

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

EURO DESIGN HARDENER - MEDIUM

Page: 1  
1/5/2010

PRODUCT NAME: EURO DESIGN HARDENER - MEDIUM  
PRODUCT CODE: AH-402-2.5L

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

===== SECTION I - MANUFACTURER IDENTIFICATION =====

MANUFACTURED BY : MATRIX SYSTEM Automotive Finishes, Inc.  
ADDRESS : 850 Ladd Rd., Bldg. E  
Walled Lake, MI 48390

EMERGENCY PHONE : (800)424-9300      DATE PRINTED : 1/5/2010  
INFORMATION PHONE : (800)-735-0303      PREPARER NAME: MSDS Coordinator

===== SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION =====

REPORTABLE COMPONENTS	CAS NUMBER	VAPOR PRESSURE mm Hg @ TEMP	WEIGHT PERCENT
n-BUTYL ACETATE	123-86-4	8.4      68 F	38.48
ACGIH TLV TWA: 150 ppm			
ACGIH TLV STEL: 200 ppm			
OSHA VPEL TWA: 150 ppm			
OSHA VPEL STEL: 200 ppm			
hexamethylene diisocyanate polymer	28182-81-2	N/A      N/A	25%-35%
isocyanate polymer	53880-05-0		15%-25%
light aromatic petroleum solvent	64742-95-6	4      68 F	0%-10%
* pseudocumene	95-63-6	1.58      68 F	2.54
ACGIH TLV: 25 ppm TWA			
OSHA PEL: 25 ppm TWA			
NIOSH: 25 ppm TWA			
NIOSH: 125 mg/m3 TWA			
XYLENES	1330-20-7	5.10      68 F	.12
ACGIH TWA 100 ppm			
ACGIH STEL 150 ppm			
OSHA TWA 100 ppm			
OSHA STEL 150 ppm			
cumene	98-82-8	8.0      68 F	.05
OSHA PEL: 50 ppm TWA SKIN			
ACGIH TLV: 50 ppm TWA SKIN			
{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			
ETHYL BENZENE	100-41-4	5.1      68 F	.02
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.  
N/A

===== SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS =====

BOILING RANGE: 201.2 F - 334.4 F	SPECIFIC GRAVITY (H2O=1): 1.01
VAPOR DENSITY: Heavier than air	EVAPORATION RATE: Slower than ether
V.O.C. grams/liter: 470.12	V.O.C. lbs./gal.: 3.92
SOLUBILITY IN WATER: Insoluble	SOLIDS BY VOLUME: 46.388



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.

===== 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.