

ASHLAND PETROLEUM CO DIV OF ASHLAND OIL INC -- 034015 ALCOHOL-ETHANOL --  
6810-00-205-6786

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

Product ID:034015 ALCOHOL-ETHANOL

MSDS Date:09/12/1991

FSC:6810

NIIN:00-205-6786

MSDS Number: BQQLD

=== Responsible Party ===

Company Name:ASHLAND PETROLEUM CO DIV OF ASHLAND OIL INC

Address:1409 WINCHESTER AVE

Box:391

City:ASHLAND

State:KY

ZIP:41114

Country:US

Info Phone N

um:606-329-3333 / FAX 606-329-3230

Emergency Phone Num:800-274-5263

CAGE:81355

=== Contractor Identification ===

Company Name:ASHLAND INC

Address:1409 WINCHESTER AVE

Box:391

City:ASHLAND

State:KY

ZIP:41114

Country:US

Phone:800-622-6846

CAGE:81355

Company Name:BASEVIEW PETROLEUM INC

Box:265

City:EMERADO

State:ND

ZIP:58228

Country:US

CAGE:5W146

Company Name:VINING OIL CO

Address:301 2D AVE NW

Box:1197

City:JAMESTOWN

State:ND

ZIP:58401-3108

Country:US

Phone:701-252-0890

CAGE:9V533

===== C

Composition/Information on Ingredients =====

Ingred Name:ETHYL ALCOHOL (ETHANOL)

CAS:64-17-5

RTECS #:KQ6300000

Fraction by Wt: 95%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:1000 PPM

ACGIH TLV:1000 PPM; 9293

Ingred Name:ALIPHATIC PETROLEUM DISTILLATES

Fraction by Wt: 5%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:500 PPM

ACGIH TLV:100 MG/M3

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

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

Reports of Carcinoge

nicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE: MAY CAUSE IRRITATION OF EYES,  
AND MUCOUS MEMBRANES. MAY CAUSE CENTRAL NERVOUS SYSTEM DEPRESSION  
IF INHALED OR INGESTED. CHRONIC: MAY CAUSE SKIN IRRITATION OR  
DERMATITIS. MAY CAUSE LIVER DAMAGE.

Explanation of Carcinogenicity:NONE OF THE COMPOUNDS IN THIS PRODUCT IS  
LISTED BY IARC, NTP, OR OSHA AS A CARCINOGEN.

Effects of Overexposure:INHALATION/INGESTION: DROWSINESS, DIZZINESS,  
HEADACHE, GIDDINESS, NAUSE

A, VOMITING. EYES: REDNESS, TEARING,  
BLURRED VISION. SKIN: REDNESS, RASH, DRY SKIN.

Medical Cond Aggravated by Exposure:PREEXISTING EYE, SKIN, AND  
RESPIRATORY DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS  
PRODUCT. FURTHER IMPAIRMENT OF LIVER FUNCTION MAY OCCUR IF  
PREEXISTING LIVER DISORDERS EXIST.

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

First Aid:INHALATION: REMOVE TO FRESH AIR. GIVE MOUTH- TO-MOUTH  
RESUSCITATION IF NOT BREATHING. GET MEDICAL

ATTENTION IMMEDIATELY.

EYE: IMMEDIATELY FLUSH WITH RUNNING WATER FOR 15 MINUTES WHILE HOLDING EYELID. GET MEDICAL ATTENTION IMMEDIATELY. SKIN: WASH WITH SOAP & WATER. REMOVE CONTAMINATED CLOTHING. INGESTION: DO NOT INDUCE VOMITING. NOTHING BY MOUTH IF UNCONSCIOUS. GET MEDICAL ATTENTION IMMEDIATELY.

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

Flash Point Method:TCC

Flash Point:=12.8C, 55.F

Lower Limits:3.3%

Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY CHEMICAL.

Fire Fighting Procedures:WEAR FULL FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:COMBUSTION OR HEAT OF FIRE MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS.

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

Spill Release Procedures:NOTIFY SAFETY PERSONNEL OF SPILL/LEAK. PROVIDE MAXIMUM EXPLOSION-PROOF VENTILATION. ELIMINATE ALL SOURCES OF IGNITION. WEAR PROTECTIVE EQUIPMENT. CONSIDER WATER DILUTION. ABSORB WITH INERT MATERIAL.

Neutralizing Agent:NOT APPLICABLE.

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

Handling and Storage Precautions:PROTECT CONTAINERS FROM PHYSICAL DAMAGE. STORAGE AND USE CONDITIONS MUST BE SUITABLE FOR AN OSHA CLASS IB FLAMMABLE LIQUID.

Other Precautions:MAKE FREQUENT CAREFUL LEAKAGE INSPECTIONS. ISOLATE FROM OXIDIZERS, CHEMICALS CAPABLE OF SPONTANEOUS HEATING, MATERIALS REACTING WITH AIR OR MOISTURE TO LIBERATE HEAT, IGNITION SOURCES AND EXPLOSIVES. KEEP OUT OF DIRECT SUN & AWAY FROM HEAT.

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

Respiratory Protection:IF VENTILATION DOES NOT MAINTAIN INHALATION EXPOSURES BELOW PEL(TLV), USE NIOSH/MSHA APPROVED RESPIRATORS. RESPIRATORS SHOULD BE SELECTED BASED ON THE FORM AND CONCENTRATION OF CONTAMINANT IN AIR & IN ACCORDANCE WITH

H OSHA (29 CFR 1910.134).

Ventilation:USE BOTH GENERAL AND LOCAL NONSPARKING, EXPLOSION-PROOF EXHAUST VENTILATION TO MAINTAIN AIRBORNE LEVELS BELOW TLV/PEL.

Protective Gloves:WEAR IMPERVIOUS GLOVES

Eye Protection:SAFETY GLASSES/CHEMICAL SAFETY GOGGLES.

Other Protective Equipment:WEAR RUBBER BOOTS, APRONS, AND OTHER APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT SUITABLE TO THE WORK SITUATION.

Work Hygienic Practices:PRACTICE GOOD PERSONAL HYGIENE. KEEP MATERIAL OFF CLOTHES AND EQUIPME

NT. DO NOT SMOKE ANYWHERE NEAR WORK AREA.

Supplemental Safety and Health

NEVER USE WELDING OR CUTTING TORCH ON OR NEAR DRUM (EVEN EMPTY) BECAUSE PRODUCT (EVEN JUST RESIDUE) CAN IGNITE EXPLOSIVELY.

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

HCC:F2

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:>70.C, 158.F

Melt/Freeze Pt:=-113.7C, -173.F

Vapor Pres:45 MM HG

Vapor Density:>1 (AIR=1)

Spec Gravity:0.79 (WATER=1)

Evaporation Rate & Reference:6.8 (ETHYL ETHER=1)

Solubili

ty in Water:COMPLETE

Appearance and Odor:COLORLESS, MOBILE LIQUID

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS

Stability Condition to Avoid:HIGH HEAT, OPEN FLAMES AND OTHER SOURCES OF IGNITION. DO NOT USE ALUMINUM CONTAINERS FOR STORAGE AT TEMPERATURES > 120F.

Hazardous Decomposition Products:CARBON MONOXIDE CAN FORM ON INCOMPLETE COMBUSTION.

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== Disposal Considerations =====

Waste Disposal Methods: MATERIAL SHOULD BE RECLAIMED, RECYCLED OR  
INCINERATED IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL  
REGULATIONS.

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