

SHELL OIL COMPANY -- EPON (R) RESIN 828 -- 8030-00-992-3156

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Product Identification  
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Product ID:EPON (R) RESIN 828

MSDS Date:04/06/1989

FSC:8030

NIIN:00-992-3156

MSDS Number: BPVFP

=== Responsible Party ===

Company Name:SHELL OIL COMPANY

Box:4320

City:HOUSTON

State:TX

ZIP:77210

Country:US

Info Phone Num:713-241-4819

Emergency Phone Num:800-424-9300(CHEMTREC)

Preparer's Name:J.C. WILLETT

CAGE:SHELL

=== Contractor Identification ===

Company Name:RESIN FORMULATORS CO

Address:8500 STELLER DR

Box:City:CALVER CITY

State:CA

ZIP:90232

Country:US

Phone:213-870-9561

CAGE:03355

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

Company Name:SHELL OIL COMPANY PRODUCT SAFETY AND COMPLIANCE

Address:P.O. BOX 4320

Box:4320

City:HOUSTON

State:TX

ZIP:77210

Phone:713-241-2252 /713-241

-4819  
CAGE:SHELL

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Composition/Information on Ingredients  
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Ingred Name:BISPHENOL A/EPICHLOROHYDRIN BASED EPOXY (THIS PRODUCT IS AN EPOXY RESIN PRODUCED BY CONDENSATION REACTION OF \*

CAS:25068-38-6

Fraction by Wt: 100%

Other REC Limits:NONE SPECIFIED

Ingred Name:\*EPICHLOROHYDRIN AND BISPHENOL-A. THESE RAW MATERIALS ARE CONSUMED IN THE PROCESS. RESIDUAL LEVELS OF EPICHLOROHYDRIN \*\*

RTECS #:9999999ZZ

Other REC Limits:NONE SPECIFIED

Ingred Name:\*\*ARE CONTROLLED TO 1 PPM, MAX., IN THE PRODUCT.

RTECS #:9999999ZZ

Other REC Limits:NONE SPECIFIED

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Hazards Identification  
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LD50 LC50 Mixture:LD50: ORAL; 11.4 G/KG (RAT)/15.6 G/KG \$

Reports of Carcinogenicity:NTP:UNKNOWN IARC:NO

Health Hazards Acute and Chronic:EYE: IRRITATING. SKIN: IRRITATE/SKIN SENSITIZATION. INGEST: LOW ORDER OF ACUTE ORAL TOXICITY. CONTACT W/PRODUCT AT ELEVATED TEMPERATURES: EYE: THERMAL BURNS. SKIN: THERMAL BURNS.

Explanation of

of Carcinogenicity:N/K \$(MOUSE). DERMAL: >20 ML/KG (RABBIT).

Effects of Overexposure:SKIN SENSITIZATION (ALLERGY): RASHES/HIVES.

Medical Conditions Aggravated by Exposure:PRE-EXISTING SKIN/EYE DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO PRODUCT. PREEXISTING SKIN/LUNG ALLERGIES MAY INCREASE CHANCE OF DEVELOPING INCREASED ALLERGY SYMPTOMS.

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First Aid Measures  
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First Aid:EYE: FLUSH W/WATER 15 MIN-HOLD LIDS OPEN. MED AID. HEATED PRODUCT:

FLUSH W/COOL WATER 15 MIN. MED AID. SKIN: REMOVE CONTAM CLOTHES/SHOES-WIPE EXCESS OFF SKIN. FLUSH W/WATER. WASH W/SOAP/WATER. IF IRRITATE-MED AID. HEATED PRODUCT: FLUSH W/COOL WATER 15 MIN. IF CLOTHES STUCK TO BURN-DONT PULL OFF-CUT AROUND. COVER W/CLEAN MATERIAL. MED AID IMMED. INHALE: MOVE TO FRESH AIR/PROVIDE OXYGEN IF BREATH

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

Flash Point Method:PMCC

Flash Point:480F,249C

Extinguishing Media:WATER FOG, FOAM, DRY CHEMICAL, CARBON DIOXIDE

Fire Fighting Procedures:MATERIAL WILL NOT BURN UNLESS PREHEATED. DO NOT ENTER CONFINED FIRE SPACE W/O FULL BUNKER GEAR (HELMET W/FACE SHIELD/BUNKER COATS/GLOVES/RUBBER BOOTS)/POSITIVE\*

Unusual Fire/Explosion Hazard:\*PRESSURE NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS W/WATER.

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

Handling and Storage Precautions:COOL/DRY PLACE. NO OPEN FLAMES/HIGH

TEMPERATURES. EMPTY CONTAINERS CONTAIN RESIDUES. HANDLE IN ACCORDANCE W/HAZARD POTENTIAL OF CURING AGENTS USED.

Other Precautions:HEATING RESIN 260C

Vapor Pres:.03 @ 77C

Spec Gravity:1.17 (WATER=1)

Solubility in Water:NEGLIGIBLE

Appearance and Odor:VERY LIGHT YELLOW, VERY VISCOUS LIQUID

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

Stability Indicator/Materials to Avoid:YES

\*\*PRODUCE HEAT. RUN-A-WAY CURE REACTIONS CHAR/DECOMPOSE RESIN SYSTEM GENERATING TOXIC FUMES/VAPORS.

Stability Condition to Avoid:REACTS W/STRONG OXIDIZING

AGENTS/LEWIS/MINERAL ACIDS/MINERAL/ORGANIC BASES/ALIPHATIC AMINES. REACTION W/CURING AGENTS \*\*

Hazardous Decomposition Products:CO, ALDEHYDES, ACIDS, ORGANIC SUBSTANCES, MAY BE FORMED DURING COMBUSTION OR ELEVATED (>500F) TEMPERATURE DEGRADATION.

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

Waste Disposal Methods:N/K CLAY/SAND/OTHER MATERIAL/DISPOSE OF PROPERLY. FLUSH AREA W/WATER-RE

MOVE TRACE RESIDUE. SMALL: TAKE UP  
W/ABSORBENT MATERIAL/DISPOSE OF PROPERLY.

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