

AAPER ALCOHOL AND CHEMICAL CO -- ALCOHOL USP, ETHYL ALCOHOL, 190 PROOF --  
6810-00-823-8002

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

Product ID:ALCOHOL USP, ETHYL ALCOHOL, 190 PROOF

MSDS Date:01/01/1996

FSC:6810

NIIN:00-823-8002

Status Code:A

MSDS Number: CHVWB

=== Responsible Party ===

Company Name:AAPER ALCOHOL AND CHEMICAL CO

Address:1101 ISAAC SHELBY DR

Box:339

City:SHELBYVILLE

State:KY

ZIP:40066-03

39

Country:US

Info Phone Num:502-633-0650

Emergency Phone Num:800-424-9300(CHEMTREC)

CAGE:61305

=== Contractor Identification ===

Company Name:AAPER ALCOHOL AND CHEMICAL CO

Address:1101 ISAAC SHELBY DR

Box:339

City:SHELBYVILLE

State:KY

ZIP:40066-0339

Country:US

Phone:502-633-0650

CAGE:61305

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

Ingred Name:ETHYL ALCOHOL; (ETHANOL)

CAS:64-17-5

RTECS #:KQ6300000

Fraction by Wt: 93.8%

OSHA PEL:1000 PPM

ACGIH TLV:1000 PPM

Ingred Nam

e:WATER  
CAS:7732-18-5  
RTECS #:ZC0110000  
Fraction by Wt: 6.2%  
OSHA PEL:N/K  
ACGIH TLV:N/K

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:INHALATION:EXPOSURE TO >1000 PPM MAY CAUSE HEADACHE, DROWSINESS AND LASSITUDE, LOSS OF APPETITE AND INABILITY TO CONCENTRATE. IRRITATION OF THROAT. INGESTION:CAN CAUSE DEPRESSION OF CENTRAL NERVOUS SYSTEM, NAUSEA, VOMITING, DIARRHEA. EYE CONTACT:LIQUID OR VAPOR MAY CAUSE IRRITATION. SKIN CONTACT:MAY (EFFECTS OF OVEREXPOSURE)  
Explanation of Carcinogenicity:NOT RELEVANT  
Effects of Overexposure:HEALTH HAZARD:CAUSE IRRITATION AND DEFATTING ON PROLONGED CONTACT. ETHYL ALCOHOL: FLAMMABLE/NERVOUS SYSTEM DEPRESSANT.  
Medical Condition Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:INGESTION:IF VICTIM IS CONSCIOUS & ABLE TO SWALLOW, HAVE VICTIM DRINK WATER/MILK TO DILUTE. NEVER GIVE ANYTHING BY MOUTH IF VICTIM IS UNCONSCIOUS/HAVING CONVULSIONS. CALL MD/CHEMTREC (POISON CONTROL) IMMEDIATELY. INDUCE VOMIT ONLY IF ADVISED BY MD/CHEM (POISON CONTROL). INHALATION:IMMEDIATELY REMOVE VICTIM TO FRESH AIR. IF VICTIM HAS STOPPED BREATHING, GIVE ARTIFICIAL RESPIRATION, PREFERABLY MOUTH-TO-MOUTH. GET MEDICAL ATTENTION IMMEDIATELY. SKIN:IMMEDIATELY FLUSH AFFECTED AREA (SUPPLEMENTAL DATA)

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

Flash Point Method:TCC  
Flash Point:56.0F,13.3C  
Lower Limits:3.3%  
Upper Limits:19%  
Extinguishing Media:USE DRY CHEM, "ALCOHOL" FOAM/CARBON DIOXIDE; WATER MAY BE INEFFECTIVE, BUT SHOULD BE USED TO KEEP FIRE-EXPOSED CONTAINERS COOL.  
Fire Fighting Procedures:USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT. IF LEAK/SPILL HAS NOT IGNITED, USE WATER SPRAY TO DISPERSE VAPORS & TO PROTECT MEN ATTEMPTING TO STOP LEAK. (SUPPLEMENTAL DATA)  
Unusual Fire/Explosion Hazard:NONE SPECIFIED BY MANUFACTURER

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

Spill Release Procedures:AVOID UNCONTROLLED RELS OF THIS MATL. WHERE SPILLS ARE POSS, COMPREHENSIVE SPILL RESPONSE PLAN SHOULD BE DEVEL & IMPLEMENTED. WEAR APPROP NIOSH APPRVD RESP PROT & PROT CLTHG AS DESCRIBED IN EMPLOYEE P ROT SECTION. CNTN SPILLED MATL.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:PROT CNTNR AGAINST PHYSICAL DMG.

DETACHED/ OUTSIDE STOR IS PREF. INSIDE STOR SHOULD BE IN NFPA APPRVD FLAMM LIQ STOR ROOM/CABINET.

Other Precautions:ALL IGNIT SOURCES SHOULD BE ELIM. SMOKING SHOULD BE PROHIBITED IN STOR AREAS. ELEC INSTALLATIONS SHOULD BE I/A/W ARTICLE 501 OF NEC. NFPA 30, FLAMM & COMBUST LIQ CODE, SHOULD BE FOLLOWED FOR ALL STOR & HNDLG.

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

Respiratory Protection:WHERE EXPOSURE IS LIKELY TO EXCEED ACCEPTABLE

CRITERIA, USE NIOSH APPROVED RESPIRATORY PROTECTION EQUIPMENT.

RESPIRATORS SHOULD BE SELECTED BASED ON THE FORM & CONCENTRATION OF CONTAMINANT IN AIR & I/ A/W OSHA (29 CFR 1910.134).

Ventilation:HANDLE IN THE PRESENCE OF ADEQUATE VENTILATION.

Protective Gloves:IMPERVIOUS GLOVES.

Eye Protection:ANSI APPROVED CHEM WORKERS GOGGS .

Other Protective Equipment:ANSI APPRVD EYE WASH FOUNTAIN & DELUGE

SHOWER . WEAR PROT CLTHG WHICH ARE IMPERVIOUS TO PROD FOR DURATION

Work Hy

gienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

FIRE FIGHT PROC:WATER SPRAY MAY BE USED TO FLUSH SPILLS AWAY FROM EXPOS & TO DILUTE SPILLS TO NONFLAMM MIXT (NFPA-49 1991). FIRST AID

PROC:AREA W/PLENTY OF COOL WATER. REMOVE & WASH CONTAM CLTHG BEFOR

E REUSE. GET MED ATTN IMMED. EYES:SHOULD BE FLUSHED FOR AT LST 15

MINS. GET MED ATTN IMMED.

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

HCC:F2

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

Mel

t/Freeze Pt:M.P/F.P Text:-173F,-114C  
Vapor Pres:44.6 @ 68F  
Vapor Density:1.59  
Spec Gravity:0.8158  
Solubility in Water:COMPLETE  
Appearance and Odor:CLEAR & ODORLESS.

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

Stability Indicator/Materials to Avoid:YES  
CONTACT W/ACETYL CHLORIDE & WIDE RANGE OF OXIDIZING AGENTS MAY REACT  
VIOLENTLY.  
Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.  
Hazardous Decomposition Products:NONE SPECIFIED BY MANUFACTURER.

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

Waste Disposal Methods:DISPOSAL MUST BE I/A/W FEDERAL, STATE & LOCAL  
REGULATIONS . ALL RECOVERED MATL SHOULD BE PACKAGED, LABELED,  
TRANSPORTED & DISPOSED OF/RECLAIMED IN CONFORMANCE W/APPLIC LAWS &  
REGS & IN CONFORMAN CE W/GOOD ENGINEERING PRACTICES.

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