

HEMPEL COATINGS USA, INC. -- CURING AGENT -- 8010-01-316-6741

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Product Identification  
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Product ID:CURING AGENT  
MSDS Date:01/13/1999  
FSC:8010  
NIIN:01-316-6741  
Status Code:A  
MSDS Number: CLPRL  
=== Responsible Party ===  
Company Name:HEMPEL COATINGS USA, INC.  
Address:6901 CAVALCADE  
City:HOUSTON  
State:TX  
ZIP:77028  
Country:US  
Info Phone Num:713-672-6641  
Emergency Phone Num:713-672-6641  
Prepar  
er's Name:ERNEST CARTER  
Chemtrec Ind/Phone:(800)424-9300  
CAGE:UO333

==== Contractor Identification ====

Company Name:HEMPEL COATINGS USA, INC.  
Address:6901 CAVALCADE  
Box:City:HOUSTON  
State:TX  
ZIP:77028  
Country:US  
Phone:713-672-6641  
CAGE:UO333

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Composition/Information on Ingredients  
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Ingred Name:POLYAMINE EPOXY HARDENER  
Minumum % Wt:10.  
Maxumum % Wt:20.

Ingred Name:TALC  
CAS:14807-96-6  
RTECS #:WW2710000  
Minumum % Wt:30.  
Maxumum % Wt:45.  
OSHA PEL:SEE TABLE Z-3  
ACGIH TLV

:2 MG/M3

Ingred Name:XYLENE

CAS:1330-20-7

RTECS #:ZE2100000

Minumum % Wt:10.

Maxumum % Wt:20.

ACGIH TLV:434 MG/M3;100 PPM

ACGIH STEL:651 MG/M3;150 PPM

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

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===== Hazards Identification =====

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Health Hazards Acute and Chronic:LIQUID MAY CAUSE EYE AND SKIN BURNS,  
IRRITATION OF NOSE AND RESPIRATORY TRACT, ALLERGIC SKIN/  
RESPIRATORY SENSITIZATION; HARMFUL IF SWALL

OWED, INHALED. MAY CAUSE

SKIN IRRITATION. REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED  
EXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM  
DAMAGE. CAN CAUSE CENTRAL NERVOUS SYSTEM DEPRESSION. MAY EFFECT  
BRAIN OR NERVOUS SYSTEM CAUSING DIZZINESS, HEADACHE OR NAUSEA.  
XYLENE AND TOLUENE HAVE CAUSED HEARING LOSS IN RATS.

Effects of Overexposure:INHALATION: IRRITATION OF RESPIRATORY TRACT OR  
NERVOUS SYSTEM DEPRESSION PRODUCTING AFFECTS AS GIDDINESS,  
HEADACHE,

DIZZINESS, NAUSEA, LOSS OF CONSCIOUSNESS. IF SEVERE,  
DEATH MAY OCCUR. EYE: IRRITATION; SKIN: SENSITIVITY RESULTS IN  
ALLERGIC DERMATITIS WHICH MAY CAUSE IRRITATION, RASH, ITCHING,  
HIVES, SWELLING OF EXTREMEITIES.

Medical Cond Aggravated by Exposure:PREEXISTING EYE, SKIN, RESPIRATORY  
DISORDERS MAY BE AGGRAVATED BY ANY EXPOSURE TO THIS PRODUCT.

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===== First Aid Measures =====

First Aid:INHALATION: REMOVE VICTIM TO FRESH AIR.AND PROVIDE OXYGEN O  
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ARTIFICIAL RESPIRATION IF NEEDED. GET MEDICAL AID. SKIN:REMOVE  
CONTAMINATED CLOTHING. FLUSH WITH WATER. FOLLOW BY WASHING WITH  
ADDITIONAL SOAP AND WATER.GET MEDICAL AID. EYE: FLUSH WITH PLENTY  
OF WATER FOR AT LEAST 15 MINUTES.GET MEDICAL AID.

INGESTION:IMMEDIATELY CONSULT NEAREST MEDICAL AUTHORITY FOR  
INSTRUCTIONS.

