

SHELL CHEMICAL COMPANY A DIV. OF SHELL OIL CO. -- EPON R RESIN 826 -- 8030-00-144-9658
===== Product Identification =====

Product ID:EPON R RESIN 826

MSDS Date:10/29/1987

FSC:8030

NIIN:00-144-9658

MSDS Number: BKJFV

=== Responsible Party ===

Company Name:SHELL CHEMICAL COMPANY A DIV. OF SHELL OIL CO.

Box:4320

City:HOUSTON

State:TX

ZIP:77210

Country:US

Info Phone Num:713-241-4819

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um:713-473-9461 / 800-424-9300

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=== Contractor Identification ===

Company Name:SHELL CHEMICAL COMPANY A DIV. OF SHELL OIL CO.

Address:1 SHELL PLAZA

Box:2463

City:HOUSTON

State:TX

ZIP:77001

Country:US

Phone:713-473-9461

CAGE:86961

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

Ingred Name:BISPHENOL A/EPICHLOROHYDRIN EPOXY RESIN (RESIDUAL LEV OF
EPICHLOROHYDRIN:1 PPM MAX /BISPHENOL-A 20ML/KG(RABBIT)

Routes of Entry: Inhalation:N

O Skin:YES Ingestion:YES

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

Health Hazards Acute and Chronic:EYE/SKIN: MODERATE IRRITATION, CONTACT
W/ RESIN AT ELEVATED TEMPS-THERMAL BURNS. MAY CAUSE SKIN
SENSITIZATION. INGESTION: PRODUCT CONSIDERED TO HAVE A LOW ORDER OF
ACUTE ORAL TOXICITY.

Effects of Overexposure:SKIN: IRRITATION, RASHES-ESPECIALLY HIVES.

MUTAGENICITY: SIMILAR RESIN AND DIGLYCIOYL ETHER OF BISPHENOL-A
HAVE SHOWN MUTAGENIC ACTIVITY IN MICROBIAL SCREENING

TESTS & HAVE

PRODUCED CHROMOSOMAL ABERRATION IN CULTURED RAT LIVER CELLS. THE SIGNIFICANCE OF THIS TO MAN IS UNKNOWN, PARTICULARLY IN VIEW OF THE NEGATIVE CARC.

Medical Cond Aggravated by Exposure:PRE-EXISTING SKIN & EYE DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT. PRE-EXISTING SKIN OR LUNG ALLERGIES MAY INCREASE THE CHANCE OF DEVELOPING INCREASED ALLERGY SYMPTOMS W/EXPOSE TO RESIN.

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

First

Aid:EYE: FLUSH W/PLENTY WATER-15 MIN,HOLDING LIDS OPEN. GET MEDICAL AID. SKIN: REMOVE CONTAMINATED CLOTHES/SHOES, WIPE EXCESS OFF, FLUSH W/WATER. FOLLOW BY WASHING W/SOAP & WATER. FOR IRRIT GET MED AID. INHALE: REMOVE VICTIM TO FRESH AIR & GIVE OXYGEN IF BREATHING IS DIFFICULT. GET MED AID. INGEST: DO NOT INDUCE VOMITING. NO TREATMENT MAY BE NEEDED UNLESS LARGE QUANT IS SWALLOWED. GET MEDICAL ADVICE.

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

Flash Point Method:PMCC

Flash Point:480F,249C

Extinguishing Media:USE WATER FOG, FOAM, DRY CHEMICAL OR CO2.

Fire Fighting Procedures:CONFINED AREAS: WEAR BUNKER GEAR (HELMET W/ FACESHIELD, BUNKER COATS,GLOVES & RUBBER BOOTS),INCLD POSI PRESS NIOSH APPR'D SCBA. COOL FIRE EXPOSED CNTNRS W/WATER

Unusual Fire/Explosion Hazard:HEATING THIS RESIN ABOVE 300F IN THE PRESENCE OF AIR MAY CAUSE SLOW OXIDATIVE DECOMP ABOVE 500F. POLYMERIZATION MAY OCCUR. FUMES/VAPORS VARY IN COMPOS/TOXICITY

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

Spill Release Procedures:NOT READILY IGNITABLE. WEAR RESPIRATOR & PROTECTIVE CLOTHING. SHUT OFF SOURCE OF LEAK, IF SAFE TO DO SO. DIKE AND CONTAIN. REMOVE WITH VACUUM TRUCKS OR PUMP TO STORAGE/SALVAGE VESSELS. SOAK UP RESIDUE WITH ABSORBENT. FLUSH AREA WITH WATER.

