

SHELL OIL CO -- EPON ? RESIN 828 -- 8030-00-086-1506

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Product Identification
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Product ID:EPON ? RESIN 828
MSDS Date:06/04/1993
FSC:8030
NIIN:00-086-1506
Status Code:A
MSDS Number: CLNDK
=== Responsible Party ===
Company Name:SHELL OIL CO
Address:1 SHELL PLAZA
Box:2463
City:HOUSTON
State:TX
ZIP:77001
Country:US
Info Phone Num:713-473-9461/800-424-9300(CHEMTREC)
Emergency Phone Num:800-424-9300
Preparer's Name:ERNEST CARTER
Chemtrec Ind/Phone:(800)424-9300
CAGE:93508
=== Contractor Identification ===
Company Name:SHELL OIL CO
Address:1 SHELL PLAZA
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City:HOUSTON
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ZIP:77001
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Phone:713-473-9461/800-424-9300(CHEMTREC)
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Composition/Information on Ingredients
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Ingred Name:BISPHENOL A-EPICHLOROHYDRIN BASED EPOXY RESIN
CAS:25068-38-6
Code:F
RTECS #:CE6880000
= Wt:100.

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Hazards Identification
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LD50 LC50 Mixture:NONE

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Health Hazards Acute and Chronic:EYE CONTACT: PRODUCT IS MODERATELY IRRITATING TO THE EYES. CONTACT WITH PRODUCT AT ELEVATED TEMPERATURES CAN RESULT IN THERMAL BURNS. SKIN CONTACT:PRODUCT MAY BE IRRITATING TO THE SKIN AND MAY CAUSE SKIN SENSITIZATION.CONTACT WITH PRODUCT AT ELEVATED TEMPERATURES CAN RESULT IN THERMAL BURNS.INHALATION:NOT EXPECTED TO BE A RELEVANT ROUTE OF EX

POSURE. HOWEVER, HIGH VAPOR OR AEROSOL MIST CONCENTRATIONS MAY BE IRRITATING TO THE NOSE, THROAT AND UPPER RESPIRATORY TRACT. INGESTION: NOT EXPECTED TO BE A RELEVANT ROUTE OF EXPOSURE. GENERALLY CONSIDERED TO HAVE A 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:PRE-EXISTING SKIN, EYE AND RESPIRATORY DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT.

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

First Aid:EYE CONTACT: FLUSH EYES WITH PLENTY OF WATER FOR 15 MINUTES WHILE HOLDING EYELIDS OPEN.GET MEDICAL ATTENTION. SKIN CONTACT: FLUSH SKIN WITH WATER. FOLLOW BY WASHING WITH SOAP AND WATER.IF IRRITATION OCCURS, GET MEDICAL ATTENTION. INHALATION: REMOVE VICTIM TO FRESH AIR AND PROVIDE OXYGEN IF BREATHING IS DIFFICULT. GET MEDICAL ATTENTION. INGESTION:DO NOT INDUCE VOMITING

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GENERAL, NO TREATMENT IS NECESSARY UNLESS LARGE QUANTITIES OF PRODUCT ARE INGESTED . HOWEVER, GET MEDICAL ADVICE.

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

Flash Point Method:PMCC

Flash Point:=248.9C, 480.F

Autoignition Temp:Autoignition Temp Text:NONE

Lower Limits:NONE

Upper Limits:NONE

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

Fire Fighting Procedures:MATERIAL WILL NOT BURN UNLESS PREHEATED. DO NOT ENTER CONFINED FIRE SPACE WITH

HOUT FULL BUNKER GEAR (HELMET WITH
FACE SHIELD, BUNKERCOATS, GLOVES AND RUBBER BOOTS) INCLUDING
POSITIVE PRESSURE NIOSH APPROVED SELF-CONTAINED BREATHING
APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER.

Unusual Fire/Explosion Hazard:NONE

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

Spill Release Procedures:MAY BURN ALTHOUGH NOT READILY IGNITABLE. USE
CAUTIOUS JUDGEMENT WHEN CLEANING UP LARGE SPILLS.LARGE SPILLS WEAR
RESPIRATOR AND PROTECTIVECLOTHI
NG AS APPROPRIATE. SHUT OFF SOURCE
OF LEAK IF SAFE TO DO SO. DIKE AND CONTAIN. REMOVE WITH VACUUM
TRUCKS OR PUMP TO STORAGE/SALVAGE VESSELS. SOAK UP RESIDUE WITH AN
ABSORBENT SUCH AS CLAY, SAND OR OTHER SUITABLE MATERIAL; DISPOSE OF
PROPERLY. FLUSH AREA

Neutralizing Agent:NONE

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

Handling and Storage Precautions:STORE IN A COOL, DRY PLACE. KEEP AWAY
FROM OPEN FLAMES AND HIGH TEMPERATURES. HANDLE IN ACCORDANCE
WITH
THE HAZARD POTENTIAL OF CURING AGENT(S) USED.AVOID CONTACT WITH
EYES. AVOID PROLONGED OR REPEATED CONTACT WITH SKIN. WASH WITH
SOAP AND WATER BEFORE EATING, DRINKING, SMOKING, APPLYING
COSMETICS,

Other Precautions:NONE

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

Respiratory Protection:NONE

Ventilation:NONE

Protective Gloves:WEAR CHEMICAL RESISTANT GLOVES, POLYETHYLENE/ BUTYL
RUBBER

Eye Protection:WEAR SAFETY GLASSES AS APPROPRIATE.

Other Prote

ctive Equipment:NONE

Work Hygienic Practices:NONE

Supplemental Safety and Health

POLYVINYL CHLORIDE (PVC) GLOVES ARE NOT RECOMMENDED FOR USE WITH EPOXY
RESIN SYSTEMS.

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

Boiling Pt:>260.C, 500.F

Melt/Freeze Pt:M.P/F.P Text:NONE

Decomp Temp:Decomp Text:NONE

Vapor Pres:0.03 AT 77 DEG C

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

CAN REACT VIGOROUSLY WITH STRONG OXIDIZING AGENTS, STRONG LEWIS OR MINERAL ACIDS, AND STRONG MINERAL AND ORGANIC BASES/ ESPECIALLY PRIMARY AND SECONDARY ALIPHATIC AMINES. REACTION WITH SOME CURING AGENTS PRODUCES HEAT. RUN

Stability Condition to Avoid: CAN REACT VIGOROUSLY WITH STRONG OXIDIZING AGENTS, STRONG LEWIS OR MINERAL ACIDS, AND STRONG MINERAL AND ORGANIC BASES.

Hazardous Decomposition Products:

CARBON MONOXIDE, ALDEHYDES, ACIDS, AND

OTHER ORGANIC SUBSTANCES MAY BE FORMED DURING COMBUSTION.

Conditions to Avoid Polymerization: WILL NOT OCCUR.

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

Waste Disposal Methods: NONE

===== Other Information =====

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