

AAPER ALCOHOL & CHEMICAL CO -- REAGENT ALCOHOL - 200 PROOF -- 6505-01-393-1640

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

Product ID:REAGENT ALCOHOL - 200 PROOF

MSDS Date:01/01/1991

FSC:6505

NIIN:01-393-1640

MSDS Number: CBRCY

=== Responsible Party ===

Company Name:AAPER ALCOHOL & CHEMICAL CO

Address:1101 ISAAC SHELBY DR

Box:339

City:SHELBYVILLE

State:KY

ZIP:40066-0339

Country:US

Info Phone Num:502-633-06

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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. FOR PURE ETHYL ALCOHOL: BP: 173F,78C. VP:  
44.6 @ 68F. MP: -173F,-114C. VAP DENS: 1.59. (ING 2)

CAS:64-17-5

RTECS #:KQ6300000

Fraction by Wt

: 90.50%  
OSHA PEL:1000 PPM  
ACGIH TLV:1000 PPM

Ingred Name:ING 1: LEL: 3.3%. UEL: 19%.  
RTECS #:9999999ZZ  
OSHA PEL:N/K  
ACGIH TLV:N/K

Ingred Name:METHANOL; (METHYL ALCOHOL) (SARA 313) (CERCLA)  
CAS:67-56-1  
RTECS #:PC1400000  
Fraction by Wt: 4.53%  
OSHA PEL:200 PPM, S  
ACGIH TLV:200 PPM; 250 STEL, S  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:ISOPROPYL ALCOHOL (SARA 313)  
CAS:67-63-0  
RTECS #:NT8050000  
Fraction by Wt: 4.97%  
OSHA PEL:400 PPM  
ACGIH TLV:400 PPM; 500 STEL

Ingred Name:HNDLG/ST  
OR PRECS: ALL IGNIT SOURCES SHOULD BE ELIMINATED.  
SMOKING SHOULD BE PROHIBITED IN STORAGE AREAS. ELEC (ING 6)  
RTECS #:9999999ZZ

Ingred Name:ING 5:INSTALLATIONS SHOULD BE I/A/W ARTICLE 501 OF NATL  
ELEC CODE. NFPA 30, FLAMM & COMBUST LIQS CODE, SHOULD BE (ING 7)  
RTECS #:9999999ZZ

Ingred Name:ING 6:FOLLOWED FOR ALL STORAGE & HNDLG. FREQUENT CAREFUL  
LEAKAGE INSPECTIONS SHOULD BE DONE. AUTOMATIC SPRINKLER (ING 8)  
RTECS #:9999999ZZ

Ingred Name:ING 7: SYS SHOULD BE PROVIDED. ISOLATE FROM  
OXIDIZERS,  
CHEMS CAPABLE OF SPONT HEATING, MATLS REACTING W/AIR OR (ING 9)  
RTECS #:9999999ZZ

Ingred Name:ING 8: MOISTURE TO LIBERATE HEAT, IGNIT SOURCES &  
EXPLOSIVES. CONSULT LOCAL FIRE CODES FOR ADDNL STORAGE INFO.  
RTECS #:9999999ZZ

Ingred Name:OTHER PRECS: OUT OF SUN & AWAY FROM HEAT. REMOVE CLOSURE  
CAREFULLY; INTERNAL PRESS MAY BE PRESENT. KEEP CLOSURE (ING 11)  
RTECS #:9999999ZZ

Ingred Name:ING 10: ON TO PVNT LEAK. CNTNR HAZ WHEN EMPTY. SINCE  
EMPTIED CNTNRS RETAIN RESIDUAL

PROD (VAP & LIQ) ALL PRECS (ING 12)  
RTECS #:9999999ZZ

Ingred Name:ING 11: DESCRIBED IN MSDS MUST BE OBSERVED. CAUTION: FOR  
MFG, PROCESSING, REPACKING OR INDUS USE. NOT FOR HOUSEHOLD USE.  
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 O

VER 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, VOMITING,  
DIARRHEA. EYES: LIQUID OR VAPOR MAY CAUSE IRRITATION. SKIN: MAY  
(EFTS OF OVEREXP)

Explanation of Carcinogenicity:NOT RELEVANT

Effects of Overexposure:HLTH HAZ: CAUSE IRRITATION AND DEFATTING OF  
SKIN ON PROLONGED CONTACT. OTHER: INDIVIDUAL RESPONSES TO METHYL  
ALC

OHOL VARY. INGESTION OF LESS THAN 30 ML (0.34 G/KG) HAS BEEN

FATAL TO HUMANS. IN GENERAL , A FEW OUNCES MAY CAUSE BLINDNESS AND  
DEATH; AS LITTLE AS 4 ML MAY BE TOXIC IF INGESTED.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

===== 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 OR  
HAVING CONVULSIONS. CALL MD OR C

HEMTREC (POIS CTL) IMMED. INDUCE

VOMIT ONLY IF ADVISED BY MD OR 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  
(SUPDAT)

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

Flash Point Method:TCC

Flash Point:50.0F,10.0C

Lower Limits:SEE ING 1

Upper Limits:SEE ING 1

Extinguishing Media:MEDIA SUITABLE FOR SURROUNDING FIRE .

Fire Fighting Procedu

res:USE NIOSH APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT .

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 DEVELOPED & IMPLEMENTED. WEAR APPROP NIOSH APPRVD RESP PROT & PROT CLTHG. CONTAIN SPILLED MATL. TRANSFER TO SECURE CNTNRS. WHERE NEC, (SUPDAT)

Neutralizing A

gent: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 5)

Other Precautions:WHEN CONTENTS ARE BEING TRANSFERRED, METALLIC CNTNR MUST BE BONDED TO RECEIVING CNTNR & GROUNDED TO AVOID STATIC DISCHARGES. NEVER USE PRESS TO EMPTY. REPLACE CLOSURE SECURELY AFTER EACH OPENING. KEEP MATL PACKAGED IN DRUMS/BOTTLES (ING 10)

===== 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 APPRVD CHEM WORKERS GOGGLES .

Other Protective Equipment:ANSI APPRVD EYE WASH & DELUGE SHOWER .

IMPERVIOUS CLTHG IF THERE IS POTNTL FOR PRLNGD/RPTD SKIN CONTACT.

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

FIRST AID PROC: AREA W/PLENTY OF COOL WATER. REMOVE & WASH CONTAMD CLTHG BEFORE REUSE. GET MED ATTN IMMED. EYES: FLUSH EYES FOR AT LEAST 15 MIN. GET MED ATTN IMMED. SPILL PROC: COLLECT USING ABSORB ME DIA. IN EVENT OF U

UNCONTROLLED RELEASES OF MATERIAL, USER SHOULD DETERMINE  
IF RELEASE IS REPORTABLE UNDER APPLICABLE LAWS & REGULATIONS.

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

Boiling Point: B.P. Text: SEE INDEX 1  
Melt/Freeze Point: M.P./F.P. Text: SEE INDEX 1  
Vapor Pressure: SEE INDEX 1  
Vapor Density: SEE INDEX 1  
Specific Gravity: 0.798 @ 60°F  
Solubility in Water: COMPLETE  
Appearance and Odor: CLEAR AND COLORLESS.

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

Stability Indicator/Materials to Avoid: YES  
CONTACT WITH  
THAN ACETYL CHLORIDE AND A 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: ALL RECOVERED MATERIAL SHOULD BE PACKAGED,  
LABELED, TRANSPORTED AND DISPOSED OF OR RECLAIMED IN CONFORMANCE  
WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS AND  
IN CONFORMANCE  
WITH GOOD ENGINEERING PRACTICES.

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