

AAPER ALCOHOL & CHEMICAL CO. -- ETHYL ALCOHOL USP-200 PROOF -- 6810-01-370-8504  
===== Product Identification =====

Product ID:ETHYL ALCOHOL USP-200 PROOF  
MSDS Date:01/01/1991  
FSC:6810  
NIIN:01-370-8504  
MSDS Number: BWPHQ  
=== Responsible Party ===  
Company Name:AAPER ALCOHOL & CHEMICAL CO.  
Address:11 ISAAC SHELBY DR  
Box:339  
City:SHELBYVILLE  
State:KY  
ZIP:40066-0339  
Country:US  
Info Phone Num:502-633-0  
650  
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: 100%  
OSHA PEL:1000 PPM  
ACGIH TLV:1000 PPM

Ingred Name:FIRST AID PROC: OF COOL WATER. REMOVE

& WASH CONTAMD CLTHG  
BEFORE REUSE. GET MED ATTN IMMED. EYES: FLUSH FOR AT (ING 3)  
RTECS #:9999999ZZ

Ingred Name:ING 2: LEAST 15 MIN. GET MED ATTN IMMED.  
RTECS #:9999999ZZ

Ingred Name:SPILL PROC: REGS. AVOID UNCONTROLLED RELS OF MATL. WHERE  
SPILLS ARE POSS, A COMPREHENSIVE SPILL RESPONSE PLAN (ING 5)  
RTECS #:9999999ZZ

Ingred Name:ING 4: SHOULD BE DEVELOPED & IMPLEMENTED.  
RTECS #:9999999ZZ

Ingred Name:HNDLG/STOR PREC: ALL IGNIT SOURCES SHOULD BE ELIMINATED.  
SMOKING SHOULD BE PROHI  
BITED IN STORAGE AREAS. ELEC (ING 7)  
RTECS #:9999999ZZ

Ingred Name:ING 6:INSTALLATIONS SHOULD BE I/A/W ARTICLE 501 OF NATL  
ELEC CODE. NFPA 30, FLAMM & COMBUST LIQS CODE, SHOULD BE (ING 8)  
RTECS #:9999999ZZ

Ingred Name:ING 7: FOLLOWED FOR ALL STORAGE & HNDLG. FREQUENT CAREFUL  
LEAK INSPECTIONS SHOULD BE DONE. AUTOMATIC SPRINKLER (ING 9)  
RTECS #:9999999ZZ

Ingred Name:ING 8: SYS SHOULD BE PROVIDED. ISOLATE FROM OXIDIZERS,  
CHEMS CAPABLE OF SPONT HEATING, MATLS REACTING W/AIR OR (ING 10  
)  
RTECS #:9999999ZZ

Ingred Name:ING 9: MOISTURE TO LIBERATE HEAT, IGNIT SOURCES &  
EXPLOSIVES. CONSULT LOC FIRE CODES FOR ADDNL STORAGE INFORMATION.  
RTECS #:9999999ZZ

Ingred Name:OTHER PREC: OUT OF SUN & AWAY FROM HEAT. REMOVE CLOSURE  
CAREFULLY; INTERNAL PRESS MAY BE PRESENT. KEEP CLOSURE (ING 12)  
RTECS #:9999999ZZ

Ingred Name:ING 11: ON TO PVNT LEAKAGE. CNTNR HAZ WHEN EMPTY. SINCE  
EMPTIED CNTNRS RETAIN RESIDUAL PROD (VAP & LIQ), ALL (ING 13)  
RTECS #:9999999ZZ

Ingred Name:ING 12:

PRECAUTIONS DESCRIBED IN MSDS MUST BE OBSERVED.

CAUTION: FOR MFG, PROCESSING, REPACKAGING OR INDUSTRIAL (ING 14)  
RTECS #:9999999ZZ

Ingred Name:ING 13: USE. NOT FOR HOUSEHOLD USE.  
RTECS #:9999999ZZ

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===== 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 OVER 1000  
PPM

MAY CAUSE HEADACHE, DROWSINESS & LASSITUDE, LOSS OF APPETITE &  
INABILITY TO CONCENTRATE. IRRITATION OF THE THROAT. INGESTION: CAN  
CAUSE DEPRESSION OF CENTRAL NERVOUS SYSTEM, NAUSEA, VOMITING,  
DIARRHEA.EYES: LIQUID OR VAPOR MAY CAUSE IRRITATION. SKIN: MAY  
CAUSE (EFTS OF OVEREXP)

Explanation of Carcinogenicity:NOT RELEVANT

Effects of Overexposure:HLTH HAZ: IRRITATION & DEFATTING OF SKIN ON  
PROLONGED CONTACT.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFAC  
TURER.