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

Handling and Storage Precautions:STORE IN A COOL, DRY PLACE. KEEP AWAY F

ROM OPEN FLAMES & HIGH TEMPS. CONTAINERS, EVEN ONES THAT ARE EMPTY CAN CONTAIN HAZ PRODUCT RESIDUE. HANDLE IN
Other Precautions: ACCORDANCE W/HAZARD POTENTIAL OF CURING AGENTS USED. AVOID CONTACT WITH EYES AND SKIN. IF THIS RESIN IS HANDLED, SHIPPED OR STORED IN BULK, THE RECOMMENDED PUMPING TEMPERATURE IS 180F, MAX, TO PREVENT THERMAL BURNS.

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

Respiratory Protection: NOT ORDINARILY REQUIRED. USE A NIOSH APPROVED

RESPIRATOR AS REQUIRED TO PREVENT OVER-EXPOSURE. IN ACCORD WITH 29CFR1910.134. USE EITHER AN ATMOSPHERE-SUPPLY RESPIRATOR OR AN AIR- PURIFYING RESPIRATOR FOR ORGANIC VAPORS.

Protective Gloves: WEAR CHEMICAL RESISTANT GLOVES.

Eye Protection: SAFETY GLASSES/GOGGLES WHEN NEEDED.

Other Protective Equipment: WEAR CHEMICAL RESISTANT CLOTHING AS REQUIRED TO MINIMIZE CONTACT.

Work Hygienic Practices: WASH W/SOAP & WATER BEFORE EATING, DRINKING, SMOKING, USING COSMETICS OR TOILET FACILITIES.

Supplemental Safety and Health

LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE. CONTAMINATED LEATHER ARTICLES, INCLUDING SHOES, CANNOT BE DECONTAMINATED AND SHOULD BE DESTROYED. DEPENDING ON CIRCUMSTANCES SPILLS/RELEASES TO AIR, LAND OR WATER MAY BE REPORTABLE TO EPA "SUPERFUND".

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

HCC:N1

Boiling Pt: B.P. Text: >500F, >260C

Vapor Pres: 0.03 @ 77F

Spec Gravity: 1.17

Evaporation Rate & Reference: N/K (BU AC=1)

Solubility

in Water: NEGLIGIBLE

Appearance and Odor: VERY LIGHT YELLOW, VERY VISCOUS LIQUID

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

Stability Indicator/Materials to Avoid: YES

STRONG OXIDIZING AGENTS, STRONG LEWIS OR MINERAL ACIDS AND STRONG MINERAL & ORGANIC BASES, ESPECIALLY ALIPHATIC AMINES.

Stability Condition to Avoid: ALIPHATIC POLYAMINES CAN PRODUCE

EXOTHERMIC REACT, IN LARGE MASSES CAN CAUSE RUNAWAY POLYMERIZATION & CHARRING REACTANTS.

Hazardous Decomposition

Products: CARBON MONOXIDE, ALDEHYDES, ACIDS &
OTHER ORGANIC SUBSTANCES. REACT W/SOME CURING AGENTS MAY PRODUCE
CONSIDERABLE HEAT.

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

Waste Disposal Methods: IF THIS PRODUCT BECOMES A WASTE, IT WOULD NOT BE
A HAZARDOUS WASTE BY RCRA CRITERIA. PLACE IN AN APPROPRIATE
DISPOSAL FACILITY IN COMPLIANCE WITH LOCAL REGULATIONS. KEEP OUT OF
SURFACE WATER, SEWERS AND WATERWAYS ENTERING/LEADING TO SURFACE
WATER.

Disc

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