

AAPER ALCOHOL AND CHEMICAL CO. -- ALCOHOL USP, ETHYL ALCOHOL, 200 PROOF --
6810-00-127-4532

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

Product ID:ALCOHOL USP, ETHYL ALCOHOL, 200 PROOF

MSDS Date:11/01/1998

FSC:6810

NIIN:00-127-4532

MSDS Number: CKWBW

=== Responsible Party ===

Company Name:AAPER ALCOHOL AND CHEMICAL CO.

Address:1101 ISAAC SHELBY DRIVE

Box:339

City:SHELBYVILLE

State:KY

ZIP:40066-0339

Countr

y:US

Info Phone Num:502-633-0650

Emergency Phone Num:(800)424-9300

Resp. Party Other MSDS Num.:100A

Chemtrec Ind/Phone:(800)424-9300

CAGE:61305

=== Contractor Identification ===

Company Name:AAPER ALCHOL AND CHIMCAL

Address:1101 ISSAC SHELBY DR

Box:339

City:SHELBYVILLE

State:KY

ZIP:40066-0339

Country:US

Phone:800-456-1017

CAGE:1HTF6

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

Com

pany Name:ALLIANCE CHEMICAL INC
Address:3 OAKMOOR
Box:79
City:ROUND ROCK
State:TX
ZIP:78680
Country:US
Phone:512-365-6838
Contract Num:SP0450-01-M-D224
CAGE:1LT50
Company Name:ALLIANCE CHEMICAL INC
Address:3 OAKMOOR
Box:79
City:ROUND ROCK
State:TX
ZIP:78680
Country:US
Phone:512-365-6838
Contract Num:SP0450-01-M-ZC111
CAGE:1LT50

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Composition/Information on Ingredients
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Ingred Name:ETHYL ALCOHOL
CAS:64-17-5
RTECS #:KQ6300000
= Wt:100.
OSHA PEL:1900 MG/M3;1000 PPM
ACGI
H TLV:1880 MG/M3;1000 PPM

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Hazards Identification
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Health Hazards Acute and Chronic:INHALATION: EXPOSURE TO OVER 1000 PPM
MAY CAUSE HEADACHE, DROWSINESS AND LASSITUDE, LOSS OF APPETITE, AND
INABILTY TO CONCENTRATE, IRRITATION OF THE THROAT. INGESTION: CAN
CAUSE DEPRESSION OF CENTRAL NERVOUS SYSTEM, NAUSEA, VOMITING,
DIARRHEA. EYE CONTACT: LIQUID OR VAPOR MAY CAUSE IRRITATION. SKIN
CONTACT: MAY CAUSE IRRITATION AND DEFATTING OF S
KIN ON PROLONGED
CONTACT.

Effects of Overexposure:INHALATION: EXPOSURE TO OVER 1000 PPM MAY CAUSE
HEADACHE, DROWSINESS AND LASSITUDE, LOSS OF APPETITE, AND INABILTY
TO CONCENTRATE, IRRITATION OF THE THROAT. INGESTION: CAN CAUSE
DEPRESSION OF CENTRAL NERVOUS SYSTEM, NAUSEA, VOMITING, DIARRHEA.
EYE CONTACT: LIQUID OR VAPOR MAY CAUSE IRRITATION. SKIN CONTACT:
MAY CAUSE IRRITATION AND DEFATTING OF SKIN ON PROLONGED CONTACT.

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First Aid Measures
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First Aid:SWALLOWING: IF CONSCIOUS & ABLE TO SWALLOW, HAVE VICTIM DRINK WATER OR MILK. NOTHING BY MOUTH IF UNCONSCIOUS OR CONVULSING! CALL A PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY. INDUCE VOMITING ONLY UNDER PHYSICIAN ADVICE. INHALATION: IMMEDIATELY REMOVE VICTIM TO FRESH AIR. IF BREATHING STOPPED, GIVE ARTIFICIAL RESPIRATION, PREFERABLE MOUTH-TO-MOUTH. GET IMMEDIATE MEDICAL ATTENTION! EYES OR SKIN: IMMEDIATELY FLUSH AFFECTED AREA WITH PLENTY OF COOL WATER.

EYES SHOULD BE FLUSHED FOR AT LEAST 15 MINUTES. REMOVE & WASH CONTAMINATED CLOTHES BEFORE REUSE. GET IMMEDIATE MEDICAL ATTENTION.

===== 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:DRY CHEMICAL, "ALCOHOL" FOAM, OR CARBON DIOXIDE, WATER MAY BE INEFFECTIVE, BUT WATER SHOULD BE USED TO KEEP FIRE-EXPOSED CONTAINERS COOL.

Fire Fighting Procedures:FIREFIGHTERS SHOULD WEAR SELF-CONTAINED BREATHING APPARATUS IN THE POSITIVE PRESSURE MODE WITH A FULL FACE PIECE WHEN THERE IS A POSSIBILITY OF EXPOSURE TO SMOKE, FUMES, OR HAZARDOUS DECOMPOSITION PRODUCTS.

