

SHELL OIL COMPANY -- EPI-CURE (R) 3125 CURING AGENT (R) V-25 EPI-CURE (R) 8525 A --
8030-00-139-4350

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

Product ID:EPI-CURE (R) 3125 CURING AGENT (R) V-25 EPI-CURE (R) 8525 A

MSDS Date:02/21/1996

FSC:8030

NIIN:00-139-4350

Status Code:A

MSDS Number: CKFZP

=== Responsible Party ===

Company Name:SHELL OIL COMPANY

Box:4320

City:HOUSTON

State:TX

ZIP:77210

Country:US

|

Info Phone Num:1-713-241-4819

Emergency Phone Num:1-713-473-9461

Chemtrec Ind/Phone:(800)424-9300

CAGE:54527

=== Contractor Identification ===

Company Name:SHELL OIL COMPANY

Box:2463

City:HOUSTON

State:TX

ZIP:77210

Country:US

Phone:800-231-6950

CAGE:54527

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

Ingred Name:EPI-CURE 3125 CURING AGENT

RTECS #:MU1006871

= Wt:100.

Ingred Name:FATTY ACID POLYAMIDES

CAS:68410-23-1

> Wt:84.

Ingred Name:TRIETHYLENETETRAMINE (TETA)

CAS:

112-24-3
RTECS #:YE6650000
< Wt:16.

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

Health Hazards Acute and Chronic: EYE CONTACT: PRODUCT MAY BE EXTREMELY IRRITATING TO THE EYES AND MAY CAUSE SEVERE DAMAGE INCLUDING BLINDNESS. VAPORS MAY BE IRRITATING SKIN CONTACT: PRODUCT MAY BE IRRITATING TO THE SKIN. PRODUCT MAY CAUSE SKIN SENSITIZATION. INHALATION: MISTS OR VAPORS MAY PRODUCE SEVERE RESPIRATORY IRRITATION. INGESTION: NOT EXPECTED TO BE A RELEVANT ROUTE OF EXPOSURE, HOWEVER, PRODUCE IRRITATION OF MOUTH AND THROAT AND THE GASTROINTESTINAL TRACT.

Effects of Overexposure: IRRITATION AS NOTED ABOVE. SKIN SENSITIZATION (ALLERGY) MAY BE EVIDENCED BY RASHES, ESPECIALLY HIVES.

Medical Condition Aggravated by Exposure: PRE-EXISTING SKIN, EYE, AND RESPIRATORY DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT.

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

First Aid: EYE: IMMEDIATELY FLUSH WITH PLENTY OF WATER @ LEAST 15 MINUTES WHILE HOLDING EYELIDS OPEN. RINSE CONTINUOUSLY WITH WATER WHILE ON WAY TO GET MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING/SHOES, WIPE EXCESS FROM SKIN & FLUSH WITH PLENTY OF WATER @ LEAST 15 MINUTES. USE SOAP IF AVAILABLE/FOLLOW BY WASHING WITH SOAP & WATER. DO NOT REUSE CLOTHING UNTIL THOROUGHLY CLEANED. GET MEDICAL ATTENTION. INHALATION: REMOVE VICTIM TO FRESH AIR & PROVIDE OXYGEN IF BREATHING IS DIFFICULT. GIVE ARTIFICIAL RESPIRATION IF NOT BREATHING. GET MEDICAL ATTENTION. INGESTION: DO NOT INDUCE VOMITING. GIVE ONE GLASS OF WATER UNLESS VICTIM IS DROWSY, CONVULSING/UNCONSCIOUS. SEEK MEDICAL ATTENTION.

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

Flash Point Method: COC
Flash Point: >220.C, 428.F
>428F

Extinguishing Media: CO2, WATER FOG, "ALCOHOL" FOAM, DRY CHEMICAL.

Fire Fighting Procedures: DO NOT USE DIRECT STREAM OF WATER. PRODUCT WILL FLOAT. WATER/FOAM MAY CAUSE FROTHING WHICH CAN BE VIOLENT IF SPRAYED INTO

CONTAINERS OF HOT/BURNING PRODUCT.MATERIAL WILL NOT BURN
UNLESS PREHEATED.***

Unusual Fire/Explosion Hazard:DO NOT ENTER CONFINED FIRE SPACE W/O FULL
BUNKER GEAR(HELMET W/FACE SHIELD,BUNKER COAT,GLOVES&RUBBER
BOOTS),INCLUDING POSITIVE PRESSURE NIOSH APPROVED SCBA.COOL FIRE
EXPOSED CONTAINERS W/WATER.DELAYED LUNG DAMAGE(PULMONARY EDEMA)CAN
BE EXPERIENCED AFTER EXPOSURE-COMBUSTION PRODUCTS,SOMETIMES HOURS
AFTER EXPOSURE.

