

MATERIAL SAFETY DATA SHEET



Date Issued: 07/13/2010
MSDS No: 2010.004

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT FORMULATION NAME: Bis (3-Triethoxysilylpropyl) tetrasulfide

MANUFACTURER

UCT Specialties, Inc.
2731 Bartram Road
Bristol, PA 19007

Emergency Contact: Jon Telepchak
Product Stewardship: 215-781-9255
ex141

Service Number: 717-247-0896

24 HR. EMERGENCY TELEPHONE NUMBERS

CANUTEC (Canadian Transportation) :(613) 996 - 6666
CHEMTREC (US Transportation) :(800) 424 - 9300

2. HAZARDS IDENTIFICATION

HAZARD DESIGNATION

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE: Pale yellow liquid

IMMEDIATE CONCERNS: Avoid inhalation, eye contact, ingestion, skin contact

POTENTIAL HEALTH EFFECTS

EYES: Contact may cause eye irritation.

SKIN: Frequent or prolonged contact may irritate the skin and cause a skin rash (dermatitis) or defatting of the skin

INGESTION: Expected to be slightly toxic by ingestion

INHALATION: Can cause respiratory irritation

SIGNS AND SYMPTOMS OF OVEREXPOSURE

ACUTE TOXICITY: Direct contact with material may irritate eyes, skin, respiratory track and also include gastrointestinal upset and cramping

CHRONIC EFFECTS: None known.

REPRODUCTIVE TOXICITY

REPRODUCTIVE EFFECTS: To the best of our knowledge the reproductive properties of this product have not been fully investigated

MEDICAL CONDITIONS AGGRAVATED: Preclude from exposure those individuals having a history of respiratory illness or pre existing eye or skin condition.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS
Bis (3-Triethoxysilylpropyl) Tetrasulfide	40372-72-3

4. FIRST AID MEASURES

EYES: Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation develops or persists.

SKIN: Immediately wash skin with soap and plenty of water. Get medical attention if irritation develops or persists

INGESTION: Call a physician or poison control center immediately. Only induce vomiting at the instructions of a physician. Never give anything by mouth to an unconscious person. If vomiting should occur spontaneously, keep airway clear

INHALATION: If exposed to excessive levels of fumes, remove to fresh air. If breathing is difficult get immediate medical attention. Get medical attention if cough or other symptoms develop.

5. FIRE FIGHTING MEASURES

FLASH POINT AND METHOD: COC Flash point: > 100 C (> 212.0F)

FLAME PROPAGATION OR BURNING RATE OF SOLIDS: Not considered to be a fire hazard

EXTINGUISHING MEDIA: Use any means suitable for extinguishing surrounding fire

HAZARDOUS COMBUSTION PRODUCTS: Can include ethanol, carbon monoxide, carbon dioxide and hydrogen sulfide

EXPLOSION HAZARDS: Not considered to be an explosion hazard.

FIRE FIGHTING EQUIPMENT: As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Absorb spill with inert material

LARGE SPILL: Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container

COMMENTS: Ventilate the spill area, wear appropriate personal protective equipment as specified in Expose Controls/ Personal Protection Section. Treat or dispose of waste material in accordance with all local, state/provincial, and national requirements

7. HANDLING AND STORAGE

GENERAL PROCEDURES: Avoid contact with skin and eyes and respiratory. Use with adequate ventilation

HANDLING: Store in a cool dry area, eliminate all sources of ignition

STORAGE: Store in a well ventilated cool dry place.

COMMENTS: Follow all MSDS/Label precautions even after container is emptied because they may retain product residues. Empty drums should be completely drained, properly bunged, and promptly returned to a drum reconditioner, or properly disposed of.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Local exhaust ventilation may be necessary to control any fume levels during the use of this product.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Use Chemical goggles.

SKIN: Wear protective gloves to minimize skin contamination

RESPIRATORY: A NIOSH/MSHA Approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits.

Where a fume hood enclosure is not available a respiratory protection program that meets OSHA's 29 CFR 1910-134 and ANSI Z88-2 requirements must be followed whenever workplace conditions warrant a respirator's use.

OTHER USE PRECAUTIONS: Personal Protective Equipment Recommendations: Gloves, Goggles, Face Shield, Dust and Vapor Respirator, Full Suit

COMMENTS: To identify additional Personal Protective Equipment (PPE) requirements, it is recommended that a hazard assessment in accordance with the OSHA PPE standard (29 CFR 1920.132) be conducted before using this product.

A Hazard assessment should be done at your facility to determine what personal protective equipment will be required for your process

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Light odor of Ethyl Alcohol

COLOR: pale yellow

pH: Not Available

VAPOR PRESSURE: 1mm Hg @68 F

VAPOR DENSITY: n/a (Air= 1)

FLASH POINT AND METHOD: COC Flash point: > 100 C (> 212.0F)

SOLUBILITY IN WATER: Insoluble

VISCOSITY: 9.5mPa.s

MOLECULAR WEIGHT: 538.97

COMMENTS: Solubility in Acetone: Practically 100%

10. STABILITY AND REACTIVITY

STABLE: Yes

HAZARDOUS POLYMERIZATION: No

STABILITY: This product is normally stable. Decomposition begins at >250 C

POLYMERIZATION: Will not occur.

INCOMPATIBLE MATERIALS: Water, Acids and Alkalines react with product to form Ethanol

11. TOXICOLOGICAL INFORMATION

ACUTE

ORAL LD₅₀: LD50 (oral, rat): > 17,500 mg/kg.

LC50 (rat): >8mg/15M

INHALATION LC₅₀: Avoid inhalation

EYE EFFECTS: No information found

Avoid contact;

SKIN EFFECTS: No information found

Avoid contact

CHRONIC: To the best of our knowledge the chronic effects properties of this product have not been fully investigated.

REPRODUCTIVE EFFECTS: To the best of our knowledge birth defects/reproductive properties of this product have not been fully investigated

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: No information available

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: It is recommended that waste generators determine whether a discarded chemical is classified as a hazardous waste

When a decision is made to discard this material, as received, is it classified as a hazardous waste? Yes

Additionally waste generators must consult with their waste broker, state, and local hazardous waste regulations to ensure complete and accurate classification.

Incineration is recommended.

EMPTY CONTAINER: Uncleaned empty containers should be disposed of in the same manner as the contents

14. TRANSPORT INFORMATION**DOT (DEPARTMENT OF TRANSPORTATION)**

PROPER SHIPPING NAME: B2494

TECHNICAL NAME: Bis (3-Triethoxysilylpropyl) Tetrasulfide

15. REGULATORY INFORMATION**UNITED STATES****TSCA (TOXIC SUBSTANCE CONTROL ACT)**

TSCA STATUS: This product is listed on the TSCA Inventory.

OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA)

29 CFR1910.119---PROCESS SAFETY MANAGEMENT OF HIGHLY HAZARDOUS CHEMICALS: material is not considered a work place hazard

CANADA

WHMIS (WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM): Material is not considered a workplace hazard

EUROPEAN COMMUNITY**EEC LABEL SYMBOL AND CLASSIFICATION**

S16.1- Keep away from source of ignition

S23.4 - Do not breathe flumes/vapor.

S24/25 Avoid contact with skin and eyes

S3/7/9- Keep container tightly closed in a cool, well- ventilated place.

S36/37/39- Wear suitable protective clothing, gloves and eye/face protection

S38- In case of insufficient ventilation, wear suitable respiratory equipment

16. OTHER INFORMATION

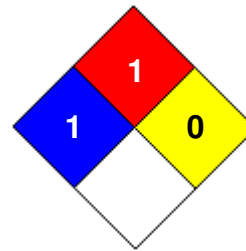
PREPARED BY: JNM

REVISION SUMMARY: New MSDS

HMIS RATING

HEALTH:	0
FLAMMABILITY:	1
PHYSICAL HAZARD:	0
PERSONAL PROTECTION:	

NFPA CODES



MANUFACTURER SUPPLEMENTAL NOTES: All technical data is believed to be correct but does not purport to be all inclusive and shall be used only as a guide.

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It does not relate to use in combination with any other material or in any process.

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