

SHELL CHEMICAL COMPANY A DIV. OF SHELL OIL CO. -- EPON (R) RESIN 828 -- 8030-00-086-1506

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Product Identification
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Product ID:EPON (R) RESIN 828

MSDS Date:01/01/1987

FSC:8030

NIIN:00-086-1506

MSDS Number: BLLTC

=== Responsible Party ===

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

Info Phone Num:713-

241-4819

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

CAGE:86961

=== Contractor Identification ===

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

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Composition/Information on Ingredients
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Ingred Name:BISPHENOL A/EPICHLOROHYDRIN BASED EPOXY RESIN

CAS:25068-38-6

RTECS #:KD4380000

Fraction by Wt: 100%

Other REC Limits:NONE SPECIFIED

Ingred Nam

e:PRODUCED BY CONDENSATION OF EPICHLOROHYDRIN & BISPHENOL A.
RESIDUAL LEVELS OF EPICHLOROHYDRIN ARE CONTROLLED TO 1PPM-MAX
RTECS #:9999999ZZ
Other REC Limits:NONE SPECIFIED

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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:NO Skin:YES Ingestion: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. INHALATION: BECAUSE OF ITS LOW VOLATILITY, THIS PRODUCT
Explanation of Carcinogenicity:N/K 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 RASHE S, 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. INHALE: REMOVE TO FRESH AIR. GIVE OXYGEN IF BREATHING DIFFICULT. INGEST: DO NOT INDUCE VOMIT. GET NEEDED MEDICAL AID FOR EACH CONDITION.

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

Flash Point Method:PMCC
Flash Point:480F,249C
Lower Limits:N/AV
Upper Limits:N/AV
Extinguishing Media:USE WATER FOG, FOAM, DRY CHEM

ICAL 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 RESIDUES.
HANDLE PER HAZARD POTENTIAL OF CURING AGENT USED.

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

OKING, APPLYING COSMETICS 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 N ECESSARY UNLESS LARGE AMOUNTS OF PRODUCT ARE INGESTED.

===== 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/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 RESIN SYSTEM, GENERATING TOXIC FUMES/VAPORS.

Hazardous De

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

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