View NSN Online: https://aerobasegroup.com/nsn/8040-00-822-6430

SHELL OIL COMPANY, PRODUCT SAFETY & COMPLIANCE -- EPON CURING AGENT (R) U -- 8040-00-822-6430

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

Product ID:EPON CURING AGENT (R) U

MSDS Date:07/13/1989

FSC:8040

NIIN:00-822-6430

MSDS Number: BLKZD === 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

Eme

rgency Phone 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

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

Ingred Name: EPOXY RESIN/AMINE ADDUCT

CAS:68610-56-0 Fraction by Wt: 73%

Other REC Limits: NONE SPECIFIED

Ingred Name:DIETHYLENE TRIAMI

ΝE

CAS:111-40-0

RTECS #:IE1225000 Fraction by Wt: 25%

Other REC Limits: NONE SPECIFIED

**OSHA PEL:1 PPM** 

ACGIH TLV:S, 1 PPM; 9192

Ingred Name:PHENOL

CAS:108-95-2

RTECS #:SJ3325000 Fraction by Wt: 2%

Other REC Limits: NONE SPECIFIED

OSHA PEL:5 PPM SKIN ACGIH TLV:5 PPM SKIN EPA Rpt Qty:1000 LBS DOT Rpt Qty:1000 LBS

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

LD50 LC50 Mixture:ACUTE ORAL LD50: 530 MG/KG (RAT); ACUTE\*

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

He

alth Hazards Acute and Chronic:EYE: CORROSIVE. SEVERE DAMAGE-INCLDG BLINDNESS; TEMP VISION DISTURBANCE & PERM CORNEAL INJURY. SKIN: TOXIC & FATAL IF EVEN MODERATE AMTS ARE ABSORBED. CORROSIVE. SENSITIZER. INHALE: NOSE, THROAT, RSPR TRY TRACT IRRIT. INFLAMM. INHALE/INGEST: MAY BE FATAL. LIVER, KIDNEY, HEART DAMAGE. CNS DEPRESS. RESPIRATORY ARREST.

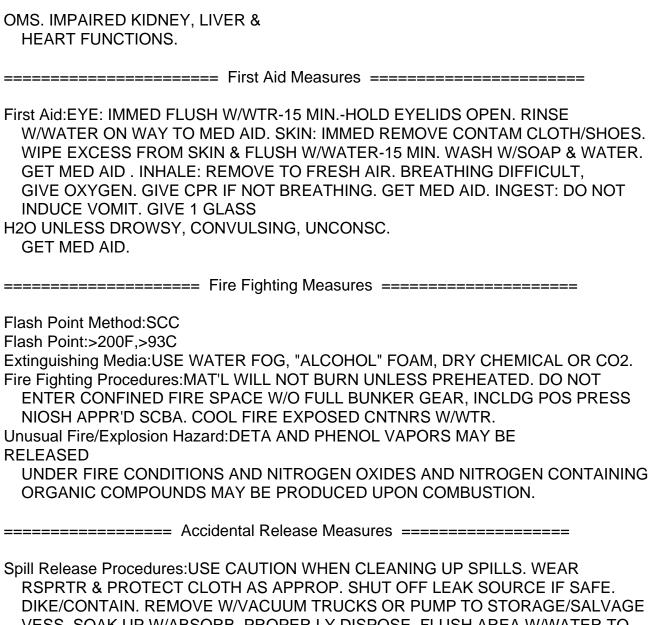
Explanation of Carcinogenicity:\*DERMAL LD50: 1.09 ML/KG (RABBIT) & 850 MG/KG (RABBIT)

Effects of Overexposure: SKIN SENSIT-RASHE

S, HIVES. LUNG SENSIT-WHEEZING

W/SHORTNESS OF BREATH & COUGH. KIDNEY DAMAGE-CHANGES IN URINE OUTPUT, URING APPEARANCE OR EDEMA. LIVER DAMAGE-LOSS OF APPETITE, JAUNDICE, PAIN IN UPPER ABDOMEN ON RIGHT SIDE. EARLY TO MODERATE CNS DEPRESS-GIDDINESS, HEADACHE, DIZZINESS, NAUSEA. POSS UNCONSCIOUS, DEATH. \*\*

Medical Cond Aggravated by Exposure:PREEXISTING EYE, SKIN & RESPIRATORY DISORDERS. SKIN OR LUNG ALLERGIES MAY INCREASE THE CHANCE OF DEVELOPING INCREASED ALLERGY SYMPT



VESS. SOAK UP W/ABSORB. PROPER LY DISPOSE. FLUSH AREA W/WATER TO REMOVE RESIDUE.

