



## ROUTES OF EXPOSURE

### EXPOSURE STANDARDS

No standards established for the product.

### HEALTH HAZARDS:

Mild eye irritant  
Mild skin irritant

### TARGET ORGANS

None known

### SIGNS AND SYMPTOMS OF EXPOSURE (Acute effects)

Contact with eyes causes mild irritation and discomfort.  
Contact with skin causes mild irritation and discomfort.

### SIGNS AND SYMPTOMS OF EXPOSURE (Possible Longer Term Effects)

Repeated and/or prolonged exposures may result in no known effects.

### MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

None known

### IRRITATION EFFECTS DATA

No irritation data are known for this product.

### ACUTE TOXICITY EFFECTS DATA

Oral LD50 (rat): >5000 mg/kg  
Dermal LD50 (rabbit): >2000 mg/kg

### OTHER ACUTE EFFECTS

No Data

### CHRONIC/SUBCHRONIC DATA

No delayed, subchronic or chronic test data are known

## SECTION 4 - FIRST AID

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### EYE CONTACT

Hold eyelids apart and immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

### SKIN CONTACT

Wash affected area with soap and water. Remove contaminated clothing and shoes. Wash before reuse.

### INHALATION

Move patient to fresh air. If breathing has stopped or is labored give assisted respiration (e.g. mouth-to-mouth). Supplemental oxygen may be indicated.

There has been no clinical experience with overexposure via the respiratory route.

## INGESTION

If swallowed, call a physician immediately. Induce vomiting or remove stomach contents by gastric suction only as directed by medical personnel. Never give anything by mouth to an unconscious person.

## SECTION 5 - FIRE AND EXPLOSION DATA

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### CHARACTERISTICS:

Flash Point	>350F (176.8C)
Upper Explosion Limit (UEL)	No Data
Lower Explosion Limit (LEL)	No Data
Autoignition Temperature	No Data
Flash Point Method(s)	Closed cup
Fire Hazard Classification (OSHA/NFPA)	Combustible Liquid, Class IIIB

### EXTINGUISHING MEDIA

Ignition will give rise to a Class B fire. In case of fire use Water Spray, Carbon Dioxide (CO<sub>2</sub>), Dry Chemical or Alcohol Foam.

### SPECIAL FIRE FIGHTING PROCEDURES

Retain expended liquids from fire fighting for later disposal. Water spray is also useful in cooling fire-exposed tanks and in dispersing vapors. Firefighters should wear butyl rubber boots, gloves, and body suit and a self-contained breathing apparatus.

### UNUSUAL FIRE AND EXPLOSION HAZARDS

May generate toxic or irritating combustion products. Sudden reaction and fire may result if product is mixed with an oxidizing agent.

## SECTION 6 - REACTIVITY HAZARD DATA

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### CHEMICAL STABILITY

Stable

### CONDITIONS TO AVOID (if unstable)

Reacts with water to form carbon dioxide.

### INCOMPATIBILITY (Materials to Avoid)

Oxidizing Agents (i.e. perchlorates, nitrates etc.)  
Water, steam

### HAZARDOUS DECOMPOSITION PRODUCTS (from burning, heating, or reaction with other materials)

Carbon Monoxide in a fire  
Hydrogen Cyanide when heated  
Nitrogen Oxides in a fire

## HAZARDOUS POLYMERIZATION

Will not occur

CONDITIONS TO AVOID (if polymerization may occur)

NFPA Reactivity Rating

## SECTION 7 - SPILL, LEAK AND WASTE DISPOSAL INFORMATION

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### CONTAINMENT TECHNIQUES (Removal of ignition sources, diking etc)

Ventilate the space involved.

Shut off or remove all ignition sources.

Stop the leak, if possible.

### CLEAN-UP PROCEDURES

If recovery is not feasible, admix with dry soil, sand or non-reactive absorbent and place in a container or dumpster pending disposal. Prepare a decontamination solution of 0.2-5% liquid detergent and 3-8% concentrated ammonium hydroxide in water. Treat spill area with decontamination solution, using about 10 parts of the solution for each part of the spill and allow it to react for at least 10 minutes for trace amounts and 48 hours for large spills. Neutralize the waste. Carbon dioxide will evolve, leaving insoluble polyureas.

