

MATERIAL SAFETY DATA SHEET



Date Issued: 08/02/2010
MSDS No: 2010.083

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT CODE: A0394.5
PRODUCT FORMULATION NAME: Acryloxypropylmethyldimethoxysilane
MOLECULAR FORMULA: C₉H₁₈O₄Si

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

CANUTEC (Canadian Transportation) :(613) 996 - 6666
CHEMTEC (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 ABSORPTION: Can be absorbed

INGESTION: Effects undetermined. Treat as toxic.

INHALATION: * Irritant

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

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS
Acryloxypropylmethyldimethoxysilane	13732-00-8

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: > 93°C (200°F)

EXTINGUISHING MEDIA: Alcohol Foam, dry chemical, CO₂.

FIRE FIGHTING EQUIPMENT: Fire fighters must wear positive pressure, 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. Protect from heat, direct sunlight and source of ignition. Maintain tightly closed container. Provide adequate ventilation. Store away from UV light. Store away from free radical initiators

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Facilities storing or utilizing this materials 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: Use impervious gloves

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

ODOR: Slightly acrylic odor

COLOR: Clear

BOILING POINT: 62°C

FLASH POINT AND METHOD: > 93°C (200°F)

SOLUBILITY IN WATER: Reacts

SPECIFIC GRAVITY: 1.000

10. STABILITY AND REACTIVITY

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

POLYMERIZATION: Hazardous polymerization may occur

CONDITIONS TO AVOID: Contact with water or moisture. Exposure to heat. Exposure to UV light .
Contact with free radical initiators.

HAZARDOUS DECOMPOSITION PRODUCTS: generates Methanol; TVL *skin, TWA)=200ppm

11. TOXICOLOGICAL INFORMATION

ACUTE

EYES:

Material generates Mehtanol on Hydrolysis

METHANOL: Irritation Data: eye-rbt: 40 mg MOD IRR

SKIN ABSORPTION: Material generates Methanol

Methanol Toxicity Data:

skn-rbt 15,800 mg/kg; unk-man LDLo:868mg/kg

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

ORAL LD₅₀: Material contains Methanol

Methanol Toxicity Data:

orl-hmn LDLo: 428 mg/kg; orl-hmn LDL50: 5628 mg/kg; orl-man TDLo: 3429 mg/kg; orl-wmn TDLo: 4000mg/kg; orl-rat LD50: 5628 mg/kg

INHALATION LC₅₀: Material contains Methanol

Methanol Toxicity Data:

ihl-hmn TCLo: 86,000 mg/m³; ihl-hum TCLo: 300 ppm; ihl-rat LC50 64,000ppm /4 hours

CARCINOGENICITY

IARC: No

NTP: No

OSHA: No

REPRODUCTIVE EFFECTS: Material generates Methanol on Hydrolysis

METHANOL, Reproductive Data: ihl-rat TCLo: 20,000ppm / 7 hour (1-22 Days Pregnant); Ihl- rat TCLo: 20,000 ppm/ 7 hours (7-15 Days Pregnant); ihl-rat TCLo: 10,000ppm/ 7 Hours (7-15 Days Pregnant); orl-rat TDLo: 7500 mg/kg (17-19 Days Pregnant).

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

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

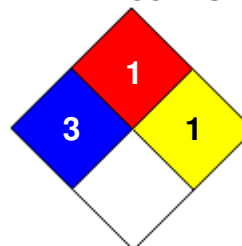
INFORMATION CONTACT: jtelepchak@unitedchem.com

REVISION SUMMARY: New MSDS

HMIS RATING

HEALTH:	*	3
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.

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

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