

SHELL OIL COMPANY, PRODUCT SAFETY & COMPLIANCE -- EPON RESIN 828 -- 8040-00-849-5195
===== Product Identification =====

Product ID:EPON RESIN 828
MSDS Date:04/06/1989
FSC:8040
NIIN:00-849-5195
Kit Part:Y
MSDS Number: BJZDW
=== Responsible Party ===
Company Name:SHELL OIL COMPANY, PRODUCT SAFETY & COMPLIANCE
Box:4320
City:HOUSTON
State:TX
ZIP:77210
Country:US
Info Phone Num:713-241-4819
Emergency
Phone Num:800-424-9300 CHEMTREC, 713-473-9461
Preparer's Name:J.C. WILLETT
CAGE:SHELL
=== Contractor Identification ===
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

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

Ingred Name:BISPHENOL A/EPICHLOROHYDRIN BASED EPOXY RESIN
CAS:25068-38-6
Fraction by Wt: 100%
Other REC Limits:NONE SPECIFIED

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

LD50 LC50 Mixture:ORAL 11.4 G/KG(RAT)/>20 ML/KG(RABBIT)

Reports of Carcinogenicity:NTP:UNKNOWN IARC:NO

Health Hazards Acute and Chronic:EYES & SKIN:CONTACT WITH PRODUCT AT ELEVATED TEMPERATURES CAN RESULT IN THERMAL BURNS. INGESTION:BASED ON PRODUCT TESTING PRODUCT IS CONSIDERED TO HAVE A LOW ORDER OF ACUTE ORAL TOXICITY.

Effects of Overexposure:EYES:MODERATELY IRRITATING TO THE EYES.

SKIN:MODERATELY IRRITATING TO THE SKIN

. PRODUCT MAY CAUSE SKIN

SENSITIZATION. INHALATION:BECAUSE OF ITS LOW VOLATILITY THIS PRODUCT IS NOT LIKELY TO BE AN INHALATION HAZARD. IRRITATION AS NOTED. SKINSENSITIZATION (ALLERGY) MAY BE EVIDENCED BY RASHES, ESPECIALLY HIVES.

Medical Cond Aggravated by Exposure:PRE-EXISTING SKIN & EYE DISORDERS

MAY BE AGGRAVATED. PRE-EXISTING SKIN OR LUNG ALLERGIES MAY INCREASE THE CHANCE OF DEVELOPING INCREASED ALLERGY SYMPTOMS FROM EXPOSURE TO THIS PRODUCT.

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

First Aid:EYE:FLUSH W/LOTS OF WATER 15 MIN,LIFTING LIDS.GET MED AID.

SKIN:REMOVE CONTAM CLOTHES/SHOES & WIPE EXCESS.WASH W/SOAP & WATER.GET MED IF IRRIT.IF CONTACT W/HOT PRODUCT,IMMED FLUSH W/COOL WATER 15 MINS .REMOVE CLOTHES:IF CLOTH STICK TO BURN AREA DO NOT

PULL OFF,CUT AROUND IT.COVER BURN AREA W/CLEAN MAT'L.GET MED IMMED.INHALE:REMOVE TO FRESH AIR, PROVIDE OXYGEN, GET MED.INGEST:DO NOT INDUCE VOMIT **

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

Flash Point Method:PMCC

Flash Point:480F,249C

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

Fire Fighting Procedures:MATERIAL WILL NOT BURN UNLESS PREHEATED. DO NOT ENTER CONFINED AREA WITHOUT FULL BUNDRER GEAR & A POSITIVE PRESSURE APPROVED SELF CONTAINED BREATHING APPARATUS.

Unusual Fire/Explosion Hazard:COOL FIRE EXPOSED CONTAINERS WITH WATER. WEAR FULL BUNKER GEAR (HELMET WITH FACE SHIELED, BUNKER COATS,

GLOVES & RUBBER BOOTS) IN CONFINED AREAS.

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

Spill Release Procedures:MAY BURN ALTHOUGH NOT READILY IGNITABLE.USE CAUTION WHEN CLEANING UP.LG:WEAR RSPRTR & PROTECTIVE CLOTHES.SHUT OFF SOURCES OF LEAK IF SAFE TO.DIKE/CONTAIN.REMOVE W/VACUUM TRUCKS/PUMP TO STORAGE/SALVAGE VESSELS.SOAK UP RESIDUE W/ABSORB. FLUSH AREA.

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

Handling and Storage Precautions:

STORE IN COOL, DRY PLACE. KEEP AWAY

FROM OPEN FLAMES & HIGH TEMPS. HANDLE IN ACCORDANCE W/HAZARD POTENTIAL OF CURING AGENT(S) USED.

Other Precautions:**INGESTION: NO TREATMENT NECESSARY UNLESS LARGE AMOUNTS ARE INGESTED. GET MEDICAL ADVICE. NOTE TO PHYSICIAN: EMESIS INDUCTION IS UNNECESSARY IN HIGH VISCOSITY, LOW VOLATILITY PRODUCTS, E.G., NEAT EPO XY RESINS

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

Respiratory Protection:USE APPROVED RSPRTR A

S REQUIRED TO PREVENT OVER

EXPOSURE. IN ACCORD WITH 20 CFR1910.134, USE EITHER AN ATMOSPHERE-SUPPLY RSPRTR OR AN AIR-PURIFYING RSPRTR FOR ORGANIC VAPORS. RECOMMENDED PUMPING TEMPS IS 180F, MAX. TO PREVENT THERMAL BURNS

Protective Gloves:WEAR CHEMICAL RESISTANT GLOVES

Eye Protection:SAFETY GLASSES OR GOGGLES

Other Protective Equipment:WEAR CHEMICAL RESISTANT CLOTHING AS REQUIRED TO MINIMIZE CONTACT.

Work Hygienic Practices:WASH WITH SOAP & WATER BEFORE EATING, DRINKING, S

MOKING, APPLYING COSMETICS OR USING TOILET FACILITIES.

Supplemental Safety and Health

LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE. CONTAMINATED LEATHER ARTICLES, INCLUDING SHOES, CANNOT BE DECONTAMINATED & SHOULD BE DESTROYED TO PREVENT REUSE.

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

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

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

Stability Indicator/Materials to Avoid: YES

STRONG OXIDIZING AGENTS, STRONG LEWIS OR MINERAL ACIDS, STRONG MINERAL & ORGANIC BASES (PRIMARY & SECOND ALIPHATIC AMINES)

Stability Condition to Avoid: REACT W/SOME CURING AGENTS MAY PRODUCE CONSIDERABLE HEAT. RUN-A-WAY CURE REACT MAY CHAR & DECOMPOSE RESIN SYSTEM.

Hazardous Decomposition Products: CO, ALDEHYDES, ACIDS, OTHER ORGANIC. SUBSTANCES MAY BE FORMED DURING COMBUSTION OR ELEVATE

D (>500F)
TEMPS DEGRADATION.

Conditions to Avoid Polymerization: SOME CURING AGENTS, E.G., ALIPHATIC POLYAMINES CAN PRODUCE EXOTHERMIC REACTIONS WHICH IN LG MASSES CAN RUNAWAY.

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

Waste Disposal Methods: NOT A HAZARD WASTE PER RCRA. USE APPROPRIATE DISPOSAL FACILITY IN ACCORDANCE WITH LOCAL REGULATIONS.

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