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

First Aid:INGEST: IF CONSCIOUS & ABLE TO SWALLOW, HAVE VICTIM DRINK  
WATER OR MILK TO DILUTE. NEVER GIVE ANYTHING BY MOUTH IF  
UNCON/HAVING CONVLS. CALL MD OR CHEMTREC (POIS CTL) IMMED. INDUCE  
VOMIT ONLY IF ADVISED BY MD/CHEMTREC (POIS CTL). INHAL: IMMED  
REMOVE TO FRESH AIR. IF VICTIM HAS STOPPED BRTHG, GIVE ARTF RESP,  
PREF MOUTH-TO-MOUTH. GET MED ATTN IMMED. SKIN: IMMED FLUSH AFFECTED  
AREA W/PLE  
NTY (ING 2)

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

Flash Point Method:TCC

Flash Point:57.0F,13.9C

Lower Limits:3.3%

Upper Limits:19%

Extinguishing Media:USE DRY CHEMICAL, "ALCOHOL" FOAM OR CARBON DIOXIDE.

Fire Fighting Procedures:USE NIOSH/MSHA APPRVD SCBA & FULL PROT EQUIP.

(PERS SHOULD PERFORM ONLY THOSE FIRE FIGHT PROC FOR WHICH THEY HAVE  
BEEN TRAINED.) WATER MAY BE (SUPDAT)

Unusual Fire/Explosion Hazard:NONE SPECIFIED BY MANUFACTURER.

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== Accidental Release Measures ==

Spill Release Procedures:WEAR APPROP NIOSH/MSHA APPRVD RESP PROT & PROT CLTHG. CNTN SPILLED MATL. TRANSFER TO SECURE CNTNRS. WHERE NEC, COLLECT USING ABSORB MEDIA. IN EVENT OF UNCONTROLLED RELS OF MATL, USER SHOULD DETERM IF RELS IS REPORTABLE UNDER APPLIC LAWS & (ING 4)

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:PROTECT CNTNR AGAINST PHYSICAL DMG.

DETACHED/OUTSIDE STORAGE IS PREF. INSIDE STORAGE SHOULD BE IN NFPA APPRVD FLAMM LIQ STORAGE ROOM/CABINET. (ING 6)

Other Precautions:WHEN CONTENTS ARE BEING TRANSFERRED, METALLIC CNTNR MUST BE BONDED TO RECEIVING CNTNR & GROUNDED TO AVOID STATIC DISCHARGE. NEVER USE PRESS TO EMPTY. REPLACE CLOSURE SECURELY AFTER EACH OPENING. KEEP MATL PACKAGED IN DRUMS/BOTTLES (ING 11)

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

Respir

atory Protection:WHERE EXPOSURE IS LIKELY TO EXCEED ACCEPTABLE CRITERIA, USE NIOSH/MSHA APPRVD RESPIRATORY PROTECTIVE EQUIPMENT. RESPIRATORS SHOULD BE SELECTED BASED ON 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 APPRVD CHEM WORKERS GOGGLES .

Other Protective Equipment:WEAR PROT CLTHG WHICH IS IMPERVIOUS TO PROD FOR DURATION OF ANTIC EXPOS IF THERE IS POTNTL FOR PRLNG/RPTD SKIN CONTACT.

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

FIRE FIGHT PROC: INEFTIVE, BUT WATER SHOULD BE USED TO KEEP FIRE-EXPOS CNTNRS COOL. IF LEAK/SPILL HAS NOT IGNITED, USE WATER SPRAY TO DISPERSE VAPS & TO PROTECT MEN ATTEMPTING TO STOP LEAK. WATER SPRAY MAY BE USED TO FLUSH SPILLS AWAY FROMEXPOS & TO DILUTE SPILLS TO NONFLAMM MIXTURES (NFPA-49 1991).

==== Physical/Chemic =====

al Properties =====

Boiling Pt:B.P. Text:173F,78C  
Melt/Freeze Pt:M.P/F.P Text:-173F,-114C  
Vapor Pres:44.6 @ 68F  
Vapor Density:1.59  
Spec Gravity:0.794 @ 60F  
Solubility in Water:COMPLETE  
Appearance and Odor:CLEAR AND COLORLESS.

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

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

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

Waste Disposal Methods:ALL RECOVERED MATERIAL SHOULD BE PACKAGED,  
LABELED, TRANSPORTED AND DISPOSED OF OR RECLAIMED IN CONFORMANCE  
WITH APPLICABLE LAWS AND REGULATIONS AND IN CONFORMANCE WITH GOOD  
ENGINEERING PRACTICES.

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