

SHELL OIL COMPANY -- EPON(R) RESIN 828 -- 5970-01-063-0085

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Product Identification
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Product ID:EPON(R) RESIN 828
MSDS Date:04/06/1989
FSC:5970
NIIN:01-063-0085
Kit Part:Y
MSDS Number: BGJWD
=== Responsible Party ===
Company Name:SHELL OIL COMPANY
Address:HEALTH, SAFETY AND ENVIRONMENT
Box:4320
City:HOUSTON
State:TX
ZIP:77210
Country:US
Info Phone Num:713-241-4819
Emergency Phone Num:713
-473-9461
Preparer's Name:J.C.WILLETT
CAGE:54527
=== Contractor Identification ===
Company Name:SHELL OIL COMPANY
Box:2463
City:HOUSTON
State:TX
ZIP:77210
Country:US
Phone:800-231-6950
CAGE:54527

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Composition/Information on Ingredients
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Ingred Name:EPOXY RESIN
CAS:25068-38-6
RTECS #:KC2100000
Fraction by Wt: 100%
Other REC Limits:NONE SPECIFIED

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Hazards Identification
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LD50 LC50 Mixture:LD50 (ORAL RAT) IS 11.4 G/KG
Route

s of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:EYE: MODERATELY IRRITATING. AT
ELEVATED TEMPERATURES CAN RESULT IN THERMAL BURNS. SKIN: MODERATELY
IRRITATING & MAY CAUSE SKIN SENSITIZATION. AT ELEVATED TEMPERATURES
CAN PRODUCE THERMAL BURNS. INHALE : NOT LIKELY TO BE A HAZARD.
INGEST: BASED ON PRODUCT TESTING PRODUCT IS CONSIDERED TO HAVE A
LOW ORDER OF TOXICITY.

Explanation of Carcinogenicity:NONE OF THE CHEMICALS IN THIS PRODUCT IS
LISTED BY IARC, NTP OR OSHA AS A CARCINOGEN.

Effects of Overexposure:IRRITATION AS NOTED. SKIN SENSITIZATION
(ALLERGY) MAY BE EVIDENCED BY RASHES, ESPECIALLY HIVES.

Medical Cond Aggravated by Exposure:PREEXISTING SKIN/EYE DISORDERS MAY
BE AGGRAVATED BY EXPOSURE TO THIS RESIN. PREEXISTING SKIN/LUNG
ALLERGIES MAY INCREASE THE CHANCE OF DEVELOPING INCREASED ALLERGY
SYMPTOMS FROM EXPOSURE TO THE RESIN.

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First Aid Measures =====

First Aid:EYE-FLUSH WITH WATER FOR 15 MIN. IF RESIN IS HOT, IMMEDIATELY
FLUSH WITH COOL WATER. SEE A DOCTOR. SKIN-MOVE SOILED CLOTHES/SHOES
& WIPE EXCESS FROM SKIN. WASH WITH SOAP AND WATER. IF RESIN IS HOT,
IMMEDIATELY FLUSH WITH COOL WATER. IF CLOTHES STICK TO BURN, DO
NOT PULL CUT AROUND IT. INHALE-MOVE TO FRESH AIR & GIVE OXYGEN.
INGEST-DO NOT INDUCE VOMITING. GET MEDICAL ADVICE.

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Fire Fighting Measures ===
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Flash Point Method:PMCC

Flash Point:480F,249C

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

Fire Fighting Procedures:MATERIAL WILL NOT BURN UNLESS PREHEATED. DO
NOT ENTER CONFINED FIRE SPACE WITH OUT FULL BUNKER GEAR & POSITIVE
PRESSURE SCBA. COOL FIRE EXPOSED CNTNR WITH WATER

Unusual Fire/Explosion Hazard:HEATING THIS RESIN ABOVE 300F IN THE
PRESENCE OF AIR MAY CAUSE SLOW OXIDATION DECOMPOSITION ABOVE 500F,
POLYMERIZATION MAY O

CCUR. DO NOT BREATHE FUMES.

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

Spill Release Procedures:MAY BURN ALTHOUGH NOT READILY IGNITABLE. TAKE UP WITH AN ABSORBENT MATERIAL AND DISPOSE OF PROPERLY.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE IN A COOL, DRY PLACE. KEEP AWAY FROM OPEN FLAMES & HIGH TEMPERATURES.
Other Precautions:EMPTY CNTNRS CAN CONTAIN HAZARDOUS PRODUCT RESIDUES.
HANDLE I/A/W THE HAZARD POTENTIAL OF CURING AGENTS USED.

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

Respiratory Protection:NONE NORMALLY REQUIRED.
Ventilation:NONE SPECIFIED BY MANUFACTURER.
Protective Gloves:CHEMICAL RESISTANT GLOVES
Eye Protection:SAFETY GLASSES/CHEMICAL SPLASH GOGGLES
Other Protective Equipment:SAFETY SHOWER AND EYE BATH. INDUSTRIAL TYPE WORK CLOTHING AND APRON AS REQUIRED TO AVOID PROLONGED OR REPEATED CONTACT.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING OR DRINKING. LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE. CONTAMINATED LEATHER ARTICLES, INCLUDING SHOES, CANNOT BE DECONTAMINATED AND SHOULD BE DESTROYED TO PREVENT REUSE. THIS EPOXY RESIN IS PRODUCED BY THE CONDENSATION REACTION OF EPICHLOROHYDRIN & BISPHENOL-A. THESE RAW MATERIALS ARE CONSUMED. EPICHLOROHYDRIN RESIDUE < 1 PPM.

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

HCC:N1
Boiling Pt:B.P. Text:>500F,>260C
Vapor Pres:0.03
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 OXIDIZING AGENTS, LEWIS OR MINERAL ACIDS, MINERAL & ORGANIC BASES/ESPECIALLY PRIMARY & SECONDARY ALIPHATIC AMINES
Stability Condition

to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:CARBON MONOXIDE, ALDEHYDES, ACIDS &
OTHER ORGANIC SUBSTANCES MAY BE FORMED DURING >500 F TEMPERATURE
DEGRADATION.

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE
FEDERAL, STATE AND LOCAL REGULATIONS.

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