

SHELL OIL COMPANY -- ETHYL ALCOHOL -- 6810-00-924-5221

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Product Identification
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Product ID:ETHYL ALCOHOL

MSDS Date:01/01/1987

FSC:6810

NIIN:00-924-5221

MSDS Number: BFWQQ

=== Responsible Party ===

Company Name:SHELL OIL COMPANY

Address:1 SHELL PLAZA

Box:2463

City:HOUSTON

State:TX

ZIP:77001

Country:US

Info Phone Num:713-241-4819

Emergency Phone Num:713-473-9461

CAGE:SHELL

=== 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

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:ETHYL ALCOHOL (ETHANOL)

CAS:64-17-5

RTECS #:KQ6300000

Fraction by

Wt: 100%.
OSHA PEL:1000 PPM
ACGIH TLV:1000 PPM; 9192

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

Effects of Overexposure:EYES/SKIN/INHAL:IRRIT.INEST:LIVR
DMG./SYMPTONS;GIDDINESS,HEADACHE,NAUSEA,LOSS OF APETITE,JAUNDICE.

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

First Aid:INHAL:RMV TO FRESH AIR. IF NOT BRTHNG GIVE CPR; IF BRTHNG
DIFF GIVE OXYGEN. EYE:IMMED FLUSH W/PLENTY OF WATER. SKIN:WASH
W/SOAP&WATER. RMV CONTAM CLTHG&SHOES. I
NGEST:INDUCE VOMIT. RPT
UNTIL VOMIT IS C LEAR. NOTHG BY MOUTH IF UNCONSC. GET MEDICAL ATTN.

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

Flash Point:56F, 13C, TCC
Lower Limits:3.3
Upper Limits:19.
Extinguishing Media:WTR FOG, ALCOHOL FOAM, DRY CHEMICAL,CO*2
Fire Fighting Procedures:WEAR FULL BUNKR GEAR AND SCBA. COOL CNTNRS
WITH WATER.
Unusual Fire/Explosion Hazard:CNTNRS EXPSD TO INTENSE HEAT FROM FIRE
MAY RUPTURE.COOL W/WTR TO PREVENT WEARING OF CNTNR STRU
CTURE.

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

Spill Release Procedures:ELIM. IGN.SOURCES.GND HANDLING EQUIPM./SML
LEAKS:ABS.&PLACE IN CNTNRS./LG SPILLS:DIKE&CONAIN, IF VAP.FORMS USE
WTR FOG;CONTAIN RUN OFF.REMOV.W/VAC.TRUCKS.SOAK UP W/ABS.PLACE IN
NON-LEAK CNTNRS FOR DIS PSL.FLUSH AREA WITH WATER.DISPOSE OF FLUSH
SOLNS.

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

Handling and Storage Precautions:KEP AWAY FROM HT, SPARKS, FL

AME. EMPTY

CONTAINERS CAN CONTAIN EXPLOSIVE VAPORS. DO NOT CUT,
DRILL,GRIND,WELD.

Other Precautions:DO NOT USE ALUM EQUIPMENT FOR STG. OR HANDLING.

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

Respiratory Protection:USE NIOSH APPVD RESP. IF TLV IS EXCEEDED.

Ventilation:EXPL.PROOF GNL.VENTILATION.

Protective Gloves:CHEMICAL RESIST

Eye Protection:CHEMICAL GOGGLES.

Other Protective Equipment:WEAR PROTECTIVE CLOTHING.

Supplemental Safety and Health

MSDS DATED 10-21-8

5./LD50 RAT = 13.7G/KG./

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

HCC:F2

Boiling Pt:B.P. Text:173F. 78C

Vapor Pres:44.

Vapor Density:1.6

Spec Gravity:0.79

Evaporation Rate & Reference:1.6

Solubility in Water:COMPLETE

Appearance and Odor:COLORLESS, MOBILE LIQUID.

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

Stability Indicator/Materials to Avoid:YES

AVOID STRG OXID.AGTS.DO NOT UE ALUM EQUIPM.FOR STG OR HANDL

Stability Condition to Avoid:A

VOID HEAT, SPARKS, FLAME.

Hazardous Decomposition Products:INCOMPLETELY BURNED CARBON PRODUCTS,
CO*2, CO.

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

Waste Disposal Methods:IF THIS PRDCT BECOMS WST, IT WOULD BE IGNITABLE
HAZ. WST.DISPOSE IAW LOCA, STATE AND FEDERAL REGULATIONS.

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