

AAPER ALCOHOL AND CHEMICAL CO -- ALCOHOL USP, ETHYL ALCOHOL, 190 PROOF --  
6505-01-276-6152

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

Product ID:ALCOHOL USP, ETHYL ALCOHOL, 190 PROOF

MSDS Date:01/01/1996

FSC:6505

NIIN:01-276-6152

MSDS Number: CDLQK

=== Responsible Party ===

Company Name:AAPER ALCOHOL AND CHEMICAL CO

Address:1101 ISAAC SHELBY DR

Box:339

City:SHELBYVILLE

State:KY

ZIP:40066-0339

Country:US

Info Phone Num:502-633-0650

Emergency Phone Num:800-424-9300(CHEM  
TREC)

CAGE:61305

=== Contractor Identification ===

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

Ingred Name:ETHYL ALCOHOL; (ETHANOL)

CAS:64-17-5

RTECS #:KQ6300000

Fraction by Wt: 92.42%

OSHA PEL:1000 PPM

ACGIH TLV:1000 PPM

Ingred Name:WATER

CAS:7732-18-5

RTECS #:ZC0110000

Fraction by Wt: 7.58%

OSHA PEL:N/K

AC

GIH TLV:N/K

Inged Name:SUPDAT:CONTNRS. WHERE NEC, COLLECT USING ABSORB MEDIA. IN  
EVENT OF UNCONTROLLED RELS OF MATLS, USER SHOULD (ING 4)  
RTECS #:9999999ZZ

Inged Name:ING 3:DETERMINE IF RELEASE IS REPORTABLE UNDER APPLICABLE  
LAWS & REGULATIONS.  
RTECS #:9999999ZZ

Inged Name:OTHER PREC:LEAKAGE INSPECTIONS SHOULD BE DONE. AUTOMATIC  
SPRINKLER SYS SHOULD BE PROVIDED. ISOLATE FROM (ING 6)  
RTECS #:9999999ZZ

Inged Name:ING 5:OXIDIZERS, CHEMS CAPABLE OF SPONT HEATING, MATLS  
REACTI  
NG W/AIR OR MOISTURE TO LIBERATE HEAT, IGNIT SOURCES(ING 7)  
RTECS #:9999999ZZ

Inged Name:ING 6:& EXPLOS. CONSULT LOC FIRE CODES FOR ADDNL STOR INFO.  
WHEN CONTENTS ARE BEING TRANSFERRED, METALLIC CNTNR (ING 8)  
RTECS #:9999999ZZ

Inged Name:ING 7:MUST BE BONDED TO RECEIVING CNTNR & GROUNDED TO AVOID  
STATIC DISCHARGES. NEVER USE PRESS TO EMPTY. REPLACE (ING 9)  
RTECS #:9999999ZZ

Inged Name:ING 8:CLOSURE SECURELY AFTER EACH OPENING. KEEP MATL  
PACKAGED IN DRUMS/BOTTLES OUT OF SUN & AW  
AY FROM HEAT. (ING 10)  
RTECS #:9999999ZZ

Inged Name:ING 9:REMOVE CLOSURE CAREFULLY; INTERNAL PRESS MAY BE  
PRESENT. KEEP CLOSURE ON TO PVNT LEAKAGE. CNTNR HAZ WHEN (ING 11)  
RTECS #:9999999ZZ

Inged Name:ING 10:EMPTY. SINCE EMPTIED CONTNRS RETAIN RESIDUAL PROD  
(VAP & LIQ), ALL PRECS DESCRIBED ON THIS MSDS MUST BE (ING 12)  
RTECS #:9999999ZZ

Inged Name:ING 11:OBSERVED. CAUTION:FOR MANUFACTURING, PROCESSING,  
REPACKAGING OR INDUSTRIAL USE. NOT FOR HOUSEHOLD USE.  
RTECS #:9999999ZZ

Ingr

ed Name:OTHER PROT EQUIP:OF THE ANTICIPATED EXPOSURE IF THERE IS  
POTENTIAL FOR PROLONGED OR REPEATED SKIN CONTACT.  
RTECS #:9999999ZZ

===== 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 SY STEM, NAUSEA, VOMITING, DIARRHEA.  
EYE CONTACT:LIQUID OR VAPOR MAY CAUSE IRRITATION. SKIN CONTACT:MAY  
(EFTS OF OVEREXP)  
Explanation of Carcinogenicity:NOT RELEVANT  
Effects of Overexposure:HLTH HAZ:CAUSE IRRITATION AND DEFATTING ON  
PROLONGED CONTACT. ETHYL ALCOHOL: FLAMMABLE/NERVOUS SYSTEM  
DEPRESSANT.  
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

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

===== 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 INEFT, BUT SHOULD BE USED TO KEEP FIRE-EXPOSED CNTNRS COOL.  
Fire Fighting Procedures:USE NIOSH APPRVD SCBA & FULL PROT EQUIP . IF  
LEAK/SPILL HAS NOT IGNITED, USE WATER SPRAY TO DISPERSE VAPS & TO  
PROT MEN ATTEMPTING TO STOP LEAK. (SUPDAT)  
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. TRANSFER (SUPDAT)

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. FREQUENT CAREFUL (ING 5)

===== 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 (ING 13)

Work Hygienic 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 BEFORE REUSE. GET MED ATTN IMMED. EYES:SHOULD BE FLUSHED FOR AT LST 15 MINS. GET MED ATTN IMMED. SPILL

===== Physical/Chemical 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:0.8158  
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.

===== 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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