

AAPER ALCOHOL AND CHEMICAL CO. -- ALCOHOL A. C. S., ETHYL ALCOHOL, 200 PROOF --  
6810-00-242-3645

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

Product ID:ALCOHOL A. C. S., ETHYL ALCOHOL, 200 PROOF

MSDS Date:11/01/1998

FSC:6810

NIIN:00-242-3645

Status Code:A

MSDS Number: CKZPV

=== Responsible Party ===

Company Name:AAPER ALCOHOL AND CHEMICAL CO.

Address:1101 ISAAC SHELBY DRIVE

Box:339

City:SHELBYVILLE

State:

KY

ZIP:40066-0339

Country:US

Info Phone Num:502-633-0650

Emergency Phone Num:1-800-424-9300

Resp. Party Other MSDS Num.:AAPER MSDS NUMBER:100-A1

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  
Contract Num:SP0450-00-M-D627  
CAGE:61305  
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  
Contract Num:SP0450-01-M-D778  
CAGE:61305  
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-D224  
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:1000 PPM  
ACGIH TLV:1000 PPM

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Hazards Identification  
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Health Hazards Acute and Chronic:INHALATION: IRRITATION OF THE THROAT.  
INGESTION: CAN CAUSE DEPRESSION OF CENTRAL NERVOUS SYSTEM. EYE  
CONTACT: LIQUID OR VAPOR MAY CAUSE IRRITATION. SKIN CONTACT: MAY  
CAUSE IRRITATION AND DEFATTING OF SKIN ON PROLONGED CONTACT.  
Effects of Overexposure:INHALATION: EXPOSURE TO OVER

1000 PPM MAY CAUSE

HEADACHE, DROWSINESS AND LASSITUDE, LOSS OF APPETITE, AND INABILITY TO CONCENTRATE. INGESTION: CAN CAUSE NAUSEA, VOMITING, DIARRHEA.

Medical Cond Aggravated by Exposure:NO DATA PROVIDED BY RESPONSIBLE PARTY.

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

First Aid:SWALLOWING: IF VICTIM IS CONSCIOUS AND ABLE TO SWALLOW, HAVE VICTIM DRINK WATER OR MILK TO DILUTE. NEVER GIVE ANYTHING BY MOUTH IF VICTIM IS UNCONSCIOUS OR HAVING CONVULSIONS.

CALL A PHYSICIAN OR CHEM TREC (POISON CONTROL) IMMEDIATELY. INDUCE VOMITING ONLY IF ADVISED BY PHYSICIAN OR CHEMTREC (POISON CONTROL). INHALATION: IMMEDIATELY REMOVE VICTIM TO FRESH AIR. IF VICTIM HAS STOPPED BREATHING, GIVE ARTIFICIAL RESPIRATION, PREFERABLE MOUTH-TO-MOUTH. GET MEDICAL ATTENTION IMMEDIATELY. CONTACT WITH EYES OR SKIN: IMMEDIATELY FLUSH AFFECTED AREA WITH PLENTY OF COOL WATER. EYES SHOULD BE FLUSHED FOR A T LEAST 15 MINUTES.

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== Fire Fighting Measures =====

Flash Point Method:TCC

Flash Point:=13.3C, 56.F

ASTM D-56

Autoignition Temp:=362.8C, 685.F

Lower Limits:3.3

Upper Limits:19

Extinguishing Media:USE 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:IF A LEAK OR SPILL HAS NOT IGNITED, USE WATER SPRAY TO DISPERSE THE VAPORS AND TO PROTECT MEN ATTEMPTING TO STOP LEAK. WAT

ER SPRAY MAY BE USED TO FLUSH SPILLS AWAY FOR EXPOSURES AND TO DILUTE SPILLS T O NON-FLAMMABLE MIXTURES.

Unusual Fire/Explosion Hazard: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 P RODUCTS.

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

Spill Release Procedures:WEAR APPROPRIATE RESPIRATORY PROTECTION AND

PROTECTIVE CLOTHING. CONTAIN SPILLED MATERIAL. TRANSFER TO SECURE CONTAINERS. WHERE NECESSARY, COLLECT USING ABSORBENT MEDIA. IN THE EVENT OF AN UNCONTROLLED RELEASE OF THIS MATERIAL, THE USER SHOULD DETERMINE IF THE RELEASE IS REPORTABLE UNDER APPLICABLE LAWS AND REGULATIONS.

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===== 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 & USAGE AREA.

Other Precautions:AVOID UNCONTROLLED RELEASE OF THIS MATERIAL.WHERE SPILLS POSSIBLE,A COMPREHENSIVE SPILL RESPONSE PLAN SHOULD BE DEVELOPED & IMPLEMENTED.ELECTRICAL INSTALLATIONS SHOULD BE IN ACCORDANCE WITH NATIONAL ELECTRICAL CODE ARTICLE 501.NFPA 30,FLAMMABLE & COMBUSTIBLE LIQUIDS CODE,SHOULD BE FOLLOWED FOR ALL STORAGE & HANDLING

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

Respiratory Protection:WHERE EXPOSURE IS LIKELY TO EXCEED ACCEPTABLE CRITERIA, USE NIOSH/MSHA APPROVED RESPIRATORY PROTECTION EQUIPMENT. RESPIRATORS SHOULD BE SELECTED BASED ON THE FORM AND CONCENTRATION OF CONTAMINANT IN AIR AND IN ACCORDANCE WITH OSHA (29 CFR 1910.34).

Ventilation:HANDLE IN THE PRESENCE OF ADEQUATE VENTILATION.

Protective Gloves:GLOVES.

Eye P

rotection:SEE SUPPLEMENTAL BELOW.

Other Protective Equipment:WEAR PROTECTIVE CLOTHING WHICH ARE IMPERVIOUS TO THE PRODUCT FOR THE DURATION OF THE ANTICIPATED EXPOSURE IF THERE IS POTENTIAL FOR PROLONGED OR REPEATED SKIN CONTACT.

Work Hygienic Practices:REMOVE AND WASH CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

WEAR SAFETY GLASSES MEETING THE SPECIFICATIONS OF ANSI STANDARD Z87.1 WHERE NO CONTACT WITH THE EYE IS ANTICIPATED. CHEMICAL SAFETY GOGGLES

MEETING THE SPECIFICATIONS SO ANSI STANDARD Z87.1 SHOULD BE WORN WHENEVER THERE IS THE POSSIBILITY OF SPLASHING OR OTHER CONTACT WITH THE EYES.

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

HCC:F2  
Boiling Pt:=78.3C, 173.F  
Melt/Freeze Pt:=-113.7C, -173.F  
Vapor Pres:44.6 MM HG@68F  
Vapor Density:1.59  
Spec Gravity:0.7940 @60/60F  
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:GNERALLY STABLE.  
Hazardous Decomposition Products:NO DATA PROVIDED BY RESPONSIBLE PARTY.

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

Toxicological Information:NO DATA PROVIDED BY RESPONSIBLE PARTY.

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

Ecological:AVOID UNCONTRLLED RELEASES OF TH IS 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 =====

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Transport Information:DEPARTMENT OF TRANSPORTATION (DOT): DOT CLASSIFICATION: 3, (FLAMMABLE LIQUID). PROPER SHIPPING NAME: ETHYL ALCOHOL. OTHER DOT INFORMATION: IDENTIFICATION NO. UN1170. PG II. EMERGENCY RESPONSE GUIDE NO . 26. ATF DISTILLED SPIRIT ACT: USE OF ETHYL ALCOHOL WITHOUT PRIOR PAYMENT OF APPLICATION EXCISE TAX IS STRICTLY CONTROLLED BY REGULATIONS PROMULGATED & ENFORCED BY THE BUREAU OF ALCOHOL, TOBACCO, AND FIREARMS (ATF), DEPARTMENT OF THE TREASURY. GOVERNIN G REGULATIONS HAVE BEEN DEFINED IN TITLE 27, CODE OF FEDERAL REGULATIONS.

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Regulatory Information  
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Federal Regulatory Information:TOXIC SUBSTANCE CONTROL ACT (TSCA): THIS PRODUCT IS LISTED IN THE TSCA INVENTORY OF CHEMICAL SUBSTANCES.

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Other Information  
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