

SHELL CHEMICAL COMPANY A DIV. OF SHELL OIL CO. -- EPON (R) RESIN 828 -- 8010-01-060-7176

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

Product ID:EPON (R) RESIN 828

MSDS Date:11/03/1989

FSC:8010

NIIN:01-060-7176

Kit Part:Y

MSDS Number: BQDNW

=== 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 Phon

e Num:713-241-4819

Emergency Phone Num:713-473-9461

Preparer's Name:J C WILLETT

CAGE:86961

=== Contractor Identification ===

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

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

Ingred Name:BISPHENOL A/EPICHLOROHYDRIN EPOXY RESIN

CAS:25068-38-6

RTECS #:KC2100000

Fraction by Wt: 100%

Other REC Limits:NONE SPECIFIED

=

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

LD50 LC50 Mixture:ACUTE ORAL LD50: 11.4 G/KG (RAT)

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:EYE: MODERATELY IRRITATING TO EYES.

CONTACT WITH PRODUCT AT ELEVATED TEMPERATURES CAN RESULT IN THERMAL BURNS. SKIN: MODERATELY IRRITATING, SENSITIZATION. CONTACT

W/PRODUCT AT ELEVATED TEMPERATURES CA N RESULT IN THERMAL BURNS.

INHALATION: NOT LIKELY TO BE INHALATION HAZARD. IN

GESTION: LOW

ORDER OF ACUTE ORAL TOXICITY.

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 PRODUCT. PREEXISTING

SKIN/LUNG ALLERGIES MAY INCREASE CHANCE OF DEVELOPING INCREASED

ALLERGY SYMPTOMS FROM EXPOSURE TO PRODUCT.

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

First Aid:

EYE:FLUSH W/WATER 15 MIN,HOLD EYELIDS OPEN. GET MED AID. IF

HOT PRODUCT,IMMED FLUSH W/COOL WATER 15 MIN. GET MED AID IMMED.

SKIN:REMOVE CONTAM CLOTHES/SHOES.WIPE FROM SKIN. FLUSH W/WATER.

WASH W/SOAP & WATER.IF IRRIT,GET MED AID.DESTROY CONTAM LEATHER

ARTICLES.INHAL:REMOVE TO FRESH AIR,GIVE OXYGEN IF BREATHING

DIFFICULT.GET MED AID.INGEST:DONT INDUCE VOMIT. NO TREATMNT UNLESS

LRG QTY. GET MED AID.

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

Fla

sh Point Method:PMCC

Flash Point:480F,249C

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

Fire Fighting Procedures:MAT'L WILL NOT BURN UNLESS PREHEATED. DO NOT

ENTER CONFINED FIRE SPACE WITHOUT FULL BUNKER GEAR, INCLUDING A

POSITIVE PRESSURE NIOSH SCBA. COOL CNTNRS W/WATER.

Unusual Fire/Explosion Hazard:>300F W/AIR-SLOW OXIDATIVE DECOMP. >500F-

POLYMERIZATION. ALIPHATIC POLYMINES CAN PRODUCE EXOTHERMIC

REACTIONS. FUMES FROM THERMAL/CHEM DECOMPOSITN MAY BE TOXIC

==

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

Spill Release Procedures:MAY BURN-NOT READILY IGNITABLE. USE CAUTION WHEN CLEANING LRG SPILL. LRG: WEAR RSPRTR/PROTECT CLOTHES. STOP LEAK IF SAFE. DIKE, CONTAIN. REMOVE W/VACUUM TRUCK/PUMP TO STORAGE/SALVAGE TANK. SOAK UP W/A BSORBENT. FLUSH W/WTR. SMALL: TAKE UP W/ABSORBENT.

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

Handling and Storage Precautions:STORE IN COOL, DRY PLACE. KEEP FROM

OPEN FLAME, HIGH TEMP. CNTNRS (EMPTY) RETAIN RESIDUE. HANDLE IN ACCORD W/HZD POTENTIAL. AVOID EYE/SKIN CONTACT.

Other Precautions:DONT BREATHE. WASH W/SOAP & WATER BEFORE EATING, DRINKING, SMOKING, APPLYING COSMETICS USING TOILET FACILITIES. WASH CONTAM CLOTHING BEFORE REUSE. IF RESIN HANDLED, SHIPPED, STORED IN BULK, RECOMM PUM P TEMP 180F MAX. PREVENT THERMAL BURNS.

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

Respiratory Protection:USE A NIOSH APPROVED RESPIRATOR AS REQUIRED TO PREVENT OVEREXPOSURE. IN ACCORD WITH 20 CFR 1910.134, USE EITHER AN ATMOSPHERE SUPPLY RESPIRATOR OR AN AIR PURIFYING RESPIRATOR FOR ORGANIC VAPORS.

Supplemental Safety and Health

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

HCC:V5

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

Vapor Pres:0.03 @ 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

REACT VIGOROUSLY W/OXIDIZERS, STRONG LEWIS/MINERAL ACIDS, MINERAL/ORGANIC BASES(ESP PRIMARY/SECONDARY ALIPHATIC AMINES).

Hazardous Decomposition Products:THERMAL:CO,ALDEHYDE,ACID,ORGANIC SUBSTANCES.REACTIONS W/CURING AGENTS:HEAT.RUNAWAY CURE REACTN MAY CHAR,EMIT TOXIC VAPOR

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

Waste Disposal Methods:DISPOSE OF PROPERLY. IF THIS PRODU

CT BECOMES A

WASTE IT WOULD NOT BE A HAZARDOUS WASTE BY RCRA CRITERIA (40 CFR 261). DISPOSE IN COMPLIANCE WITH LOCAL REGULATIONS.

Disclaimer (provided with this information by the compiling agencies):

This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should s

seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.