

ZOLATONE®

AUTOMOTIVE • INDUSTRIAL • MARINE

Material Safety Data Sheet

HMIS Rating:

Health: 2* Flammability: 3 Reactivity: 0

SECTION I - MANUFACTURER IDENTIFICATION

Product Name: Wet Look Hardener
Product Code: ZT-A400
Product Use Description: Hardener
Distributed by: Zolatone AIM
Division of Advanced Refinish Technologies
850 Ladd Road, Building E
Walled Lake, Michigan 48390

Emergency Telephone: (Chemtrec) (800) 424-9300
Information Telephone: (800) 810-2785
Preparer: MSDS Coordinator
MSDS Version: 0 (Zero)
Prepared on: February 5, 2010

SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION

REPORTABLE COMPONENTS	CAS NUMBER	VAPOR PRESSURE mm Hg @ TEMP		WEIGHT PERCENT
hexamethylene diisocyanate polymer	28182-81-2	N/A	N/A	40%-50%
ethyl acetate	141-78-6	86	68 F	14.34
ACGIH TLV: 400 ppm TWA				
OSHA PEL: 400 ppm TWA				
n-BUTYL ACETATE	123-86-4	8.4	68 F	12.6
ACGIH TLV TWA: 150 ppm				
ACGIH TLV STEL: 200 ppm				
OSHA VPEL TWA: 150 ppm				
OSHA VPEL STEL: 200 ppm				
isocyanate polymer	53880-05-0			5%-15%
isobutyl isobutyrate	97-85-8	0.11812	68 F	0%-10%
* pseudocumene	95-63-6	1.58	68 F	1.58
ACGIH TLV: 25 ppm TWA				
OSHA PEL: 25 ppm TWA				
NIOSH: 25 ppm TWA				
NIOSH: 125 mg/m3 TWA				
acetic acid, 2-ethylhexyl ester	103-09-3	0.4	68 F	0%-10%
XYLENES	1330-20-7	5.10	68 F	.18
ACGIH TWA 100 ppm				
ACGIH STEL 150 ppm				
OSHA TWA 100 ppm				
OSHA STEL 150 ppm				
{N120} hexamethylene diisocyanate	822-06-0	0.0003	77 F	<1%
ACGIH TLV: 0.005 ppm TWA				
ACGIH TLV: 0.34 mg/m3 TWA				
NIOSH: 0.005 ppm TWA				
NIOSH: 35 ug/m3 TWA				
cumene	98-82-8	8.0	68 F	.08
OSHA PEL: 50 ppm TWA SKIN				
ACGIH TLV: 50 ppm TWA SKIN				

ZOLATONE®

AUTOMOTIVE • INDUSTRIAL • MARINE

Material Safety Data Sheet

ETHYL BENZENE 100-41-4 5.1 68 F .03
OSHA PEL: 100 ppm TWA
ACGIH TVL: 100 ppm TWA

* Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING RANGE: 172 F - 390.2 F SPECIFIC GRAVITY (H2O=1): 1.03
VAPOR DENSITY: Heavier than air EVAPORATION RATE: Slower than ether
V.O.C. grams/liter: 449.53 V.O.C. lbs/gl: 3.75
SOLUBILITY IN WATER: Insoluble SOLIDS BY VOLUME: 49.411
APPEARANCE AND ODOR: Clear liquid with organic solvent odor

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 24 F METHOD USED: TAGCC
FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: 0.8 UPPER: 15.0

EXTINGUISHING MEDIA: Foam, Carbon Dioxide, Dry Chemical, Water Fog

SPECIAL FIREFIGHTING PROCEDURES

Full protective equipment, including self contained breathing apparatus, is recommended. Water from fog nozzles may be used to cool closed containers to prevent pressure build up.

UNUSUAL FIRE AND EXPLOSION HAZARDS

When heated above flashpoint, emits flammable vapors which, when mixed with air, can burn or become explosive. Fine mists or sprays may be flammable below the flash point.

SECTION V - REACTIVITY DATA

STABILITY: Stable

CONDITIONS TO AVOID

Avoid all sources of ignition

INCOMPATIBILITY (MATERIALS TO AVOID)

Water, strong acids, bases, alcohols, amines and oxidizing materials

HAZARDOUS DECOMPOSITION OR BYPRODUCTS

Carbon Dioxide, Carbon Monoxide and Isocyanate vapors.