### OTHER EMERGENCY ADVICE

Avoid skin contact. Wear protective clothing.

### WASTE DISPOSAL:

Comply with all Federal, State and Local Regulations.

Stir the isocyanate waste into the decontamination solution as above. Neither the liquid nor the solid is a hazardous waste. Fill waste drum with above solution and let sit unsealed for 48 hours. Rinse container three times and puncture or otherwise destroy before disposal.

### ENVIRONMENTAL EFFECTS

No Data

## SECTION 8 - PERSONAL PROTECTION/EXPOSURE CONTROLS

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### EYE PROTECTION:

Chemical safety glasses or Splash-proof eye goggles.

### HAND PROTECTION:

Cuffed butyl rubber gloves

### RESPIRATORY PROTECTION

Not required under normal conditions. In poorly ventilated areas, a cartridge mask National Institute for Occupational Safety and Health (NIOSH) approved for organic vapors is recommended.

#### PROTECTIVE CLOTHING

Appropriate protective clothing.

#### ENGINEERING CONTROLS

Adequate general and local exhaust.

#### WORK AND HYGIENIC PRACTICES

Wash at the end of each workshift and before eating, smoking or using the toilet.

Laundry or discard contaminated clothing.

Wash promptly if skin becomes contaminated.

#### SECTION 9 - STORAGE AND HANDLING

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##### STORAGE

Store under inert atmosphere.

Keep away from oxidizers, heat or flames.

##### HANDLING

Avoid contact with skin or eyes.

##### OTHER PRECAUTIONS

Emergency showers and eye wash stations should be readily accessible.

Adhere to work practice rules established by government regulations (e.g. OSHA).

#### SECTION 10 - TYPICAL PHYSICAL AND CHEMICAL PROPERTIES

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PHYSICAL FORM	Viscous liquid
COLOR	Straw yellow
ODOR	Odorless

##### TYPICAL PHYSICAL DATA

pH	No Data
VAPOR PRESSURE (mm Hg)	<0.5
VAPOR DENSITY (Air = 1)	No Data
BOILING POINT	No Data
FREEZING/MELTING POINT	120-140F
SOLUBILITY IN WATER	Reacts slightly with water
SPECIFIC GRAVITY (Water = 1)	0.98 @ 70C
EVAPORATION RATE (Butylacetate = 1)	No Data
VISCOSITY (CPS):	6000 @ 40C 1500 @ 70C
MOLECULAR WEIGHT	3100

#### SECTION 11 - TRANSPORTATION INFORMATION

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UN No.  
DOT SHIPPING NAME (Nonbulk) Resin Compound  
(Tanktruck) Chemicals N.O.I.

IMO SHIPPING NAME        No Data  
IATA SHIPPING NAME      Chemicals, NOS (Polyurethane Prepolymer)

**SECTION 12 - U.S. FEDERAL REGULATIONS**

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**TOXIC SUBSTANCES CONTROL ACT (TSCA)-**

All components are included in the EPA Toxic Substances Control Act (TSCA) Chemical Substance Inventory

OSHA Hazard Communication Standard (29CFR1910.1200) hazard class(es)  
None

EPA SARA Title III Section 312 (40CFR370) hazard class  
None

EPA SARA Title III Section 313 (40CFR372) toxic chemicals above "de minimis" level are

None

**SECTION 13 - STATE REGULATIONS**

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Proposition 65 substance(s) listed by the state of California under the "Safe Drinking Water and Toxic Enforcement Act of 1986"

None

New Jersey Trade Secret Registry Number(s)  
None

**SECTION 14 - INTERNATIONAL REGULATIONS**

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**CANADA**

**REGULATORY**

DSL                      Included on Inventory  
WHMIS Hazard Classification      None  
WHMIS Trade Secret Registry Number(s)      None  
WHMIS HAZARDOUS INGREDIENTS      None

**LABELING**

WHMIS Symbol      None

**EUROPEAN ECONOMIC COMMUNITY (EEC)**

**REGULATORY**

EINICS Master Inventory      Polymeric substance: status not determined

**LABELING**

EEC SYMBOL                      None  
EEC Council Directives relating to the classification, packaging and labeling of dangerous substances and preparations Risk (R) and Safety (S) phrases