

SHELL CHEMICAL COMPANY -- O-E-760,ALCOHOL,DENATURED,FORM 3A,GRADE III --
6810-00-543-7415

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

Product ID:O-E-760,ALCOHOL,DENATURED,FORM 3A,GRADE III

MSDS Date:01/01/1985

FSC:6810

NIIN:00-543-7415

MSDS Number: BFDQD

=== Responsible Party ===

Company Name:SHELL CHEMICAL COMPANY

Address:1 SHELL PLAZA

Box:2463

City:HOUSTON

State:TX

ZIP:77001

Country:US

Info Phone Num:71

3-241-4819

Emergency Phone Num:713-473-9461

CAGE:86961

=== Contractor Identification ===

Company Name:SHELL CHEMICAL COMPANY A DIV. OF SHELL OIL CO.

Address:1 SHELL PLAZA

Box:2463

City:HOUSTON

State:TX

ZIP:77001

Country:US

Phone:713-473-9461

CAGE:86961

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

Ingred Name:ETHYL ALCOHOL (ETHANOL)

CAS:64-17-5

RTECS #:KQ6300000

Fraction by Wt: 95.2%

OSHA PEL:1000 PPM

ACGIH TLV:1000 PPM; 9192

Ingred Name:METHYL ALCOHOL (METHANOL) (SARA

III)
CAS:67-56-1
RTECS #:PC1400000
Fraction by Wt: 4.8%
OSHA PEL:S,200PPM/250STEL
ACGIH TLV:S,200PPM/250STEL; 93
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

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Hazards Identification
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Effects of Overexposure:IRRITATION OF EYES & RESPIRATORY
TRACT,HEADACHE,DIZZINESS,NAUSEA,NARCOSIS,TREMOR,FATIGUE,DROWSINESS

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First Aid Measures
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First Aid:IRRIGATE EYES WITH WATER FOR AT LEAST 15 MINUTES.IF
SWALLOWE
D:GIVE A TABLESPOON OF SALT IN A GLASS OF WARM WATER &
REPEAT UNTIL VOMIT FLUID IS CLEAR.GIVE TWO TEASPOONFULS OF BAKING
SODA IN A GLASS OF WATER.HAVE PATIENT LIE DOWN & KEEP WARM.CALL
DOC.

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Fire Fighting Measures
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Flash Point:60F,15.6 TCC
Lower Limits:3.0
Upper Limits:15.0
Extinguishing Media:DRY CHEMICAL,FOAM,CARBON DIOXIDE,WATER SPRAY
INEFFECTIVE
Fire Fighting Procedures:WEAR SELF-CNTND BRTHG APP;H*2O SPRAY COOL
CONT.
Unusual F
ire/Explosion Hazard:CONTAINERS MAY EXPLODE IN HEAT OF FIRE.
FLUID IS DANGEROUS WHEN EXPOSED TO FIRE/HEAT:EXPLOSION RISK.

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Accidental Release Measures
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Spill Release Procedures:AVOID CONTACT WITH SPARKS OR OPEN FLAME.WASH
AWAY WITH LARGE AMOUNTS OF WATER BUT NOT INTO A CONFINED
AREA.PROVIDE GOOD VENTILATION AND USE SELF CONTAINED BREATHING
APPARATUS OR ORGANIC CANISTER MASK

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Handling and Storage
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Handling and Storage Precautions:STORE IN COOL PLACE,ADEQUATE,VENTILATION.PROTECT CONTAINERS AGAINST PHYSICAL DAMAGE.STORE AWAY FROM ALL POSSIBLE IGNITION SOURCES.
Other Precautions:ELIMINATE STATIC ELECTRICITY.STORE AWAY FROM PERCHLORATES,PEROXIDES,CHROMIC ACID & NITRIC ACID.WEAR CHEMICAL GOGGLES,SELF CONTAINED BREATHING APPARATUS OR ORGANIC CANISTER MASK,GLOVES,BOOTS.

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

Respiratory Protection:SELF CONTAINED BREATHING APPARATUS OR ORGANIC CANISTER MASK.
Ventilation:AS REQUIRED TO MAINTAIN TLV
Protective Gloves:RUBBER
Eye Protection:CHEMICAL GOGGLES
Other Protective Equipment:RUBBER BOOTS,APRONS
Supplemental Safety and Health
THE ITEM COMPOSITION IS IN PERCENT BY VOLUME

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

HCC:F2
Boiling Pt:B.P. Text:173F,78.3C
Vapor Pres:45
Vapor Density:1.8
Spec Gravity:0.80
Evaporation Rate & Reference:1.4-BUTYL ACETATE
Solubility in Water:COMPLETE
Appearance and Odor:COLORLESS,CLEAR,MOBILE LIQUID,MILD ALCOHOLIC ODOR

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

Stability Indicator/Materials to Avoid:YES
STRONG OXIDIZERS,PERCHLORATES,CHROMIC ACID,NITRIC ACID
Stability Condition to Avoid:IGNITION SOURCES;SOURCES OF STATIC ELECTRICITY
Hazardous Decomposition Products:METHANOL ON EVAPORATION,INCOMPLETE COMBUSTION MAY RELEASE CO

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

Waste Disposal Methods:HANDLE& DISPOSE IN FULL COMPLIANCE WITH ALL APPLICABLE INTERNATIONAL,FEDERAL,STATE & LOCAL REGULATIONS. MFG SUGGESTS INCINERATION.

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