HAZARDOUS POLYMERIZATION: Will not occur

ZOLATONE®

AUTOMOTIVE • INDUSTRIAL • MARINE

Material Safety Data Sheet

===== SECTION VI - HEALTH HAZARD DATA =====

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

May cause nose and throat irritation. Repeated and prolonged exposure to organic solvents may lead to permanent brain and nervous system damage. Eye watering, headaches, nausea, dizziness, and loss of coordination are signs that solvent levels are too high. Exposure to isocyanates may cause sensitization. This effect may be permanent. Repeated exposure to isocyanates may result in a decrease in lung function that may be permanent. Individuals with breathing problems or have had a prior reaction to isocyanates must not be exposed to this product. If affected by inhalation, remove to fresh air. If breathing difficulty persists, consult a physician.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE

May cause irritation or burning of the eyes. Repeated and prolonged skin contact may cause skin irritation or dermatitis. In case of eye contact, immediately flush eyes with plenty of water for at least 15 minutes; call a physician. In case of skin contact, wash with soap and water. If irritation occurs, contact a physician.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Gastrointestinal distress. In the unlikely event of ingestion, call a physician immediately and have the names of all ingredients available.

HEALTH HAZARDS (ACUTE AND CHRONIC)

ACUTE- Dizziness, irritation of the respiratory tract, weakness, nausea, or possible narcosis or even asphyxiation. May be accompanied by coughing, labored breathing, tightness in chest, and asthma-like symptoms.

CHRONIC- Overexposure to isocyanates can lead to lung sensitization and allergic respiratory reaction. Effects may be permanent. Allergic reaction may occur in sensitized individuals at below recommended exposure limit. Reports have linked organic solvents with brain and nervous system damage.

CARCINOGENICITY: NTP CARCINOGEN: No IARC MONOGRAPHS: No

PROPOSITION 65 STATEMENT: WARNING! This product contains a chemical or chemicals known to the state of California to cause cancer and/or birth defects or other reproductive harm.

OSHA REGULATED: Yes

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

Do not use this product if you have chronic lung or breathing problems, or if you have ever had a reaction to isocyanates.

EMERGENCY AND FIRST AID PROCEDURES

If ingestion, or any type of overexposure or symptoms of overexposure occur during the use of this product, contact a poison control center, emergency room or physician immediately; have material safety data sheet available.

ZOLATONE®

AUTOMOTIVE • INDUSTRIAL • MARINE

Material Safety Data Sheet

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Remove all sources of ignition (sparks, flames, and hot surfaces). Avoid breathing vapors. Ventilate area. Remove with an inert absorbent and non-sparking tools.

WASTE DISPOSAL METHOD

Dispose in accordance with state, federal and local regulations. Do not incinerate closed containers.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Keep containers tightly closed in a cool, dry, well ventilated area away from all possible ignition sources. Store large quantities of material in buildings designed for the storage of flammable liquids.

OTHER PRECAUTIONS

Employees should be trained in safety measures that should be taken when using this product.

SECTION VIII - CONTROL MEASURES

RESPIRATORY PROTECTION

Avoid breathing vapors or spray mist. Wear a properly fitted respirator approved by NIOSH/MSHA (TC-23c) for use with paints during application and until all vapors are exhausted. In confined areas, or where continuous spray operations are typical, or proper respirator fit is not possible, wear a positive-pressure supplied air respirator (TC-19c). In all cases follow respirator manufactures directions for respirator use. Do not allow anyone without protection into the painting area.

VENTILATION

Provide sufficient ventilation to keep contaminates below applicable OSHA requirements.

PROTECTIVE GLOVES

Neoprene gloves impervious to organic solvents are recommended.

EYE PROTECTION

Use safety eyewear designed to protect against liquid splash.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

Impervious coveralls are recommended.

WORK/HYGIENIC PRACTICES

Eye wash and safety showers in the work place are recommended. Wash hands before eating and smoking.

SECTION IX - DISCLAIMER

The information contained in this material safety data sheet is information from our suppliers and other sources. It is believed to be reliable. This data is not to be taken as a warranty or representation for which this company assumes legal responsibility.