

SHELL OIL COMPANY -- EPON (R) RESIN 826 -- 8030-00-144-9658

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Product Identification
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Product ID:EPON (R) RESIN 826

MSDS Date:09/01/1993

FSC:8030

NIIN:00-144-9658

MSDS Number: CCMNX

=== Responsible Party ===

Company Name:SHELL OIL COMPANY

Address:1 SHELL PLAZA

Box:2463

City:HOUSTON

State:TX

ZIP:77001

Country:US

Info Phone Num:713-241-4819

Emergency Phone Num:713-473-9461 (24 HOUR EMERGEN
CY)

CAGE:54527

=== Contractor Identification ===

Company Name:PTI TECHNOLOGIES INC SUB OF HR TEXTRON INC

Box:UNKNOW

City:NEWBURY PARK

State:CA

ZIP:91319

Country:US

CAGE:1FD29

Company Name:SHELL OIL COMPANY

Address: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:BISPHENOL A/EPICHLOROHYDRIN BASED EPOXY RESIN NOTE:

RESIDUAL LEVELS OF EPICHLOROHYDRIN CONTROLLED TO 1 PPM MAX IN PROD

CAS:25068-38-6
RTECS #:SL6475000
Fraction by Wt: 100.0%
Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:ORAL LD50:11.4 G/KG-RAT;15.6 G/KG-MOUSE*
Routes 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 TO THE EYES. CONTACT W/PRODUCT AT ELEVATED TEMPERATURES CAN RESULT IN THERMAL BURNS. SKIN: MODERATELY IRRITATING TO THE SKIN. PRODUCT MAY CAUSE SKIN SENSITIZATION. CONTACT W /PRODUCT AT ELEVATED TEMPERATURES CAN RESULT IN THERMAL BURNS. INHAL: BECAUSE OF ITS LOW VOLATILITY THIS PROD **
Explanation of Carcinogenicity:NK *DERMAL LD50: >20 ML/KG-RABBIT.
Effects of Overexposure:IS NOT LIKELY TO BE AN INHALATION HAZARD. INGESTION: BASED ON PRODUCT TESTING, PRODUCT IS CONSIDERED TO HAVE A LOW ORDER OF ACUTE ORAL TOXICITY. SKIN: SENSITIZATION (ALLERGY) MAY BE EVIDENCED BY RASHES, ESPECIALLY HIVES.
Medical Cond Aggravated by Exposure:PRE-EXISTING SKIN AND 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.

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

First Aid:EYE: FLUSH W/WATER-15 MIN, HOLD EYELIDS OPEN. SKIN: REMOVE CONTAM CLOTH/SHOES & WIPE EXCESS FROM SKIN. FLUSH W/WATER. WASH W/SOAP/WATER. CAREFULLY REMOVE CLOTH; IF CLOTH IS STUCK TO BURN AREA, DO NOT PULL OFF/CUT AROUND IT. COVER AREA W/CLEAN MAT'L. GET MED AID IMMED. INHAL:GET FRESH AIR. GIVE OXYGEN IF BREATHING IS DIFFICULT. GETMED AID. INGEST: DO NOT INDUCE VOMITING. IN GEN NO TREATMENT IS ***

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

Flash Point Method:PMCC
Flash Point:480F,249C
Lower Limits:NOT AVAIL
Upper Limits:NOT AVAIL
Extinguishing Media:USE WATER FOG, FOAM, DRY CHEMICAL OR CO2.

Fire Fighting Procedures:WILL NOT BURN UNLESS PREHEATED. DO NOT ENTER
CONFINED FIRE SPACE W/O FULL BUNKER GEAR, INCLUDING POS PRESS NIOSH
APPR'D SCBA. COOL FIRE EXPOSED CNTNRS W/WATER.

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

Spill Release Procedures:LG SPILL: WEAR RESPIRATOR & APPROP PROTECT
CLOTH. SHUT OFF LEAK SOURCE IF SAFE TO DO. DIKE/CONTAIN. REMOVE
W/VACUUM TRUCKS OR PUMP TO STORAGE/SALVAGE VESSELS. SOAK UP
W/ABSORB. FLUSH AREA W/WATER. SM
SPILL: TAKE UP W/ABSORB MAT'L &
PROPERLY DISPOSE.

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

Handling and Storage Precautions:STORE IN COOL, DRY PLACE. KEEP FROM
OPEN FLAME/HIGH TEMPS. CONTAINERS (EVEN EMPTY) CONTAIN RESIDUE.
HANDLE PER HAZARD POTENTIAL OF CURING AGENT USED.

Other Precautions:HEATING THIS RESIN ABOVE 300F IN THE PRESENCE OF AIR
MAY CAUSE SLOW OXIDATIVE DECOMPOSITION ABOVE 500F, POLYMERIZATION
MAY OCCUR. DO NOT BREATHE FUMES. AVOID
CONTACT W/EYES & PROLONGED OR
REPEATED CONTACT W/SKIN.

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

Respiratory Protection:USE A NIOSH-APPROVED RESPIRATOR AS REQUIRED TO
PREVENT OVEREXPOSURE. NOT ORDINARILY REQUIRED.

Protective Gloves:CHEMICAL RESISTANT GLOVES.

Eye Protection:WEAR SAFETY GLASSES OR GOGGLES.

Other Protective Equipment:AS REQUIRED TO MINIMIZE CONTACT.

Work Hygienic Practices:WASH WITH SOAP AND WATER BEFORE EATING,
DRINKING, SMOKING, APPLYING C
OSMETICS OR USING TOILET FACILITIES.

Supplemental Safety and Health

LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE. CONTAMINATED LEATHER
ARTICLES, EVEN SHOES, CANNOT BE DECONTAMINATED & SHOULD BE
DESTROYED TO PREVENT REUSE. MAY CAUSE IRRITATION. IN GENERAL, NO
TREATMENT NECESSARY UNLESS LARGE AMOUNTS OF PRODUCT ARE INGESTED.

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

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

Melt/Freeze Pt:M.P/F.P Text:NA

Vapor Pres:0.03 @ 77C

Vapor D

ensity:NA

Spec Gravity:1.17

Evaporation Rate & Reference:NA

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/MNRL ACIDS & STRONG MNRL & ORGANIC BASES/ESPECIALLY PRIMARY/SECONDARY ALIPHATIC AMINES.

Stability Condition to Avoid:REACTS W/SOME CURING AGENTS. RUN-A-WAY CURE REACTIONS MAY CHAR/DECOMPOSE R

ESIN SYSTEM, GENERATING TOXIC FUMES/VAPORS.

Hazardous Decomposition Products:CARBON MONOXIDE, ALDEHYDES, ACIDS & OTHER ORGANIC SUBSTANCES MAY BE FORMED DURING COMBUST OR ELEVATED TEMP DEGRADATION.

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