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

Handling and Storage Precautions: KEEP OUT OF SURFACE WATERS, SEWERS, WATERWAYS. DANGER! CORROSIVE. STORE IN COOL, DRY PLACE W/ADEQUATE VENT. KEEP FROM OPEN FLAMES & HIGH TEMPERATURES.

Other Precautions: SENSITIZER. CONTAINERS, EVEN THOSE THAT HAVE BEEN EMPTIED, CAN CONTAIN HZDS PRODUCT RESIDUES. MINIMIZE CONTACT W/MATERIAL. LAUNDER CONTAM CLOTH BEFORE REUSE. CONTAM LEATHER ARTICLES, INCLD SHOES, CANN OT BE DECON

TAM & SHOULD BE DESTROYED. ====== Exposure Controls/Personal Protection ======== Respiratory Protection: AVOID BREATHING VAPOR/MIST. IF EXPOS MAY OR DOES EXCEED OCCUPATIONAL EXPOS LIM, USE NIOSH-APPR'D RSPRTR TO PREVENT OVEREXPOS. IN ACCORD W/29 CFR 1910.134, USE EITHER FULL-FACE, ATMOSPHERE-SUPPLYING RS PRTR OR AIR-PURIFYING FOR ORGANIC VAPOR. Ventilation: USE VENT AS REQUIRED TO CONTROL VAPOR CONC. EYE WASH FOUNTAINS AND SAFETY SHOWERS SHOULD BE AVAILABLE FOR EMER GENCY USE. Protective Gloves: WEAR CHEMICAL RESISTANT GLOVES. Eye Protection: WEAR CHEMICAL GOGGLES. Other Protective Equipment:WEAR PROTECTIVE CLOTHING. Work Hygienic Practices: WASH W/SOAP & WATER BEFORE EATING, DRINKING, SMOKING, APPLYING COSMETICS, USING TOILET FACILITIES. Supplemental Safety and Health \*\*INGESTION OF PRODUCT MAY PRODUCE SEVERE BURNS OF MOUTH & THROAT & GASTROINTESTINAL IRRITATION. BLADDER DAMAGE, SKIN DEPIGMENTATION & CARDIAC ARREST MAY OCCUR. THERE WAS EVIDENCE FO R EMBRYO AND FETOT OXIC EFFECTS IN RATS AND TERATOGENIC EFFECTS IN MICE. ========= Physical/Chemical Properties =========== Vapor Pres:1 Spec Gravity:1.1 Solubility in Water:MISCIBLE Appearance and Odor:LIGHT YELLOW LIQUID, AMMONIACAL ODOR. ======== Stability and Reactivity Data =========== Stability Indicator/Materials to Avoid:YES CAN REACT WITH STRONG OXIDIZING AGENTS AND STRONG LEWIS OR MINERAL ACIDS. Hazardous Decomposition Products:NITROGEN OX IDES, CARBON MONOXIDE AND UNIDENTIFIED ORGANIC COMPOUNDS MAY BE FORMED DURING COMBUSTION.

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

Waste Disposal Methods:PLACE IN APPROP DISPOSAL FACILITY PER LOCAL REGS. NOTIFY AUTHORITIES IF ANY EXPOS TO GENERAL PUBLIC OR ENVIRONMENT OCCURS OR IS LIKELY TO OCCUR. REPORT SPILLS INTO OR LEADING TO SURFACES WATERS THAT C AUSE A SHEEN TO NAT'L RESPONSE CTR, 800-424-8802.

Disclaimer (provided with this information b

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