

AAPER ALCOHOL AND CHEMICAL CO. -- ETHYL ALCOHOL USP - 200 PROOF -- 6505-01-393-1640  
===== Product Identification =====

Product ID:ETHYL ALCOHOL USP - 200 PROOF  
MSDS Date:01/01/1998  
FSC:6505  
NIIN:01-393-1640  
Status Code:A  
MSDS Number: CJHRK  
=== Responsible Party ===  
Company Name:AAPER ALCOHOL AND CHEMICAL CO.  
Address:11 ISAAC SHELBY DRIVE  
Box:339  
City:SHELBYVILLE  
State:KY  
ZIP:40065  
Country:US  
Info  
Phone Num:1-800-854-6813 /POISON CONTROL CTR/  
Emergency Phone Num:1-202-483-7616-OUTSIDE U.S.  
Resp. Party Other MSDS Num.:100-A  
Chemtrec Ind/Phone:(800)424-9300

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  
CAS:64-17-5  
RTECS #:KQ6300000  
= Wt:

100.  
OSHA PEL:1000 PPM  
ACGIH TLV:1000 PPM

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

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 AND LASSITUDE, LOSS OF APPETITE AND  
INABILITY TO CONCENTRATE. IRRITATION OF THE THROAT. INGESTION: CAN  
CAUSE DEPRESSION OF CENTRAL NERVOUS SYSTEM, NAUSEA, VOMITIN  
G,  
DIARRHEA. EYE CONTACT: LIQUID OR VAPOR MAY CAUSE IRRITATION. SKIN  
CONTACT: MAY CAUSE IRRITATION AND DEFATTING OF SKIN ON PROLONGED  
CONTACT. ETHYL ALCOHOL: FLAMMABLE/N ERVOUS SYSTEM DEPRESSANT.  
Effects of Overexposure:SEE HEALTH HAZARDS.

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

First Aid:INGEST: IF VICTIM IS CONSCIOUS & ABLE TO SWALLOW, HAVE VICTIM  
DRINK WATER OR MILK TO DILUTE. NEVER GIVE ANYTHING BY MOUTH IF  
VICTIM IS UNCONSCIOUS OR HAVING CO  
NVULSIONS. CALL MD OR CHEMTREC  
(POISON CO NTROL) IMMED. INDUCE VOMITING ONLY IF ADVISED BY MD OR  
CHEMTREC (POISON CONTROL). INHAL: IMMED REMOVE VICTIM TO FRESH AIR.  
IF VICTIM HAS STOPPED BREATHING, GIVE ARTIFICIAL RESPIRATION,  
PREFERABLE MOUT H-TO-MOUTH. GET MED ATTN IMMED. SKIN: IMMED FLUSH  
AFFECTED AREA WITH PLENTY OF COOL WATER. REMOVE & WASH CONTAMINATED  
CLOTHING BEFORE REUSE. GET MED ATTN IMMED. EYES: SHOULD BE FLUSHED  
FOR AT LEAST 15 MINUTES. GET MED ATTN IMMED

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

Flash Point Method:TCC  
Flash Point:=13.3C, 56.F  
Autoignition Temp:=362.8C, 685.F  
Lower Limits:3.3%  
Upper Limits:19%  
Extinguishing Media:USE DRY CHEMICAL, "ALCOHOL" FOAM, OR CARBON  
DIOXIDE.  
Fire Fighting Procedures:USE NIOSH APPRVD SCBA & FULL PROT EQUIP .  
(NOTE:INDIVIDUALS SHOULD PERFORM ONLY THOSE FIRE-FIGHTING PROCS FOR  
WHICH THEY HAVE BEEN TRAINED.) WATER MAY BE INEFT, BUT WATER SHOULD  
BE USED TO KEEP FI

RE-EXPOS CNTNRS COOL. IF LEAK/SPILL HAS NOT  
IGNITED, USE WATER SPRAY TO DISPERSE VAPS & TO PROT MEN  
ATTEMPTING(SUPDAT)

Unusual Fire/Explosion Hazard:NFPA RATING: HEALTH - 0; FIRE - 3;  
REACTIVITY - 0. (DOES NOT APPLY TO EXPOSURE HAZARD OTHER THAN  
DURING A FIRE.)

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

Spill Release Procedures:AVOID UNCONTROLLED RELEASES OF THIS MATL.  
WHERE SPILLS ARE POSSIBLE, COMPREHENSIVE SPILL RESPONSE PLAN SHOULD  
BE DEVELOPED & IMPLEMENTED. WEAR APPROP NIOSH APPRVD RESP PROT &  
PROT CLTHG. CONTAIN SPILL ED MATL. TRANSFER TO SECURE CNTNRS. WHERE  
NEC, COLLECT USING ABSORB MEDIA. IN EVENT OF UNCONTROLLED RELEASE  
OF THIS MATL, USER SHOULD DETERMINE IF RELEASE IS REPORTABLE UNDER  
APPLIC LAWS & REGS.

===== 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. ALL IGNIT SOURCES SHOULD BE ELIM.  
SMOKING SHOULD BE PROHIBITED IN STOR & USAGE AREAS. ELEC  
INSTALLATIONS SHOULD BE I/A/W ARTICLE 501 OF NATL ELEC CODE.

Other Precautions:NFPA 30, FLAMM & COMBUST LIQS CODE, SHOULD BE  
FOLLOWED FOR STOR & HNDLG. FREQUENT CAREFUL LEAKAGE INSPECTIONS  
SHOULD BE DONE. AUTOMATIC SPRINKLIER SYS SHOULD BE PROVIDED.  
ISOLATE FROM OXIDIZERS, CHEMS CAPABLE OF SPONT HEATING, MATLS  
REACTING W/AIR OR MOISTURE TO LIBERATE  
HEAT, IGNIT SOURCES & EXPLOS  
. CONSULT (SUPDAT)

===== 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 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 CHEMICAL WORKERS GOGGLES .

Other Protective Equipment:EYE WASH & DELUGE SHOWER MTG ANSI DESIGN CRIT . WEAR PROT CLOTHING WHICH IS IMPERV TO PRODUCT FOR DURATION OF ANTICIPATED EXPOSURE IF THERE IS POTENTIAL FOR PROLONGED OR REPEATED SKIN CONTACT.

Supplemental Safety and Health

FIRE FIGHT PROC:TO STOP LEAK. WATER SPRAY MAY BE USED TO FLUSH SPILLS AWAY FROM EXPOS & TO DILUTE SPILLS TO NONFLAMM MIXTS (NFPA 49 1991). OTHER PREC:LOC FIRE AUTHS FOR ADDNL STOR INFO. WHEN CONTENTS

ARE BEING TRANSFERRED, METALLIC CNTNR MUST BE BONDED TO RECEIVING & GROUNDED TO AVOID STATIC DISCHARGES. (OTHER INFO)

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

Boiling Pt:=-113.9C, -173.F

Melt/Freeze Pt: