

MATERIAL SAFETY DATA SHEET



Date Issued: 08/11/2010
MSDS No: 2010.150

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT CODE: B2614.4
PRODUCT FORMULATION NAME: Bromophenyltrimethoxysilane
MOLECULAR FORMULA: C₉H₁₃BrO₃Si

MANUFACTURER

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

Emergency Contact: Jon Telepchak
E-Mail: jtelepchak@unitedchem.com
Product Stewardship: 215-781-9255
ex141
Service Number: 717-247-0896

24 HR. EMERGENCY TELEPHONE NUMBERS

CANUTECH (Canadian Transportation) :(613) 996 - 6666
CHEMTECH (US Transportation) :(800) 424 - 9300

COMMENTS: For Research and Development Use Only

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE: Clear liquid

IMMEDIATE CONCERNS: Material may form a siloxane polymer on the skin, eyes or in the lungs. In the event of direct contact of the liquid with these tissues, seek medical attention.

POTENTIAL HEALTH EFFECTS

EYES: Irritant, Conjunctivitis, Corneal damage

SKIN: * Irritant

SKIN ABSORPTION: Can be absorbed

INGESTION: Effects undetermined, Treat as Toxic

INHALATION: *Cause irritation or damage to lung. Harmful. Avoid contact

SIGNS AND SYMPTOMS OF OVEREXPOSURE

ACUTE TOXICITY: Material generates Methanol (toxic on contact with water or moisture on the skin eyes and mucous membrane.

Methanol is a tissue irritant that may be absorbed through the skin produce systemic toxic effects. Vapors may be inhaled and metabolized to Formaldehyde and Formic acid resulting in systemic acidosis, blindness, and ultimately death from respiratory arrest. Liquid produces effect similar to inhalation overexposure when ingested

COMMENTS: The information provided here is based on published data for structurally analogous chemicals (not bio-assay of this specific substance)

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS
Bromophenyltrimethoxysilane	R&Donly

4. FIRST AID MEASURES

EYES: Flush with clean water for at least 15 minutes and consult physician

!!!!Get Medical Attention Immediately!!!!

SKIN: Scrub with soap and water. Remove contaminated clothing and shoes

INGESTION: Get medical attention

INHALATION: Remove victim to fresh air, give CPR or oxygen if necessary

COMMENTS: If symptoms persist, get medical attention

Never give anything by mouth to an unconscious person

5. FIRE FIGHTING MEASURES

FLASH POINT AND METHOD: 105°C (221°F) (Closed cup)

EXTINGUISHING MEDIA: Alcohol Foam, dry chemical, CO2.

FIRE FIGHTING EQUIPMENT: Fire Fighters must wear positive- pressured, self-contained breathing apparatus and full protective clothing.

6. ACCIDENTAL RELEASE MEASURES

GENERAL PROCEDURES: Absorb spilled material with suitable chemical binder. Shovel absorbent into suitable waste container. Do not contaminate soil, groundwater, or surface water.

SPECIAL PROTECTIVE EQUIPMENT: Wear appropriate personal protective equipment as specified in section 8.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: Store in a cool and dry place. Protect from moisture. Maintain tightly closed container. Store away from acidic, and oxidizing materials. Provide adequate ventilation

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 and face shield.

SKIN: Use impervious gloves. Use impervious clothing as necessary to protect against skin contact

RESPIRATORY: Local exhaust required, Mechanical ventilation required

In case of exposure, use appropriate NOISH approved respiratory protection

WORK HYGIENIC PRACTICES: General industrial hygiene practice.

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 1910.132) be conducted before using this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

COLOR: Clear

VAPOR DENSITY: > 1

BOILING POINT: 135°C /13.5mm

FLASH POINT AND METHOD: 105°C (221°F) (Closed cup)

SOLUBILITY IN WATER: Reacts

SPECIFIC GRAVITY: 1.631

10. STABILITY AND REACTIVITY

STABILITY: (UNDER NORMAL CONDITIONS): Stable under ordinary conditions of use and storage.

POLYMERIZATION: Hazardous polymerization will not occur

CONDITIONS TO AVOID: Water and moist air

HAZARDOUS DECOMPOSITION PRODUCTS: Generates Mehtanol; TLV (skin TWA)200ppm

INCOMPATIBLE MATERIALS: Acid and Oxidizing agents

11. TOXICOLOGICAL INFORMATION

CARCINOGENICITY

IARC: No

NTP: No

OSHA: No

COMMENTS: No information available

Material contains Methanol.

Methanol: Toxicity Data: ihl-hmn TCLo: 86,000 mg/m³; ihl-hum TCLo: 300 ppm; ihl-rat LC50: 64,000 ppm/ 4 hours; orl-hum LDLo: 428 mg/kg; orl- hum LDLo: 143 mg/kg; orl-man TDLo: 3429 mg/kg; orl-wmn TDLo: 4000 mg/kg; orl- rat LD50: 5628 mg/kg; snk-rbt LD50: 15,800 mg/kg; ink-man LDLo: 868 mg/kg

Irritation Data: eye-rbt: 40mg MOD IRR; skn-rbt: 500 mg/24 hours MOD IRR

Reproductive Toxicity Data: ihl-rat TCLo: 20.000ppm/7hours (1-22 days pregnant); ihl-rat TCLo: 20,000ppm/ 7 hours (7-15 days pregnant); ihl-rat TCLo: 10,000 ppm / 7 hours (7-15 days pregnant); orl-rat TDLo: 7500 mg/kg (17-19 days pregnant)

Methanol is the subject of a TSCA CHIP, a NIOSH Criteria Document, a NIOSH Current Intelligence Bullentin, is a CERCLA Hazardous Substance (RQ= 500# /2270kg.) , is listed under RCRA (U154), and Sara Title III section 313 toxic chemical.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: No information available

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Follow all federal, state and local regulations.

EMPTY CONTAINER: Containers of this material may be hazardous when empty since they retain product residues(liquid); observe all warnings and precautions listed for this product.

14. TRANSPORT INFORMATION

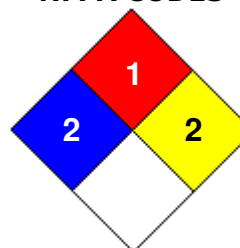
COMMENTS: not regulated

15. REGULATORY INFORMATION

UNITED STATES

TSCA (TOXIC SUBSTANCE CONTROL ACT)**TSCA STATUS:** This product is not listed on the TSCA Inventory.**16. OTHER INFORMATION****APPROVED BY:** Office of Environmental Health Safety & Security **TITLE:** Dir. of Env. Health Safety & Security**PREPARED BY:** jnm**INFORMATION CONTACT:** jtelepchak@unitedchem.com**REVISION SUMMARY:** New MSDS**HMIS RATING**

HEALTH:	*	2
FLAMMABILITY:		1
PHYSICAL HAZARD:		2
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.**MANUFACTURER DISCLAIMER:** The data in this Material Safety Data Sheet relates only to the specific material designated herein.

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

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