===== Accidental Release Measures ====
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Spill Release Procedures:COMPONENT 2 IS RESISTANT TO BIODEGRADATION IN
BIOLOGICAL WASTE WATER TREATMENT PLANTS. IT COULD BE TOXIC TO THE
BIOMASS IN A TREATMENT PLANT AND COULD BE TOXIC TO FISH. MAY BURN
ALTHOUGH NOT READILY IGNITABLE.*

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

Other Precautions:FLUSH AREA WITH WATER TO REMOVE TRACE RESIDUE.
DISPOSE OF FLUSH SOLUTION AS ABOVE. ***SMALL SPILLS*** TAKE UP
WITH AN ABSORBENT MATERI
AL AND DISPOSE OF PROPERLY.

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

Respiratory Protection:AVOID BREATHING VAPORS/MISTS. USE A NIOSH
APPROVED RESPIRATOR AS REQUIRED TO PREVENT OVEREXPOSURE. IN ACCORD
WITH 29 CFR 1910.134, USE EITHER A FULL-FACE, ATMOSPHERE-SUPPLYING
RRESPIRATOR OR AN AIR- PURIFYING RESPIRATOR FOR ORGANIC VAPORS.

Ventilation:USE VENTILATION AS REQUIRED TO CONTROL VAPOR
CONCENTRATIONS.

Protective Gloves:CHEMICAL RESISTANT GLOVES

Eye

Protection:CHEMICAL GOGGLES

Other Protective Equipment:EYE WASH FOUNTAINS AND SAFETY SHOWERS SHOULD
BE AVAILABLE FOR EMERGENCY USE.

Supplemental Safety and Health

AVOID BREATHING VAPORS WHICH MAY BE PRODUCED UNDER SOME CONDITIONS
SUCH AS HEATING OR APPLICATIONS OF UNCURED MATERIAL IN LARGE
SURFACE AREAS (E.G. FLOORING AND PAINTING). AVOID BREATHING
AEROSOLS AND MISTS WHICH MAY BE FORMED BY VAROIOUS METHODS OF
APPLICATION.

===== Physical/Chemical Properties

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Vapor Pres:< 0.01 @ 20' C
Vapor Density:>AIR
Spec Gravity:0.96
Solubility in Water:PARTIAL

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Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES
STRONG OXIDIZING AGENTS, EPOXY RESINS
Hazardous Decomposition Products:NITROGEN OXIDES&NITROGEN CONTAINING
ORGANIC COMPOUNDS MAY BE RELEASED UPON COMBUSTION.CO&UNIDENTIFIED
ORGANIC COMPOUNDS(SOME CONTAINING NITROGEN)MAY BE FORMED DURING
THERMAL/OXIDATIVE PRDUCTS
OF DECOMP.

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Toxicological Information =====

Toxicological Information:COMPONENT 2: TRIETHYLENETETRAMINE (TETA) HAS
BEEN FOUND TO PRODUCE LIVER AND KIDNEY DAMAGE AND BRAIN CONGESTION
IN DERMALLY EXPOSED ANIMALS. TETA WA FOUND TO BE A DIRECT ACTING
MUTAGEN IN THE AMES A SSAY. IT GAVE POSITIVE RESULTS WITH AND
WITHOUT ACTIVATION.

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Ecological Information =====

Ecological:THE COMPONENTS OF THIS PRODUCT ARE
LISTED ON THE EPA/TSCA
INVENTORY OF CHEMICAL SUBSTANCES. PROTECTION OF STRATOSPHERIC
OZONE (PURSUANT TO SECTION 611 OF THE CLEAN AIR ACT AMENDMENTS FO
1990): PER 40 CFR PART 82, THIS PRODUCT COES NOT CONTAIN NOR WAS
IT DIRECTLY MANUFACTURED WITH ANY CLASS I OR CLASS II OZONE
DEPLETING SUBSTANCES.

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Disposal Considerations =====

Waste Disposal Methods:*USE CAUTIOUS JUDGMENT WHEN CLEANING UP LARGE
SPILLS.WEAR RESPIRATOR AND PROTECTIV
E CLOTHING 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 SUI
TABLE MATERIAL; DISPOSE OF PROPERLY.**

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Regulatory Information =====

State Regulatory Information:THE FOLLOWING CHEMICALS ARE SPECIFICALLY
LISTED BY INDIVIDUAL STATES; OTHER PRODUCT SPECIFIC HEALTH AND
SAFETY DATA I

N OTHER SECTIONS OF THE MSDS MAY ALSO BE APPLICABLE
FOR STATE REQUIRMENTS. FOR DET AISL ON YOUR REGULATORY REQUIRMENTS
YOU DHOULD CONTACT THE APPROPRIATE AGENCY IN YOUR STATE. 1)
TRIETHYLENETRAMINE (TETA)

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