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===== Fire Fighting Measures =====

Flash Point Method:TCC

Flash Point:=-26.7C, 80.F

Lower Limits:1.0%

Extinguishing Media

:FOAM, CO2, DRY CHEMICAL.

Fire Fighting Procedures:CONTAINERS THAT ARE EXPOSED TO INTENSE HEAT SHOULD BE COOLED WITH WATER. AVOID SPREADING BURNING LIQUID WITH THE WATER USED FOR COOLING PURPOSES. DO NOT ENTER FIRE AREA WITHOUT THE PROPER PROTECTION. WEAR SELF CONTAINED BREATHING APPARATUS AND PROTECTIVE GEAR. FIGHT FIRE FROM A SAFE DISTANCE OR A PROTECTED LOCATION. CS

Unusual Fire/Explosion Hazard:KEEP CONTAINERS TIGHTLY CLOSED. ISOLATE FROM HEAT, ELECTRICAL EQUIPMENT, SPARKS, AND OPEN FLAME, VAPORS MAY BE HEAVIER THAN AIR AND MAY TRAVEL ALONG THE GROUND BEFORE IGNITION/FLASHING BACK TO VAPOR SOURCE. KEEP WELDING OR CUTTING EQUIPMENT AWAY FROM PRODUCT. SPECIAL FIRE FIGHTING PROCEDURES: CONTAINERS THAT ARE EXPOS

===== Accidental Release Measures =====

Spill Release Procedures:SHUT OFF AND ELIMINATE ALL SOURCES. KEEP PEOPLE AWAY FROM SPILL. RECOVER ANY FREE PRODUCT. ADD SAND, EARTH OR OTHER SUITABLE ABSORBENT TO SPILL AREA. MINIMIZE BREATHING VAPORS AND SKIN CONTACT. VENTILATE CONFINED SPACES. KEEP PRODUCT OUT OF SEWERS AND PUBLIC WATERS.PLACE ABSORBED MATERIAL IN PROPERLY SEALED NON-LEAKING CONTAINERS FOR PROPER DISPOSAL.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:THE USE OF RESPIRATORY PROTECTION DEPENDS ON THE VAPOR CONCENTRATION ABOVE THE TLV-PEL. USE A NIOSH/MSHA APPROVED CARTRIDGE TYPE PARTICULATE/VAPOR RESPIRATOR OR AIR-SUPPLIED MASK IN CONFINED AREAS.

Ventilation:LOCAL EXHAUST MUST BE PROVIDED TO KEEP LEL AND OSHA PEL BELOW ACCEPTABLE LIMITS OF EXPOSURE.

Protective Gloves:SHOULD BE IMPERMEABLE AND MADE OF CHEMICALLY RESISTANT MATERIAL.

Eye Protection:SAFETY GLASSES, CHEMICAL GOGGLES/FACE SHIELDS RECOMMENDED.

Other Protective Equipment:USE AS NECESSARY DEPENDING UPON THE METHOD OF APPLICATION.

Supplemental Safety and Health

===== Physical/Chemical Properties =====

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Boiling Pt:B.P. Text:284.0-HI-280.0-LO-F  
Vapor Density:HEAVIER  
Evaporation Rate & Reference:SLOWER THAN ETHER  
Solubility in Water:NEGLIGIBLE  
Appearance and Odor:TYPICAL OF SOLVENTS USED  
Percent Volatiles by Volume:28

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES  
CONTACT WITH OXIDIZING AGENTS, WATER, ALCOHOLS, AMINES, STRONG BASES,  
METAL COMPOUNDS, SURFACE ACTIVE AGENTS.  
Stability Condition to Avoid:HEAT, FLAME, SPARKS  
AND CONTACT WITH  
OXIDIZING AGENTS.  
Hazardous Decomposition Products:COMBUSTION MAY GENERATE CARBON  
MONOXIDE, CARBON DIOXIDE, AND OTHER TOXIC VAPORS FROM ORGANIC  
COMPOUNDS.  
Conditions to Avoid Polymerization:WILL NOT OCCUR.

===== Disposal Considerations =====

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE,  
AND LOCAL REGULATIONS.

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