

SHELL OIL COMPANY -- EPON RESIN 825 -- 8030-00-086-1506

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

Product ID:EPON RESIN 825

MSDS Date:10/29/1987

FSC:8030

NIIN:00-086-1506

MSDS Number: BLJFP

=== Responsible Party ===

Company Name:SHELL OIL COMPANY

Address:PRODUCT SAFETY AND COMPLIANCE

Box:4320

City:HOUSTON

State:TX

ZIP:77210

Country:US

Info Phone Num:713-241-4819

Emergency Phone Num:713-473-9461/800-424-9300 CHEMTREC

Preparer's Name:JOHN P. SEPESI

CAGE:54527

=== Contr

actor Identification ===

Company Name:SHELL OIL COMPANY

Box:2463

City:HOUSTON

State:TX

ZIP:77210

Country:US

Phone:800-231-6950

CAGE:54527

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

Ingred Name:BISPHENOL A/EPICHLOROHYDRIN EPOXY RESIN (THIS PRODUCT IS AN
EPOXY RESIN PRODUCED BY THE CONDENSATION REACTION OF *

CAS:25068-38-6

RTECS #:KD4380000

Fraction by Wt: 100%

Other REC Limits:NONE SPECIFIED

Ingred Name:*EPICHLOROHYDRIN & BISPHENOL-A. RESIDUAL LEVELS OF
EPICHL

OROXYLINS ARE CONTROLLED TO 1 PPM MAX, BISPHENOL-A 20 ML/KG-RABBIT.

Effects of Overexposure:IRRITATION AS NOTED. SKIN SENSITIZATION

(ALLERGY) MAY BE EVIDENCED BY RASHES, ESPECIALLY HIVES.

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 FROM EXPOSURE.

===== First Aid Measures =====
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First Aid:EYE: FLUSH W/WATER-15 MIN. WHILE HOLDING EYELIDS OPEN. IF CONTACT W/HOT PRODUCT OCCURS, IMMEDIATELY FLUSH W/COOL WATER-15 MIN. GET MED AID IMMEDIATELY. SKIN: REMOVE CONTAM CLOTH/SHOES & WIPE EXCESS FROM SKIN. FLUSH SKIN W/WATER. THEN WASH W/SOAP & WATER. IF IRRITATION OCCURS, GET MED AID. INHALE: REMOVE TO FRESH AIR & GIVE OXYGEN IF BREATHING IS DIFFICULT. GET MED AID. INGESTION: DO NOT INDUCE VOMIT. GET MED AID.

===== Fire Fighting Measures =====
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Flash Point Method:PMCC

Flash Point:480F,249C

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

Fire Fighting Procedures:MATERIAL WILL NOT BURN UNLESS PREHEATED. DO NOT ENTER CONFINED FIRE SPACE W/O FULL BUNKER GEAR INCLUDING POSITIVE PRESSURE NIOSH APPROVED SCBA. COOL FIRE EXPOSED CONTAINER W/WATER.

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

Spill Release Procedures:USE CAUTION W/LARGE SPILLS. LARGE SPILL: WEAR RESPIRATOR & PROTECT CLOTH AS APPROPRIATE. SHUT OFF LEAK SOURCE IF SAFE. DIKE & CONTAIN. REMOVE W/VACUUM TRUCKS OR PUMP TO STORAGE/SALVAGE VESSELS. FLUSH AREA W/WATER. LARGE/SMALL SPILL: TAKE UP W/ABSORBENT. PROPERLY DISPOSE.

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

Handling and Storage Precautions:STORE IN A COOL, DRY PLACE. KEEP FROM IGNITE SOURCES. CONTAINERS, EVEN THOSE THAT HAVE BEEN EMPTIED, CAN CONTAIN HAZARDOUS PRODUCT RESIDUES.

Other Precautions:HANDLE IN ACCORDANCE WITH THE HAZARD POTENTIAL OF CU

RING AGENT(S) USED. CAUTION: MAY CAUSE IRRITATION. AVOID CONTACT WITH EYES. AVOID PROLONGED OR REPEATED CONTACT WITH SKIN.

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

Respiratory Protection:NOT ORDINARILY REQUIRED. USE A NIOSH-APPROVED RESPIRATOR AS REQUIRED TO PREVENT OVEREXPOSURE. IN ACCORD WITH 20 CFR1910.134, USE EITHER AN ATMOSPHERE-SUPPLY RESPIRATOR OR AN AIR-PURIFYING RESPIRATOR FOR ORGANIC VAPORS.

Protective Gloves:CHEMICAL RESISTANT GLOVES

Eye

Protection:SAFETY GLASSES OR GOGGLES AS APPROPRIATE

Other Protective Equipment:OTHER CLOTHING AS REQUIRED TO MINIMIZE CONTACT

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

Supplemental Safety and Health

IF HANDLED, SHIPPED, STORED IN BULK, RECOMMENDED PUMPING TEMP IS 180 F MAX TO PREVENT THERMAL BURNS. LAUNDRY CONTAM CLOTHING BEFORE REUSE. CONTAM LEATHER ARTICLES, INCLUDING SHOES, CANNOT BE DECONTAM

&

SHOULD BE DESTROYED. REPORT SPILLS TO NATEM RESPONSE

CTR-800-424-8802. KEEP OUT OF SURFACE WATER, SEWERS, WATERWAYS.

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

HCC:N1

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

Vapor Pres:0.03 @ 77C

Spec Gravity:1.17

Solubility in Water:NEGLIGIBLE

Appearance and Odor:VERY LIGHT YELLOW, VERY VISCOUS LIQUID.

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

Stability Indicator/Materials to Avoid:YES

STRONG OXID AGENTS

, STRONG LEWIS/MINERAL ACIDS & STRONG MINERAL &

ORGANIC BASES, ESPEC PRIMARY/SECOND ALIPHATIC AMINES.

Hazardous Decomposition Products:CO, ALDEHYDES, ACIDS & OTHER ORGANIC SUBSTANCES MAY BE FORMED DURING COMBUST/ELEVATED TEMP DEGRADATION. MAY PRODUCE

Conditions to Avoid Polymerization:HEAT. RUN-A-WAY CURE REACTIONS MAY CHAR & DECOMPOSE RESIN SYSTEM, GENERATING UNIDENTIFIED FUMES & VAPORS/MAY BE TOXIC.

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

Waste

Disposal Methods:IF THIS PRODUCT BECOMES A WASTE, IT WOULD NOT BE
A HAZARDOUS WASTE BY RCRA CRITERIA (40 CFR 261). PLACE IN AN
APPROPRIATE DISPOSAL FACILITY IN COMPLIANCE W/LOCAL REGULATIONS.

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