

SHELL OIL COMPANY, PRODUCT SAFETY & COMPLIANCE -- EPON (R) RESIN 815 --
8040-00-843-7873

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Product Identification
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Product ID:EPON (R) RESIN 815

MSDS Date:01/26/1989

FSC:8040

NIIN:00-843-7873

MSDS Number: BLKZJ

=== 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 Pho

ne Num:713-473-9461/800-424-9300 CHEMTREC

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

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

CAS:25068-38-6

RTECS #:KD4380000

Fraction by Wt: 86.5%

Other REC Limits:NONE SPECIFIED

Ingred Nam

e:N-BUTYL GLYCIDYL ETHER (BGE)
CAS:2426-08-6
RTECS #:TX4200000
Fraction by Wt: 13.5%
Other REC Limits:NONE SPECIFIED
OSHA PEL:50 PPM
ACGIH TLV:25 PPM; 9293

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

LD50 LC50 Mixture:ACUTE ORAL LD50: 9.0 G/KG (RAT) & 1.53
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:EYE: SEVERELY IRRITATING. SKIN: MILDLY
IRRITATING. PROLONGED OR REPEA
TED LIQUID CONTACT CAN RESULT IN
DEFATTING & DRYING OF SKIN WHICH MAY RESULT IN SKIN IRRITATION &
DERMATITIS. MAY CAUSE SKIN SENSIT IZATION. INHALATION: CAUSES
IRRITATION TO NOSE, THROAT & RESPIRATORY TRACT. CNS DEPRESSION.
INGESTION: CNS DEPRESSION.
Explanation of Carcinogenicity:G/KG (MOUSE); ACUTE DERMAL LD50: >20
ML/KG (RABBIT) & 2.26 G/KG (RABBIT); ACUTE INHALATION LC50: 5.510
MG/M3 8H (RAT)
Effects of Overexposure:SKIN SENSITIZATION (ALLERGY) MAY BE EVIDENCED
BY
RASHES, ESPECIALLY HIVES. EARLY TO MODERATE CNS DEPRESSION MAY
BE EVIDENCED BY GIDDINESS, HEADACHE, DIZZINESS, NAUSEA. IN EXTREME
CASES, UNCONSCIOUSNES S AND DEATH MAY OCCUR.
Medical Cond Aggravated by Exposure:PREEXISTING EYE, SKIN & RESPIRATORY
DISORDERS. SKIN OR RESPIRATORY 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: IMMED FLU
SH W/WTR-15 MIN.-HOLD EYELIDS OPEN. GET MED
AID. SKIN: REMOVE CONTAM CLOTH/SHOES. WIPE EXCESS FROM SKIN. FLUSH
W/WATER. FOLLOW BY WASHING W/SOAP & WATER. IF IRRIT OCCURS, GET MED
AID. IN HALE: REMOVE TO FRESH AIR. BREATHING DIFFICULT, GIVE
OXYGEN. GIVE CPR IF NOT BREATHING. GET MED AID. INGEST: DO NOT
INDUCE VOMIT. IF VOMIT OCCURS, KEEP HEAD BELOW HIPS/PREVENT LIQ
ASPIR. GET MED AID.

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

Flash Point Method

:SCC
Flash Point:164F,73C
Extinguishing Media:USE WATER FOG, "ALCOHOL" FOAM, DRY CHEMICAL OR CO2.
Fire Fighting Procedures:CAUTION! COMBUSTIBLE! DO NOT ENTER CONFINED
FIRE SPACE W/O FULL BUNKER GEAR, INCLUDING POSITIVE PRESSURE NIOSH
APPROVED SCBA. COOL FIRE EXPOSED CNTNRS W/WATER.
Unusual Fire/Explosion Hazard:COOL CNTNRS & CNTNR AREAS EXPOSED TO
INTENSE HEAT OR FLAME FROM FIRES W/WATER TO PREVENT VAPOR PRESS
BUIDLUP/POSS CONTAINER RUPTURE & CNTNR STRUCTURE WEAKENING.

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

Spill Release Procedures:LG SPILLS: REMOVE IGNITE SOURCE. WEAR APPROP
RSPRTR & PROTECT CLOTH. SHUT OFF LEAK SOURCE IF SAFE. DIKE/CONTAIN.
REMOVE W/VACUUM TRUCKS OR PUMP TO STORAGE/SALVAGE VESS. SOAK UP
W/ABSORB. PROPERLY DISP OSE. FLUSH AREA W/WATER TO REMOVE
TRACERESIDUES.

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

Handling and Storage Precautions:KEEP LIQ/VAP FROM IGNITE SOURCES. HOT
SURF
ACES MAY IGNITE EVEN LIQUID PRODUCT W/O SPARK OR FLAME. GROUND
FIXED EQUIP. BOND/GROUND TRANS CNTNR/EQUIP.
Other Precautions:VAPORS MAY ACCUMULATE & TRAVEL TO IGNITE SOURCE
DISTANT FROM HANDLING SITE/FLASH FIRE. KEEP CNTNRS CLOSED WHEN NOT
IN USE. USE W/ ADEQUATE VENT. CNTNRS, EVEN EMPTY, CAN CONTAIN
EXPLOS VAP. DO NOT CUT, DRILL, GRIND, WELD ON/NEAR CNTNRS.

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

Respiratory Protection:AVOID PROLONGED/REPEATED BREA
TH OF VAPOR/MIST.
IF EXPOS EXCEEDS OCCUPATIONAL EXPOS LIM, USE NIOSH-APPR'D RSPRTR TO
PREVENT OVEREXPOS. IN ACCORD W/29 CFR 1910.134, USE EITHER FULL
FACE, ATMOSPHERE- SUP PLYING RSPRTR OR AIR-PURIFYING RSPRTR.
Ventilation:USE EXPLOSION-PROOF VENTILATION AS REQUIRED TO CONTROL
VAPOR CONCENTRATIONS.
Protective Gloves:WEAR CHEMICAL RESISTANT GLOVES.
Eye Protection:WEAR CHEMICAL GOGGLES.
Other Protective Equipment:WEAR PROTECTIVE CLOTHING.
Work Hygienic Practices:WASH W/SOAP/WTR BEF

ORE EATING, DRINKING,
SMOKING, APPLYING COSMETICS, USING TOILET. EYE WASH FOUNTAINS &
SAFETY SHOWERS.

Supplemental Safety and Health

CAUTION! COMBUSTIBLE! LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE.
CONTAMINATED LEATHER ARTICLES, INCLUDING SHOES, CANNOT BE
DECONTAMINATED & SHOULD BE DESTROYED. STATIC ELECTRICITY MAY
ACCUMULATE & CREATE A FIRE HAZARD.

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

HCC:V4

Vapor Pres:1

Vapor Density:4.5

Spec Gravity:1.13

Solubility in Water:NEGLIGIBLE

Appearance and Odor:LIGHT YELLOW LIQUID.

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

Stability Indicator/Materials to Avoid:YES

STRONG OXID AGENTS, STRONG LEWIS OR MINERAL ACIDS & STRONG MINERAL &
ORGANIC BASES, ESPEC PRIM/SECOND ALIPHATIC AMINES.

Stability Condition to Avoid:AVOID HEAT AND FLAME.

Hazardous Decomposition Products:CO, ALDEHYDES AND ACIDS MAY BE FORMED
DURING COMBUSTION. REACTION WITH SOME CURING AGENTS MAY PRODUCE
CONSIDERABLE HEAT.

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

Waste Disposal Methods:PLACE IN NONLEAKING CONTAINERS AND SEAL TIGHTLY
FOR PROPER DISPOSAL.

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