sheet
ACCELERATOR TETD CR
Page 9 of 9

SECTION 16 - OTHER INFORMATION

Issue date: 12-11-2015

Version #: 01

Revision Information: GHS Format

HMIS Ratings: Health: 2* Fire: 0 Reactivity: 0

Disclaimer: The information and recommendations contained herein are based upon data that are believed to be accurate and reliable. Application and performance information are provided only as a guide, since the conditions of use are beyond the control of Harwick Standard Distribution Corporation. Consequently, Harwick Standard makes no warranties, express or implied, with respect to the goods or use of the goods or the performance of the goods and makes no warranties of fitness for a particular purpose or merchantability. Buyer acknowledges that Harwick Standard will not be liable for consequential, incidental, direct or special damages arising, directly or indirectly, in respect to such goods or the use or failure thereof, whether based on breach of warranty, negligence, strict liability in tort or otherwise.

Harwick Standard Distribution Corporation

www.harwickstandard.com