

DOW CHEMICAL U.S.A. -- D.E.R. (R) 324 EPOXY RESIN, #19242 -- 8040-00-843-7873

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

Product ID:D.E.R. (R) 324 EPOXY RESIN, #19242

MSDS Date:05/03/1995

FSC:8040

NIIN:00-843-7873

MSDS Number: CDZVX

=== Responsible Party ===

Company Name:DOW CHEMICAL U.S.A.

Address:CHEMICAL AND METALS DEPARTMENT

City:MIDLAND

State:MI

ZIP:48674

Country:US

Info Phone Num:517-636-1000

Emerg

ency Phone Num:517-636-4400

CAGE:96717

=== Contractor Identification ===

Company Name:DOW CHEMICAL CO

Address:100 LARKIN CENTER

Box:City:MIDLAND

State:MI

ZIP:48674

Country:US

Phone:800-258-2436

CAGE:96717

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

Ingred Name:REACTION PRODUCTS OF EPICHLOROHYDRIN AND BISPHENOL A

CAS:25085-99-8

Fraction by Wt: 83-98%

Other REC Limits:NONE RECOMMENDED

Ingred Name:ALKYL GLYCIDYL ETHER

CAS:68609-97-2

Fraction by Wt: 2-17%

Other REC Limits

:NONE RECOMMENDED

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

LD50 LC50 Mixture:LD50 ORAL 2000 MG/KG RAT
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 SLIGHT TRANSIENT EYE
IRRITATION. CORNEAL INJURY IS UNLIKELY. SKIN CONTACT: ALLERGIC SKIN
REACTIONS. PROLONGED EXPOSURE NOT LIKELY TO CAUSE SIGNIFICANT SKIN
IRRITATION. INGEST: INJURY. I NHAL: IRRITA
TION.

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

First Aid:EYE: FLUSH W/PLENTY OF WATER. SKIN: WASH OFF W/FLOWING WATER
OR SHOWER. INGESTION: GET MEDICAL AID. DON'T INDUCE VOMITING UNLESS
DIRECTED TO DO SO BY DR. INHALATION: MOVE TO FRESH AIR. CALL DR.

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

Flash Point Method:PMCC
Flash Point:350 TO 375F
Lower Limits:NOT EST.
Upper Limits:NOT EST.
Extinguishing Media:FOAM, CO2, DRY CHEMICAL.
Fir
e Fighting Procedures:WEAR POSITIVE PRESSURE SELF-CONTAINED
BREATHING APPARATUS & FULL PROTECTIVE EQUIPMENT

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

Spill Release Procedures:EVACUATE. REMOVE IGNITS. LARGE: EVACUATE
UPWIND. DIKE/ABSORB. CONTAINERIZE. REMOVE RESIDUAL RESIN W/STEAM OR
HOT SOAPY WATER. SOLVENTS NOT RECOMMENDED FOR CLEAN-UP.

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

Handling and Storage Precautions:PRACTICE CAUTION
AND GOOD PERSONAL
CLEANLINESS TO AVOID SKIN AND EYE CONTACT. AVOID BREATHING VAPORS
OF HEATED MATERIAL.

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

Respiratory Protection:NO RESPIRATORY PROTECTION SHOULD BE NEEDED. IF
RESPIRATORY IRRITATION IS EXPERIENCED, USE AN APPROVED
AIR-PURIFYING RESPIRATOR.
Ventilation:GOOD GENERAL VENT SHOULD BE SUFFICIENT FOR MOST CONDITIONS.
LOCAL EXHAUST VENT MAY BE NECESSARY FOR SOME OPERATIONS.
Protective Gloves:IMPERVIO

US GLOVES

Eye Protection:SAFETY GLASSES OR CHEMICAL GOGGLES

Other Protective Equipment:WEAR CLEAN, LONG-SLEEVED, BODY-COVERING CLOTHING. USE PROTECTIVE CLOTHING IMPERVIOUS TO THIS MATERIAL.

Supplemental Safety and Health
MORE INFORMATION ON FILE.

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

Boiling Pt:B.P. Text:300F,149C

Vapor Pres:0.06

Vapor Density:NA

Spec Gravity:1.11

Solubility in Water:NONE

Appearance and Odor:CLEAR (LIGHT YELLOW) LIQUID OF LOW VISCOSITY; FAINT

EPOXY ODOR.

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

Stability Indicator/Materials to Avoid:YES

BASES, ACIDS, AMINES, OXIDIZING MATERIALS.

Stability Condition to Avoid:EXCESSIVE HEATING OVER LONG TIME PERIODS.

FREEZING MAY CAUSE TEMPORARY HAZINESS. FIRE CONDITIONS INCREASE VISCOSITY.

Hazardous Decomposition Products:UNDER CONDITIONS OF IMPERFECT

COMBUSTION AND/OR PYROLYSIS VARIOUS PHENOLIC COMPOUNDS CO AND/OR CO2 MAY BE EVOLVED.

=====

==== Disposal Considerations =====

Waste Disposal Methods:COMPLY W/ALL FEDERAL, STATE, LOCAL REGULATIONS.

SEND TO PROPERLY LICENSED/PERMITTED RECYCLER/RECLAIMER/INCINERATOR.

Disclaimer (provided with this information by the compiling agencies):

This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability

for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.