

M A T E R I A L S A F E T Y D A T A S H E E T

PREMIUM URETHANE REDUCER-MEDIUM

PRODUCT NAME: PREMIUM URETHANE REDUCER-MEDIUM
PRODUCT CODE: ZT-R502

HMIS CODES: H F R P
2* 3 0 G

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURED BY : ZOLATONE AIM
DIVISION OF ADVANCED REFINISH TECHNOLOGIES
ADDRESS : 850 LADD ROAD, BLDG. E
WALLED LAKE, MICHIGAN 48390
EMERGENCY PHONE : (800) 424-9300 DATE PRINTED: 11/11/2010
INFORMATION PHONE : (800) 810-2785 PREPARER NAME: MSDS COORDINATOR

SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS

1 ALIPHATIC PETROLEUM DISTILLATE
CAS# 64742-89-8
ALIPHATIC PETROLEUM DISTILLATES
PCT BY WT: 18.0000 LEL .90
EXPOSURE LIMIT:
ACGIH TLV-TWA 300 ppm
ACGIH TLV-STEL NO INFO
LD50(ORAL) 5840 mg/kg
LD50(DERMAL) 2920 mg/kg
LC50 10000 mg/m3
OTHER LIMITS:
EINECS 265-192-2

2 N-BUTYL ACETATE
CAS# 123-86-4
N-BUTYL ACETATE
PCT BY WT: 10.0000 LEL 1.40
EXPOSURE LIMIT:
ACGIH TLV-TWA 150 ppm
ACGIH TLV-STEL 200 ppm
OSHA PEL-TWA 150 ppm
COMPANY N.E.
OTHER LIMITS:
EINECS 204-658-1

3 METHYL ETHYL KETONE
CAS# 78-93-3
METHYL ETHYL KETONE
PCT BY WT: 33.0000 VAPOR PRESSURE: 85.000 MMHG @ 68F LEL 1.80
EXPOSURE LIMIT:
ACGIH TLV-TWA 200 ppm
ACGIH TLV-STEL 300 ppm
OSHA PEL-TWA 200 ppm
COMPANY N.E.
LD50(ORAL) 2737 mg/kg (rat)
LD50(DERMAL) 6480 mg/kg (rat)
LC50 23500 mg/m3 (rat)
OTHER LIMITS:
EINECS 201-159-0

4 GLYCOL ETHER PM ACETATE
CAS# 108-65-6
PROPYLENE GLYCOL METHYL ETHER ACETATE
PCT BY WT: 23.0000 VAPOR PRESSURE: 3.700 MMHG @ 68F LEL 1.30
EXPOSURE LIMIT:
ACGIH TLV-TWA NOT ESTABLISHED
ACGIH TLV-STEL NOT ESTABLISHED
LD50(ORAL) 8500 mg/kg (rat)
LD50(DERMAL) 5000 mg/kg (rat)
LC50 5321 mg/m3 (rat)
OTHER LIMITS:
EINECS 203-603-9

5 TOLUENE
CAS# 108-88-3
TOLUENE
PCT BY WT: 16.0000 VAPOR PRESSURE: 38.000 MMHG @ 68F LEL 1.40
EXPOSURE LIMIT:
ACGIH TLV-TWA 20 ppm
ACGIH TLV-STEL NO INFO
OSHA PEL-TWA 50 ppm
COMPANY N.E.
LD50(ORAL) 636 mg/kg (rat)
LD50(DERMAL) 14124 mg/kg (rabbit)
LC50 7523 mg/m3 (mouse)
OTHER LIMITS:
Prop 65-Developmental-01/01/91 EINECS 203-625-9

This substance is classified as a hazardous air pollutant.

This product contains no reported carcinogens or suspected
carcinogens.

SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:
Harmful if inhaled.
Causes eye irritation.
Causes skin irritation.
Vapors irritating to eyes and respiratory tract.
Flammable liquid and vapor.
EYE:
May cause severe corneal injury if liquid comes in contact with the eyes.
SKIN:
May cause skin irritation.
Prolonged or repeated contact can result in defatting and drying of the
skin which may result in skin irritation and dermatitis (rash).
Skin contact may aggravate an existing dermatitis.
INHALATION:
Exposure to high concentrations of vapors may cause dizziness, breathing
difficulty, headaches or respiratory irritation.
Extremely high concentrations may cause drowsiness, staggering,
confusion, unconsciousness, coma or death.
Excessive inhalation of vapors can cause nasal and respiratory
irritation.
Intentional misuse by deliberately concentrating and inhaling the
contents of this product can be harmful or fatal.
INGESTION:
Moderately toxic. May cause stomach discomfort, nausea, vomiting,
diarrhea, and narcosis.

Aspiration of material into the lungs if swallowed or if vomiting occurs can cause chemical pneumonitis which can be fatal.

CHRONIC EFFECTS:

Chronic overexposure to a component or components in this material has been found to cause the following effects in laboratory animals:

- Kidney damage
- Lung damage
- Liver damage
- Spleen damage
- Brain damage

Chronic overexposure to a component or components in this product has been suggested as a cause of the following effects in humans:

- Liver damage

Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Repeated breathing or skin contact of methyl ethyl ketone may increase the potency of neurotoxins such as hexane if exposures occur at the same time.

Breathing air containing n-butyl acetate, which results from its use in aerosol applications, may cause delayed lung injury.

Product contains toluene which may be harmful to the fetus based on animal studies.

Repeated exposure to toluene has been associated with high frequency hearing loss in laboratory animals. The human consequences of this finding is uncertain.

SECTION 4 - FIRST AID MEASURES

EYE CONTACT:

Immediately flush eyes with plenty of water. Get medical attention, if irritation persists.

SKIN CONTACT:

Wash thoroughly with soap and water and seek medical attention if irritation persists. Remove contaminated clothing. Launder contaminated clothing before reuse.

INHALATION:

For inhalation overexposure move person to fresh air. If breathing stops, apply artificial respiration and seek medical attention.

INGESTION:

Do not induce vomiting which can cause chemical pneumonitis and pulmonary edema. Contact a physician immediately.

SECTION 5 - FIRE FIGHTING MEASURES

FIRE AND EXPLOSIVE PROPERTIES OF THE PRODUCT:

Flashpoint	:	25.0	°F
Explosion Level	:	Low (LEL) -	.9
		High (UEL)-	13.1

EXTINGUISHING MEDIA:

Use Dry Chemical, Carbon Dioxide or Chemical Foam.

FIRE-FIGHTING PROCEDURES AND EQUIPMENT:

Full protective equipment including self-contained breathing apparatus to avoid inhalation of vapors should be used.

Water spray should not be used except to keep down vapors or cool closed containers to prevent build-up of pressure. If water is used, fog nozzles are preferred.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

CLEAN-UP AND CONTAINMENT:

Remove all sources of ignition. Avoid heat, sparks, flames and anything which could cause fire.

Ventilate area of spill and adjacent low lying areas. Avoid breathing

solvent vapors. Remove with inert absorbent materials and non-sparking tools.

SECTION 7 - HANDLING AND STORAGE

HANDLING:

Wash hands thoroughly after handling.

STORAGE:

Store in a cool dry area with ventilation suitable for storing materials shown in section 2.
Keep away from heat, sparks and flame.
Store in a cool place away from direct sunlight or any source of ignition. Do not store at temperatures above 120 degrees F.

SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

ENGINEERING CONTROLS:

Sufficient ventilation, in volume and pattern, should be provided to keep air contamination below current applicable OSHA permissible exposure limit or ACGIH's TLV limit.

RESPIRATORY PROTECTION:

If workplace exposure limits are exceeded for any component(see section 2 for hazardous components and exposure limits), a NIOSH/OSHA approved respirator suitable for components listed is recommended.

SKIN PROTECTION:

Chemical resistant plastic or rubber gloves recommended for prolonged or repeated contact.

EYE PROTECTION:

Chemical goggles with side shields or face shield recommended if contact with the eyes is likely.

OTHER PROTECTIVE EQUIPMENT:

Appropriate impervious clothing is recommended if prolonged or repeated contact is likely.