Unusual Fire/Explosion Hazard:IF A LEAK OR SPILL HAS NOT IGNITED, USE WATER SPRAY TO DISPERSE THE VAPORS AND TO PROTECT MEN ATTEMPTING TO STOP A LEAK.WATER SPRAY MAY BE USED TO FLUSH SPILLS AWAY FROM EXPOSURES AND TO DILUTE SPILLS TO NON

FLAMMABLE MIXTURES (NFPA 49
1991)

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

Spill Release Procedures:WEAR APPROPRIATE RESPIRATORY PROTECTION AND PROTECTIVE CLOTHING AS DESCRIBED IN CONTROL MEASURES. CONTAIN SPILLED MATERIAL. TRANSFER TO SECURE CONTAINERS. WHERE NECESSARY, COLLECT USING ABSORBENT MEDIA . IN THE EVENT OF AN UNCONTROLLED RELEASED OF THIS MATERIAL, THE USER SHOULD DETERMINE IF THE RELEASE IS REPORTABLE UNDER APPLICABLE LAWS AND RE

GULATIONS.

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

Handling and Storage Precautions:PROTECT CONTAINER AGAINST PHYSICAL DAMAGE. DETACHED OR OUTSIDE STORAGE IS PREFERRED. INSIDE STORAGE SHOULD BE IN AN NFPA APPROVED FLAMMABLE LIQUID STORAGE ROOM OR CABINET. ALL IGNITION SOURCES SHOULD BE ELIMINATED. SMOKING SHOULD BE PROHIBITED IN THE STORAGE AND USAGE AREAS.

Other Precautions:ELECTRICAL INSTALLATIONS SHOULD BE IAW ARTICLE 501 OF THE NATIONAL ELEC TRICAL CODE. NFPA 30, FLAMMABLE & COMBUSTIBLE LIQUIDS CODE, SHOULD BE FOLLOWED FOR STORAGE & HANDLING. FREQUENT CAREFUL LEAKAGE I NSPECTIONS SHOULD BE DONE. AUTOMATIC SPRINKLER SYSTEM SHOULD BE PROVIDED. (SEE OTHER INFORMATION)

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

Respiratory Protection:WHERE EXPOFURE IS LIKELY TO EXCEED ACCEPTABLE CRITERIA, USE NIOSH/MSHA APPROVED RESPIRATORY PROTECTIONEQUIPMENT. RESPIRATORS SHOULD BE SELECTED BASED ON THR FO RM AND CONCENTRATION

OF CONTAMINANT IN AI R AND IN ACCORDANCE WITH OSHA (29 CFR 1910.134)

Ventilation:HANDLE IN THE PRESENCE OF ADEQUATE VENTILATION.

Protective Gloves:IMPERVIOUS.

Eye Protection:SAFETY GLASSES, CHEMICAL SAFETY GOGGLES (ANZE STANDARD Z87.1)

Other Protective Equipment:WEAR GLOVES AND PROTECTIV CLOTHING WHICH ARE IMPERVIOUS TO THE PRODUCT FOR THE DURATION OF THE ANTICIPATED EXPOSURE IF THER IS POTENIAL FOR PROLONGED OR REPEATED SKIN CONTACT.

Work Hygienic Pr

actices:NO DATA PROVIDED BY MANUFACTURER

Supplemental Safety and Health

PRODUCT NAME: ALCOHOL USP, ETHYL ALCOHOL, 200 PROOF. SYNONYMS: ANHYDROUS ETHYL ALCOHOL, DEHYDRATED ALCOHOL. CHEMICAL FAMILY: ALCOHOL. MOLECULAR WEIGHT: 46.07. FORMULA: C2H5OH.

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

HCC:F2

Boiling Pt:=78.3C, 173.F

Melt/Freeze Pt:=-113.7C, -173.F

Vapor Pres:44.6

Vapor Density:1.59

Spec Gravity:0.7940

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: GENERALLY STABLE. CONTACT WITH ACETYL CHLORIDE AND A WIDE RANGE OF OXIDIZING AGENTS MAY REACT VIOLENTLY.

Hazardous Decomposition Products: NO DATA PROVIDED BY MANUFACTURER

===== Toxicological Information =====

Toxicological Information:

NO DATA PROVIDED BY MANUFACTURER

===== Ecological Information =====

Ecological: AVOID UNCONTROLLED RELEASES OF THIS MATERIAL. WHERE SPILLS ARE POSSIBLE, A COMPREHENSIVE SPILL RESPONSE PLAN SHOULD BE DEVELOPED AND IMPLEMENTED.

===== 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.

===== MSDS Transport Information =====

Transport Information: DOT CLASSIFICATION: 3 (FLAMMABLE LIQUID). DOT PROPER SHIPPING NAME: ETHYL ALCOHOL. OTHER DOT INFORMATION: IDENTIFICATION NUMBER: UN1170, PG III. EMERGENCY RESPONSE GUIDE NO. 26.

===== Regulatory Information =====

SARA Title III Information: NO DATA PROVIDED BY MANUFACTURER

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Federal Regulatory Information:ATF DISTILLED SPIRITS ACT: USE OF ETHYL ALCOHOL WITHOUT PRIOR PAYMENT OF APPLICABLE EXCISE TAX IS STRICTLY CONTROLLED BY REGULATION PROMOLGATED & ENFORCED BY THE BUREAU OF ALCOHOL, TOBACCO AND FIREARM S (ATF). DEPARTMENT OF TREASURY GOVERNING REGULATIONS HAVE BEEN DEFINED IN TITLE 27, CODE OF FEDERAL REGULATIONS. TOXIC SUBSTANCE CONTROL ACT (TSCA): THIS PRODUCT IS LISTED IN THE TSCA INVENTORY OF CC HEMICAL SUBSTANCES.

State Regulatory Information:NO DATA PROVIDED BY MANUFACTURER.

===== Other Information =====

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