

MATERIAL SAFETY DATA SHEET

PRODUCT # **UR-2139 B**

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Supplier name: American Chemical, Inc.
Address: 2201 North 2nd Street
Minneapolis, MN 55411
Phone: (612) 374-1767
Product Name: UR-2139 B
Product Description: Isocyanate Based Product

SECTION 2 – COMPOSITION/INFORMATION ON INGREDIENTS

Unlisted ingredients are not ‘hazardous’ per the Occupational Safety and Health Administration Hazard Communication Standard (29 CFR 1910.01200) and/or are not found on the Canadian Workplace Hazardous Materials Information Systems ingredient disclosure list. See Section 8 for any additional exposure limit guidelines.

Chemical name	CAS #	Percent	OSHA PEL
Methylene bisphenyl diisocyanate	101-68-8	70 – 100	Ceiling 0.02 ppm
Triethyl phosphate	78-40-0	1 – 5	Not established

SECTION 3 – HAZARDS IDENTIFICATION

Emergency Overview: Moderate eye irritant. Can cause skin irritation. May cause allergic skin reaction. May cause an allergic respiratory reaction. Harmful if swallowed.

HMIS Rating: Health – 2 Flammability – 1 Reactivity – 0
See Section 8: Exposure controls/personal protection for personal protective equipment recommendations.

Potential Health Effects:
Eye: Can cause moderate irritation, tearing and reddening, but not likely to permanently injure eye tissue.
Skin: Can cause skin irritation. May cause sensitization.
Inhalation: Can cause minor respiratory irritation. Other possible symptoms include; wheezing and coughing due to pulmonary edema (fluid build-up in lungs). May cause allergic respiratory reaction.
Ingestion: Ingestion is not an anticipated route of exposure. Harmful if swallowed. Irritating to mouth, throat, and stomach.

Long-Term (Chronic) Health Effects:
Chronic: May cause tumors based on tests with laboratory animals
Target Organ(s): Lungs skin central nervous system
Regulated Carcinogen Status: Unless noted below, this product does not contain regulated levels of NTP, IARC, ACGIH, or OSHA listed carcinogens.
Existing Health Conditions Affected by Exposure: Persons with existing asthmatic conditions may experience difficulty breathing. Persons who have been sensitized to isocyanates may experience symptoms at very low exposure levels.

SECTION 4 – FIRST AID MEASURES

If in Eye: Flush eye with plenty of water for at least 20 minutes retracting eyelids often. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Get immediate medical attention.

If On Skin: Wash with soap and water. Get medical attention if irritation develops or

If Vapors Inhaled:
If Swallowed:

persists.
Remove to fresh air. Call a physician if symptoms persist.
Do not induce vomiting. Seek medical attention immediately. Drink two glasses of water or milk to dilute. Do not give anything by mouth to an unconscious person. Induce vomiting as a last measure. Induced vomiting may lead to aspiration of the material into the lungs potentially causing chemical pneumonitis that may be fatal.

SECTION 5 – FIRST FIGHTING MEASURES

Flash Point: > 204 C (400 F) Cleveland Closed Cup.
Auto Ignition Temperature: Not established
Lower Explosive Limit (% in air): Not established
Upper Explosive Limit (% in air): Not established
Extinguishing Media: Use water spray, foam, dry chemical or carbon dioxide
Unusual Fire and Explosion Hazards: Material will burn in a fire.
Special Fire Fighting Instructions: Person exposed to products of combustion should wear self-contained breathing apparatus and full protective equipment.
Hazardous Combustion Product: Carbon dioxide, Carbon monoxide Nitrogen containing gases Hydrogen cyanide

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Special Protection: Exposure to the spilled material may be irritating or harmful. Follow personal protective equipment recommendations found in Section 8 of this MSDS. Additional precautions may be necessary based on special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred.
Clean-Up: Dike if necessary, contain spill with inert absorbent and transfer to containers for disposal. Keep spilled product out of sewers, watersheds, or water systems. Cover with absorbent material. Place in open topped container. Remove to well-ventilated area and treat with aqueous ammonia.
Transport Emergency Phone Number (CHEMTREC): 1-800-424-9300