HYGIENIC PRACTICES:

Wash hands before eating or smoking. Smoke in designated areas only.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Vapor Pressure	:	85.00	mm Hg @ 20 C
Vapor Density	:	-N/A	
Boiling Range	:	Lower - 175.0	øF
		Higher - 302.0	øF
Specific Gravity	:	.837	
Formula weight per volume	:	6.9664	LB/GL
VOC (Calculated, LB/GAL)	:	6.966	
VOC (Calculated, GM/L)	:	834.73	
Percent Volatile by Weight	:	99.9999	
Percent Volatile by Volume	:	100.0004	
Evaporation Rate	:	4.600	(n-Butyl Acetate = 1)
Viscosity	:	-N/A	

SECTION 10 - STABILITY AND REACTIVITY

CONDITIONS TO AVOID:

Avoid contact with heat, sparks, and open flame.

INCOMPATIBILITIES:

Strong oxidizing agents.

DECOMPOSITION:

Thermal decomposition may produce carbon dioxide, carbon monoxide, and unidentifiable organic materials.

POLYMERIZATION:

No hazardous polymerization will occur under normal conditions.

STABILITY:

The product is stable under normal storage conditions.

SECTION 11 - TOXICOLOGICAL INFORMATION

No specific information is available. Please refer to Section 2 and 3 for available information on exposure limits and hazards identification.

SECTION 12 - ECOLOGICAL INFORMATION

No specific ecological information is available for this product.

SECTION 13 - DISPOSAL CONSIDERATIONS

WASTE DISPOSAL:

Place in closed containers. Dispose of product in accordance with local, county, state, and federal regulations.

SECTION 14 - TRANSPORT INFORMATION

Ground shipment of limited or excepted quantities of aerosols or liquid paint in containers of 1 quart or less:

CONSUMER COMMODITY, ORM-D

Ground shipment of liquid paint in containers more than 1 quart:

PAINT, FLAMMABLE LIQUID, UN1263, CLASS 3, GROUP II
(Regulatory sources: DOT 49CFR 172.101)

Air shipment of limited or excepted quantities of aerosols or liquid paint in containers of 1 quart or less:

CONSUMER COMMODITY, ID 8000, CLASS 9 MISCELLANEOUS LABEL

(Regulatory sources: IATA Quantity Exemptions - Table 2.8.4, 2.7.A, 2.7.5, Packaging Instruction: 910)

OR

AEROSOLS, FLAMMABLE, UN1950, CLASS 2.1 LABEL

(Regulatory sources: IATA Quantity Exemptions - Table 2.8.1, 2.8.4, Packaging Instruction: Y203)

SECTION 15 - REGULATORY INFORMATION

SARA 313 INFORMATION:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

TOLUENE

CAS# 108-88-3 PCT BY WT: 15.5760

FEDERAL REGULATIONS:

TOXIC SUBSTANCES CONTROL ACT: The chemical substances in this product are listed on the TSCA Section 8 inventory.

STATE REGULATIONS:

This product contains chemical(s) which are listed on California's proposition 65 list. If the product is to be sold or used in California a clear and reasonable warning must be provided such as:

warning! This product contains a chemical or chemicals known to the State of California to cause birth defects or other reproductive harm.

NEW JERSEY RIGHT-TO-KNOW

No non-hazardous ingredients are among the top five ingredients

PENNSYLVANIA RIGHT-TO-KNOW

No non-hazardous ingredients are present greater than 3%

INTERNATIONAL REGULATIONS:

CANADA: The chemical substances in this product are listed on the

SECTION 16 - OTHER INFORMATION

The information contained on this MSDS is believed to be reliable and accurate. Due to the changing nature of government information, it is impossible to guarantee the accuracy of the information contained herein. Since the conditions of handling and use are beyond our control, we make no guarantee of results and assume no liability for damages incurred by the use of this material. This information should not be regarded as legal advice or regulation. It is the responsibility of the user to comply with all Federal, State, and Local laws and regulations. For questions relating to specific aspects of the requirements and regulations consult the proper regulatory agency.

HMIS RATINGS:

HEALTH: 2* FLAMMABILITY: 3 REACTIVITY: 0 PERSONAL PROTECTION: G

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