

SHELL CHEMICAL COMPANY -- ETHYL ALCOHOL -- 6810-00-242-3645

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Product Identification
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Product ID:ETHYL ALCOHOL

MSDS Date:01/01/1987

FSC:6810

NIIN:00-242-3645

MSDS Number: BDMSV

=== Responsible Party ===

Company Name:SHELL CHEMICAL 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:86961

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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

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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

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Hazards Identification
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Effects of Overexposure:NONE NOTED

BY MFR. LOW TOXICITY & LOW HAZARD TO HEALTH.

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First Aid Measures
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First Aid:INHALE:REMOVE TO FRESH AIR, GIVE CPR/O*2 IF NEED;EYES/SKIN:FLUSH W LG AMTS H*20 FOR 15 MIN;INGEST:RINSE MOUTH; GET MEDICAL ATTENTION FOR EYES, BREATHING DIFFICULTY, OR OTHER SYMPTOMS OF OVEREXPOSURE.

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Fire Fighting Measures
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Flash Point:55F(12.8C)TCC
Lower Limits:4.3
Upper Limits:19
Extinguishing Media:CO*2,DRY CHEM,STEAM,ALCOHOL FORM
Fire Fighting Procedures:WEAR SELF-CNTD BRTHG,APP H*20 SPRAY TO COOL CONTR.
Unusual Fire/Explosion Hazard:NONE NOTED BY MANUFACTURER.

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Accidental Release Measures
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Spill Release Procedures:ELIMINATE IGNITION SOURCES. STOP LEAK. EVACUATE AREA.DO NOT TOUCH SPILLAGE. SM SPILL:ABSORB W. INERT ABSORBENT. PLACE IN CLOSED CONTAINER. FLUSH AREA W. WATER. LG SPILL: DIKE AHEAD FOR LATER DISPOSAL. NOTIFY AUTHORITIES.

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Handling and Storage
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Handling and Storage Precautions:STORE IN COOL,DRY,WELL VENTILATED AREA. PROTECT FROM PHYSICAL DAMAGE.AVOID ANY PHYSICAL CONTACT. KEEP CONTAINERS TIGHTLY CLOSED
Other Precautions:NOT KNOWN

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Exposure Controls/Personal Protection
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Respiratory Protection:WEAR SCBA,IN FIRE, OTHERWISE NIOSH APPRVD RESPIR Ventilation:MECHANICAL(GENERAL) RECOMMENDED,LOCAL EXHAUST IF NEEDED
Protective Gloves:IMPERVIOUS
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Protection:CHEM SPLASH GOGGLES
Other Protective Equipment:NORMAL WORK CLOTHING COVERING ARMS & LEGS.
Supplemental Safety and Health
MSDS FM MFR NOT DATED; HEALTH & DISPOSAL DATA ESTABLISHED LOCALLY
BECAUSE SECOND PAGE OF THE MSDS WAS MISSING AT THE TIME OF REVIEW.

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

HCC:F2
Boiling Pt:B.P. Text:172F(77.7)
Vapor Pres:44
Vapor Density:1.6
Spec Gravity:0.79
Evaporation Rate & Reference:1.6(BU-ACETATE=1)
Solubility in Water:COMPLETE
Appearance and Odor:COLORLESS,MOBIL LIQUID,PLEASANT ODOR.

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

Stability Indicator/Materials to Avoid:YES
STRONG OXIDIZING AGENTS.
Stability Condition to Avoid:HEAT, IGNITION SOURCES
Hazardous Decomposition Products:CO, CO*2

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

Waste Disposal Methods:KEEP IN COVERED DRUMS,PENDING DISPOSAL. HANDLE &
DISPOSE IN FULL COMPLIANCE WITH ALL APPLICABLE
INTERNATIONAL,FEDERAL,STATE, & LOCAL REGULATIONS.

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of this information to their
particular situation.