SECTION 7 – HANDLING AND STORAGE

Handling: Harmful or irritating material. Avoid contacting and avoid breathing the material. Use only in a well ventilated area. Moisture contamination in closed containers may produce carbon dioxide gas pressure.
Storage: Store in a cool, dry place.
Consult the Technical Data Sheet for specific storage instructions.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye Protection: Wear safety glasses with side shields when handling this product. Wear additional eye protection such as chemical splash goggles and/or face shield when the possibility exists for eye contact with splashing or spraying liquid, or airborne material. Have an eye wash station available.
Skin Protection: Avoid skin contact by wearing chemically resistant gloves.
Gloves: Nitrile
Respiratory Protection: Respiratory protection may be required to avoid overexposure when handling this product. Use a respirator if general room ventilation is not available or sufficient to eliminate symptoms. Use supplied-air respiratory equipment as required. Respirators should be selected by and used following requirements found in OSHA's respirator standard (29 CFR 1910.134).
Ventilation: Use local exhaust ventilation or other engineering controls to minimize exposures.

Exposure Limits:	ACGIH Exposure Limits	AIHA WEEL
Chemical Name		
Methylene bisphenyl diisocyanate	TWA 0.005 ppm	Not established
Triethyl phosphate	Not established	Not established

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Color:	Amber
Odor:	Neutral
Odor Threshold:	Not established
Weight per Gallon:	10.1 lbs.
Specific Gravity:	1.21
% solids by Weight:	100.0
pH:	Not established
Boiling Range:	Not established
Freezing/Melting Point:	Not established
Vapor Pressure:	Not established
Vapor Density:	Not established
Evaporation Rate:	Not established
Octanol/Water Coefficient:	Not established

SECTION 10 - STABILITY AND REACTIVITY

Stability:	Stable under normal conditions
Chemical Incompatibility:	Water Alcohols Amines Strong acids Strong alkalis
Hazardous Decomposition:	Carbon monoxide, carbon dioxide Nitrogen containing gases Hydrogen cyanide
Hazardous Polymerization:	Will not occur

SECTION 11 – TOXICOLOGICAL INFORMATION

Chemical Name	LD50/LC50
Methylene bisphenyl diisocyanate	Oral LD50 Rat 9200 mg/kg Inhalation LC50 Rat 178 mg/cu m (no duration specified)
Triethyl phosphate	Oral LD50 Rat = 1165 mg/kg
Toxicology Summary:	No additional health information available

SECTION 12 – ECOLOGICAL INFORMATION

Overview:	No ecological information available
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SECTION 13 – DISPOSAL CONSIDERATIONS

It is our opinion that this product does not meet the definition of hazardous waste under U.S. EPA Hazardous Waste Regulations 40 CFR 261. Dispose of waste material according to state, local or provincial regulations.

SECTION 14 – TRANSPORTATION INFORMATION

Consult Bill of Lading for transportation information	
DOT:	Not regulated
IATA:	Not regulated

SECTION 15 – REGULATORY INFORMATION

Inventory Status	
U.S. EPA TSCA:	This product is in compliance with the Toxic Substances Control Act's Inventory requirements.
European EINECS:	This product is in compliance with the European Inventory of Notified and Existing Chemical Substances requirements.

If you need more information about the inventory status of this product call 651-236-5858

Federal Reporting

EPA SARA Title III Section 313

Unless listed below, this product does not contain toxic chemical(s) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) and 40 CFR part 72. EPA has advised that when a percentage range is listed the midpoint may be used to fulfill reporting obligations.

Chemical Name	CAS#	%
Methylenebis (phenylisocyanate) (MDI)	101-68-8	70 – 100

WHMIS Status: Unless listed below, this product is not controlled under the Canadian Workplace Hazardous Materials Information Systems.

D2A D2B D1A

State Reporting:	This MSDS is not prepared for distribution in California
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SECTION 16 – OTHER INFORMATION

This Material Safety Data Sheet is prepared to comply with the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1710.1200) and the Canadian Workplace Hazardous Materials Information System (WHMIS).

