

MATERIAL SAFETY DATA SHEET



Date Issued: 07/22/2010
MSDS No: 2010.034

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT CODE: PS076

MOLECULAR FORMULA: [(CH₃O)_n (C₃H₇O)_{3-n} C₃H₆Si]_x [C₂H₄N.HCl]_y [C₂H₅N]_z

MANUFACTURER

UCT Specialties, Inc.
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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

CHEMTREC (US Transportation) :(800) 424 - 9300

COMMENTS: COMPONENTS:

Polyethyleneimine, [N-(tri(isopropoxy, methoxy)-silylpropyl)-, hydrochlorides

Isopropyl alcohol [67-63-01]

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE: liquid

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

POTENTIAL HEALTH EFFECTS

EYES: Severely irritating. Conjunctivitis, cornea damage.

SKIN: Irritant. May be harmful. Avoid contact.

INGESTION: Toxic Harmful avoid contact

INHALATION: Irritant. May be harmful. Avoid contact

COMMENTS: Isopropyl alcohol:

Isopropyl alcohol is metabolized to acetone which may result in ketosis, respiratory depression, coma, and possible death. Isopropyl alcohol and acetone may have a narcotic effect when ingested or inhaled in sufficient quantities. The symptoms of exposure may be dizziness, headache, nausea, CNS depression, and/or loss of consciousness.

3. COMPOSITION / INFORMATION ON INGREDIENTS

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: (53.6°F)

Notes: (Isopropanol)

FLAMMABLE LIMITS: 2.0% to 12.7% @93 C

EXTINGUISHING MEDIA: Water spray or fog, '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. Flush spill area with large amount of water. Do not contaminate soil, groundwater, or surface water.

7. HANDLING AND STORAGE

HANDLING: Container requires grounding during use.

STORAGE: Store in a cool and dry place. Protect from moisture. Protect from heat, direct sunlight, and source of ignition. Store away from alkaline, acidic and oxidizing materials. Maintain tightly closed container. 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

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Use Chemical goggles.

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

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

PERCENT VOLATILE: 50

VAPOR PRESSURE: 33 mm at 25°C

VAPOR DENSITY: 2.1

BOILING POINT: 83 C/760mm

FLASH POINT AND METHOD: (53.6°F)

Notes: (Isopropanol)

SOLUBILITY IN WATER: Reacts

SPECIFIC GRAVITY: 0.900

10. STABILITY AND REACTIVITY

STABLE: Yes

HAZARDOUS POLYMERIZATION: No

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

POLYMERIZATION: Hazardous polymerization will not occur

CONDITIONS TO AVOID: Contact with water or moisture air. Contact with oxidizing agents, alkali and acids. Contact with acid chlorides and acid anhydrides. Protect from heat, sparks or other source of ignition. Generates methanol; TLV (kin, TWA)= 200ppm

11. TOXICOLOGICAL INFORMATION

ACUTE

EYES: Material contains Isopropanol and generates Methanol on hydrolysis

ISOPROPANOL: Irritation Data: eye-hmn: 20ppm

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

SKIN ABSORPTION: Material contains Isopropanol and generates Methanol on hydrolysis

ISOPROPANOL: Toxicity Data: skn-rbtLD50: 13mg/kg

Irritation Data: skn-rbt: 500 mg MLD IRR

METHANOL: Toxicity Data: skn-rbt LD50: 15,800 mg/kg; unk-man LDLo: 868 mg/kg

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

ORAL LD₅₀: Material contains Isopropanol and generates Methanol on hydrolysis

ISOPROPANOL: Toxicity Data: orl-man LDLo: 8600mg/kg

METHANOL: Toxicity Data: orl-humLDLo: 428 mg/kg; orl-hum LDLo: 143 mg/kg; orl-man TDLo: 3429 mg/kg; orl- wmn TDLo: 4000 mg/kg; orl-rat LD50 5628mg/kg

INHALATION LC₅₀: Material contains Isopropanol and generates Methanol on hydrolysis

ISOPROPANOL: Toxicity Data: ihl-hmn TCLo: 400ppm.

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

CARCINOGENICITY

IARC: No

NTP: No

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA

COMMENTS: Isopropanol is on the TSCA Section 4(e) ITC Priority List, is the subject of a TSCA Section 8(a)/ 40 CFR 712 Preliminary Assessment Information Rule, is the subject of a TSCA CHIP, is the subject of a NIOSH Criteria Document, is the subject of a NIOSH Current Intelligence Bulletin, and is a SARA Title II Section 313 Toxic Chemical.

Methanol is the subject of a TSCA CHIP, a NIOSH Criteria Document, A NIOSH Current Intelligence Bulletin, is a CERCLA Hazardous Substance (RQ= 5000#/2270kg.), is listed under RCRA (U154), and is a

SARA Title III Section 313 Toxic Chemical

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: Not Available

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Incinerate. 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

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Isopropanol

TECHNICAL NAME: (Isopropanol)

PRIMARY HAZARD CLASS/DIVISION: 3

UN/NA NUMBER: 1219

PACKING GROUP: II

NAERG: 27

15. REGULATORY INFORMATION

UNITED STATES

DOT LABEL SYMBOL AND HAZARD CLASSIFICATION



Flammable Liquid

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA STATUS: Components are 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

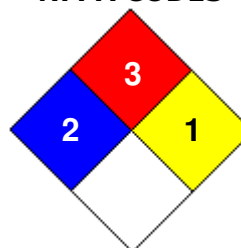
INFORMATION CONTACT: jtelepchak@unitedchem.com

REVISION SUMMARY: New MSDS

HMIS RATING

HEALTH:	*	2
FLAMMABILITY:		3
PHYSICAL HAZARD:		1
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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