

STEWARDSHIP &REGULATORY CONTRACT: -- EPON RESIN 828 -- 8030-00-086-1506

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

Product ID:EPON RESIN 828

MSDS Date:06/01/2000

FSC:8030

NIIN:00-086-1506

Status Code:A

MSDS Number: CLGBS

=== Responsible Party ===

Company Name:STEWARDSHIP &REGULATORY CONTRACT:Address:SHELL EPOXY  
RESINS LLC,

Box:4320

City:HOUSTON, TX.

State:TX

ZIP:77210-4320

Country:US

Info Phone Num:(281)544-7251

Emergency Phone Num:800-424-9300

Preparer's Name:ERN

EST CARTER

Chemtrec Ind/Phone:(800)424-9300

CAGE:UO525

=== Contractor Identification ===

Address:SHELL EPOXY RESINS LLC,

Box:4320

City:HOUSTON, TX.

State:TX

ZIP:77210-4320

Country:US

Phone:(281)544-7251

CAGE:UO525

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

Ingred Name:BISPHENOL A-EPICHLOROHYDRIN EPOXY RESIN

CAS:25068-38-6

RTECS #:CE6880000

= Wt:100.

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

LD50 LC50 Mixture:NONE

Routes of Entry: Inhalatio

n:YES Skin:YES Ingestion:YES

Health Hazards Acute and Chronic:INHALATION: THIS MATERIAL DOES NOT NORMALLY PRESENT AN INHALATION HAZARD, HOWEVER, IN APPLICATIONS WHERE VAPORS (CAUSED BY HIGH TEMPERATURE) OR MISTS (CAUSED BY MIXING) ARE CREATED, BREATHING MAY CAUSE A MILD BURNING SENSATION IN THE NOSE, THROAT AND LUNGS. EYE CONTACT: MAY CAUSE TEMPORARY DISCOMFORT OR INHALATION TO THE EYE. SKIN CONTACT: MAY BE SLIGHTLY IRRITATING TO THE SKIN. INGESTION: NOT EXPECTED TO BE RELEVANT ROUTE OF EXPOSURE.

Explanation of Carcinogenicity:NONE

Medical Cond Aggravated by Exposure:

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

First Aid:INHALATION: MOVE VICTIM TO FRESH AIR. SKIN: IF CONTACT WITH HOT MATERIAL, COOL THE BURN AREA BY FLUSHING WITH LARGE AMOUNTS OF WATER. WIPE OFF EXCESS MATERIAL FROM EXPOSED AREA. FLUSH EXPOSED AREA WITH WATER AND FOLLOW BY WASHING WITH SOAP IF AVAILABLE. EYE: COOL THE EXPOSED AREA BY FLUSHING WITH LARGE AMOUNTS OF WATER. FLUSH EYES WITH WATER WHILE HOLDING EYELIDS OPEN, REST EYES FOR 30 MINUTES. IF REDNESS, BURNING, BLURRED VISION OR SWELLING PERSIST, CONSULT A PHYSICIAN. INGESTION: HAVE VICTIM RINSE MOUTH OUT WITH WATER. THEN DRINK SIPS OF WATER TO REMOVE TASTE FROM MOUTH.

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

Flash Point Method:PMCC

Flash Point:=248.9C, 480.F

Autoignition Temp:Autoignition Temp Text:NONE

Lower Limits:NONE

Upper Li

mits:NONE

Extinguishing Media:USE WATER FOG, FOAM, DRY CHEMICAL OR CARBON DIOXIDE (CO2) TO EXTINGUISH FLAMES.

Fire Fighting Procedures:MATERIAL WILL NOT BURN UNLESS PREHEATED. CLEAR FIRE AREA OF ALL NON-EMERGENCY PERSONNEL. DO NOT ENTER CONFINED FIRE SPACE WITHOUT FULL BUNKER GEAR INCLUDING NIOSH APPROVED SCBA. COOL SURROUNDING EQUIPMENT, EXPOSED CONTAINERS, STRUCTURES WITH WATER.

Unusual Fire/Explosion Hazard:NONE

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

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Spill Release Procedures:WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT WHEN RESPONDING TO SPILLS. REFER TO SECTION 8. USE CAUTIOUS JUDGMENT WHEN CLEANING UP LARGE SPILLS. REMOVE WITH VACUUM TRUCKS OR PUMP TO STORAGE/SALVAGE VESSELS. SOAK UP RESIDUE WITH AN ABSORBENT SUCH AS CLAY, SAND OR OTHER SUITABLE MATERIAL AND DISPOSE OF PROPERTY. FLUSH AREA WITH WATER TO REMOVE TRACE RESIDUE. PLACE IN CONTAINER FOR PROPER DISPOSAL.

Neutralizing Agent:NONE

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

Handling and Storage Precautions:THIS RESIN MAY BE HANDLED, SHIPPED AND STORED AT ELEVATED TEMPERATURE IN BULK. THE RECOMMENDED PUMPING TEMPERATURE IS 180 F. AVOIS CONTACT WITH HOT LIQUID TO PREVENT THERMAL BURNS.

Other Precautions:NONE

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

Respiratory Protection:NONE

Ventilation:NONE

Protective Gloves:MAY INCLUDE GLOVES BOOTS SUITS AND OTHER ITEMS.

Eye Protection:

CHEMICAL GOGGLES, IF LIQUID CONTACT IS LIKELY, OR SAFETY GLASSES.

Other Protective Equipment:NONE

Work Hygienic Practices:NONE

Supplemental Safety and Health  
NONE

===== 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 @ 77 C

Spec Gravity:1.17

Solubility in Water:NEGLIGIBLE

Appearance and Odor:CLEAR VISCOUS LIQUID.

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

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Stability Indicator/Materials to Avoid: YES  
CAN REACT VIGOROUSLY WITH STRONG OXIDIZING AGENTS, STRONG LEWIS OR MINERAL ACIDS, AND STRONG MINERAL AND ORGANIC BASES. AVOID CONTACT WITH WATER OR LIQUIDS. DO NOT ALLOW MOLTEN MATERIAL TO CONTACT WATER OR LIQUIDS AS THIS  
Stability Condition to Avoid: AVOID HIGH TEMPERATURES.  
Hazardous Decomposition Products: NONE

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

Waste Disposal Methods: NONE

===== Regulatory Information =====

SARA Title III Information: SUPERFUND AMENDMENT & REAUTHORIZATION ACT (SARA) TITLE 111: SARA HAZARD CATEGORIES (311/312): DELAYED (CHRONIC) HEALTH HAZARD.  
Federal Regulatory Information: TOXIC SUBSTANCES CONTROL ACTS (TSCA) STATUS: THIS MATERIAL IS LISTED ON THE EPA/TSCA INVENTORY OF CHEMICAL SUBSTANCES.  
State Regulatory Information: THE FOLLOWING CHEMICALS ARE SPECIFICALLY LISTED BY INDIVIDUAL STATES; OTHER PRODUCT SPECIFIC HEALTH AND SAFETY DATA IN OTHER SECTIONS OF THE MSDS MAY ALSO BE APPLICABLE FOR STATE REQUIREMENTS. FOR DETAILS ON YOUR REGULATORY REQUIREMENTS YOU SHOULD CONTACT THE APPROPRIATE AGENCY IN YOUR STATE.

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