

DOW CHEMICAL U S A -- D.E.H. (R) 52 EPOXY CURING AGENT -- 8040-00-181-7188

===== Product Identification =====

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

MSDS Date:02/15/1992

FSC:8040

NIIN:00-181-7188

MSDS Number: BPKSS

=== Responsible Party ===

Company Name:DOW CHEMICAL U S A

Address:2020 DOW CENTER BARSTOW BLDG

City:MIDLAND

State:MI

ZIP:48640

Country:US

Info Phone Num:517-636-4400

Emergency Pho

ne Num:517-636-4400

Preparer's Name:ROBERT FALK

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

===== Composition/Information on Ingredients =====

Ingred Name:POLYMER OF EPICHLOROHYDRIN, BISPHENOL A AND
DIETHYLENETRIAMINE

CAS:31326-29-1

Other REC Limits:NONE SPECIFIED

Ingred Name:DIETHYLENETRIAMINE

CAS:111-40-0

RTECS #:IE1225000

Other REC Limits:NONE SPECIFIED

ACGIH TLV

:1 PPM

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

LD50 LC50 Mixture:THEORAL LD50 RATS 252-500 MG/KG.

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

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:EYE: MAY CAUSE SEVERE IRRITATION

W/CORNEAL INJURY WHICH MAY RESULT IN PERMANENT IMPAIRMENT OF VISION, EVEN BLINDNESS. SKIN CONTACT: SHORT SINGLE EXPOSURE MAY CAUSE SKIN BURNS. DOT CLASSIFICATION; CORR OSIVE. MAY CAUS

E

ALLERGIC SKIN REACTIONIN SUSCEPTIBLE INDIVIDUALS. INGESTION: SINGLE ORAL DOSE TOXICITY IS MODERATE

Explanation of Carcinogenicity:NO INGESTION MAY CAUSE GASTROINTESTINAL IRRITATION OR ULCERATION. INGESTION MAY CAUSE BURNS OF MOUTH AND THROAT.

Effects of Overexposure:ELICIT ERYTHEMA (REDNESS) AND EDEMA (SWELLING) CORNEAL BURN, PAIN, NOSE, THROAT, LUNGS. MAY CAUSE RESPIATORY SENSITIZATION OR ASTHMA.

Medical Cond Aggravated by Exposure:RESPIATORY. SKIN.

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

First Aid:EYES: IMMEDIATE AND CONTINOUS IRRIGATION WITH FLOWING WATER FOR AT LEAST 15 MINUTES IS IMPERATIVE. PROMPT MEDICAL CONSULTATION IS ESSENTIAL. SKIN: IN CASE OF CONTACT, IMMEDIATELY FLUSH SKIN WITH PLENT Y OF WATER FOR AT LEAST 15 MINUTES.

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

Flash Point Method:PMCC

Flash Point:222F,106C

Lower Limits:2% @ 150 C

Upper Limits:6.7%@150C

Extinguishing Media:FOAM, C

ARBON DIOXIDE, DRY CHEMICAL.

Fire Fighting Procedures:WEAR POSITIVE PRESSURE, SELF-CONTAINED BREATHING APPARATUS.

Unusual Fire/Explosion Hazard:NOT AVAILABLE.

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

Spill Release Procedures:SOAK UP IN ABSORBENT MATERIAL; SAND/COLLECT IN SUITABLE CONTAINERS. RESIDUAL RESIN REMOVED USING STEAM/HOT SOAPY WATER. SOLVENTS ARE NOT RECOMMENDED FOR CLEANUP UNLESS THE RECOMMENDED EXPOSURE GUIDLIN ES AND SAFE HANDLING PRACTICE

S FOR THE
SPECIFIC

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Handling and Storage
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Handling and Storage Precautions: EXPOSURE GUIDELINES: ACGIH TLV IS 1PPM,
SKIN FOR DIETHYLENETRIAMINE.

Other Precautions: SOLVENT ARE FOLLOWED. LARGE SPILLS: EVACUATE UPWIND
OF SPILLS AND CONTAIN WITH DIKE. DO NOT WASH AREA THAT WILL CAUSE
POLLUTION.

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Exposure Controls/Personal Protection
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Respiratory Protection: USE AN APPROVED RESPIRATOR.

Ventilation: USE ONLY WITH

ADEQUATE VENTILATION. LOCAL EXHAUST

VENTILATION MAY BE NECESSARY FOR SOME OPERATIONS.

Eye Protection: CHEMICAL GOGGLES/FULL-FACE RESPIRATOR

Other Protective Equipment: USE PROTECTIVE CLOTHING.

Work Hygienic Practices: WASH WITH SOAP AND WATER.

Supplemental Safety and Health

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Physical/Chemical Properties
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HCC: N1

Spec Gravity: 1.02

Solubility in Water: SLIGHTLY

Appearance and Odor: LIGHT YELLOW LIQUID, AMINE ODOR.

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Stability and Reactivity D

ata
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Stability Indicator/Materials to Avoid: NO

ACID, CHLORINATED HYDROCARBONS.

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

Hazardous Decomposition Products: NITROGEN OXIDE WHEN BURNED.

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Disposal Considerations
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Waste Disposal Methods: BURN IN ADEQUATE INCINERATOR OR BURY IN

LANDFILL, IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

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e compiling agencies):

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