

DOW CHEMICAL U.S.A. -- D.E.H. (R) 52 EPOXY CURING AGENT -- 8040-01-356-9085

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Product Identification  
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Product ID:D.E.H. (R) 52 EPOXY CURING AGENT

MSDS Date:12/05/1990

FSC:8040

NIIN:01-356-9085

Status Code:A

MSDS Number: CLJMK

=== Responsible Party ===

Company Name:DOW CHEMICAL U.S.A.

City:MIDLAND

State:MI

ZIP:48674

Country:US

Info Phone Num:517-636-4400

Emergency Phone Num:517-636-4400

P

reparer's Name:HENRY SIMMONS

CAGE:71983

=== Contractor Identification ===

Company Name:DOW CHEMICAL U.S.A.

City:MIDLAND

State:MI

ZIP:48674

Country:US

Phone:517-636-4400

CAGE:71983

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Composition/Information on Ingredients  
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Ingred Name:POLYMER OF EPICHLOROHYDRIN, BISPHENOL A AND  
DIETHYLENETRIAMINE

CAS:31326-29-1

Minumum % Wt:70.

Maxumum % Wt:80.

Ingred Name:DIETHYLENETRIAMINE

CAS:111-40-0

RTECS #:IE1225000

Minumum % Wt:20.

Maxumum % Wt:30.

ACGIH TLV:4.2 MG/M3;1 PP

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Hazards Identification  
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Effects of Overexposure: EYE: MAY CAUSE SEVERE IRRITATION WITH CORNEAL INJURY WHICH MAY RESULT IN PERMANENT IMPAIRMENT OF VISION, EVEN BLINDNESS. SKIN CONTACT: SHORT, SINGLE EXPOSURE MAY CAUSE SKIN BURNS. DOT CLASSIFICATION: CORROSIVE. MAY CAUSE ALLERGIC SKIN REACTIONS IN SUSCEPTIBLE INDIVIDUALS. SKIN ABSORPTION: THE DERMAL LD50 HAS NOT BEEN DETERMINED. INGESTION: SINGLE DOSE TOXICITY IS MODERATE. THE ORAL LD50 IS RATS IS 252-500 MG/KG. INGESTION MAY CAUSE BURNS OF MOUTH AND THROAT. OBSERVATIONS IN ANIMALS INCLUDE LIVER AND KIDNEY INJURY. INHALATION: AT ROOM TEMPERATURE, EXPOSURES TO VAPORS ARE UNLIKELY DUE TO PHYSICAL PROPERTIES.

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First Aid Measures  
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First Aid: EYES: IMMEDIATE AND CONTINUOUS IRRIGATION WITH FLOWING WATER FOR AT LEAST 30 MINUTES IS IMPERATIVE, PROMPT MEDICAL CONSULTATION IS ESSENTIAL. SKIN: IN CASE OF CONTACT, IMMEDIATELY FLUSH SKIN WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES WHILE REMOVING CONTAMINATED CLOTHING AND SHOES. CALL A PHYSICIAN IF IRRITATION PERSISTS. WASH CLOTHING BEFORE REUSE. DESTROY CONTAMINATED SHOES. INGESTION: DO NOT INDUCE VOMITING. GIVE LARGE AMOUNTS OF WATER OR MILK IF AVAILABLE AND TRANSPORT TO MEDICAL FACILITY. INHALATION: REMOVE TO FRESH AIR IF EFFECTS OCCUR. CONSULT A PHYSICIAN.

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Fire Fighting Measures  
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Flash

Point Method:PMCC

Flash Point:=105.6C, 222.F

Lower Limits:2%

Upper Limits:6.7%

Extinguishing Media:FOAM, CO2, DRY CHEMICAL

Fire Fighting Procedures:NOT AVAILABLE

Unusual Fire/Explosion Hazard:WEAR POSITIVE PRESSURE, SELF-CONTAINED BREATHING APPARATUS.

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

Spill Release Procedures:SOAK UP IN ABSORBENT MATERIAL SUCH AS SAND AND COLLECT IN SUITABLE CONTAINERS.

RESIDUAL RESIN MAY BE REMOVED USING STREAM OR HOT SOAPY WATER.

SOLVENTS, ARE NOT

RECOMMEND FOR CLEANUP UNLESS THE RECOMMENDED EXPOSURE GUIDELINES AND SAFE

HANDLING PRACTICES FOR THE SPECIFIC SOLVENT ARE FOLLOWED. CONSULT APPROPRIATE

SOLVENT MSDS FOR HANDLING INFORMATION AND EXPOSURE GUIDELINES.

===== Handling and Storage =====

Handling and Storage Precautions:PRATICE CAUTION AND PERSONAL CLEANINESS. PREVENT EYE AND SKIN CONTACT. AVOID

BREATHING FUMES, IF GENERATED, FOR MORE COMPLETE INFORMATION, SEE DOW

BULLETIN ON

STORAGE, HANDLING, AND TOXICITY OF DOW EP OXY RESIN.

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

Respiratory Protection:USE AN APPROVED RESPIRATOR. SELECTION OF AIR-PURIFYING OR SUPPLIED-AIR WILL DEPEND ON THE SPECIFIC OPERATION AND THE POTENTIAL AIRBORNE CONCENTRATION OF THE MATERIAL. IN CONFINED OR POORLY VENTILATED AREAS, USE AN APPROVED POSITIVE PRESSURE, SELF-CONTAINED BREATHING APPARATUS.

Ventilation:USE ONLY WITH ADEQUATE VENTILATION.

LOCAL EXHAUST

VENTILATION MAY BE NECESSARY FOR SOME OPERATIONS

Eye Protection:USE CHEMICAL GOGGLES. USE FULL-FACE RESPIRATOR.

Other Protective Equipment:USE PROTECTIVE CLOTHING IMPERVIOUS TO THIS MATERIAL. SELECTION OF SPECIFIC ITEMS SUCH AS GLOVES, BOOTS, APRON, OR FULL-BODY SUIT WILL DEPEND ON OPERATION.

Supplemental Safety and Health

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

Spec Gravity:1.02

Solubility in Water:SLIGHT

Appearance and Odor:LIGHT YELLOW

LIQUID, AMINE ODOR

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

Stability Indicator/Materials to Avoid: YES

ACID, CHLORINATED HYDROCARBONS.

Stability Condition to Avoid: CAN AUTOIGNITE IN AIR AT APPROXIMATELY  
675F, (358C)

Hazardous Decomposition Products: NITROGEN OXIDE WHEN BURNED.

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

Waste Disposal Methods: BURN IN ADEQUATE INCINERATOR OR BURY IN  
LANDFILL, IN ACCORDANCE WITH LOCAL, STATE  
AND FEDERAL REGULATIONS.

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