

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

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

Product ID:ALCOHOL USP, ETHYL ALCOHOL, 200 PROOF  
MSDS Date:02/01/1997  
FSC:6810  
NIIN:00-127-4532  
MSDS Number: BCZWW  
=== Responsible Party ===  
Company Name:AAPER ALCOHOL AND CHEMICAL CO.  
Address:1101 ISAAC SHELBY DRIVE  
Box:339  
City:SHELBYVILLE  
State:KY  
ZIP:40065-8814  
Country  
:US  
Info Phone Num:502-633-0650  
Emergency Phone Num:502-633-0650 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

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

Ingred Name:ETHYL ALCOHOL (ETHANOL)  
CAS:64-17-5  
RTECS #:KQ6300000  
Fraction by Wt: 100%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:1000 P

PM  
ACGIH TLV:1000 PPM; 9192

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Hazards Identification  
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LD50 LC50 Mixture:LD50 (ORAL RAT) IS 7060 MG/KG (ETHANOL)  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:100% ETHYL ALCOHOL IS A MILD IRRITANT  
TO BODY TISSUES. INHALED OR INGESTED IT IS A CENTRAL NERVOUS SYSTEM  
DEPRESSANT.  
Explanation of Carcinogenicity:NONE OF THE COMPOUNDS IN THIS PRODUCT IS

LISTED BY IARC, NTP, OR OSHA AS A CARCINOGEN.  
Effects of Overexposure:EYE:IRRITATION. SKIN:IRRITATION, DEFATTING.  
INHALED:HEADACHE,DROWSINESS,LASSITUDE,LOSS OF APPETITE,INABILITY TO  
CONCENTRATE. INGESTED:G/I  
IRRITATION,NAUSEA,VOMITING,DIARRHEA,CENTRAL NERVOUS SYSTEM DEP  
RESSION.  
Medical Cond Aggravated by Exposure:NONE GIVEN BY MANUFACTURER  
(SUPPLIER).

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First Aid Measures  
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First Aid:EYE:FLUSH W/WATER 15 MIN, HOLD LIDS OPEN.  
SKIN:WASH WITH SOAP  
& WATER. REMOVE CONTAMINATED CLOTHING AND LAUNDER BEFORE REUSE.  
INHALED:REMOVE TO FRESH AIR. RESTORE BREATHING IF NECESSARY.  
INGESTED:DO NOT INDUCE VOMITING. GIVE 2 LARGE GLASSES OF MILK OR  
WATER AND GET IMMEDIATE MEDICAL CARE. GIVE NOTHING BY MOUTH IF  
UNCONSCIOUS. IF IRRITATION PERSISTS OR IS SEVERE,SEE A DOCTOR.

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Fire Fighting Measures  
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Flash Point Method:TCC  
Flash Point:56.0F,13.3C  
Autoignition Temp:Autoigni  
tion Temp Text:685F  
Lower Limits:3.3  
Upper Limits:19  
Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY  
CHEMICAL (WATER MAY BE INEFFECTIVE).  
Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA &  
FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER  
SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.  
Unusual Fire/Explosion Hazard:ALCOHOL BURNS WITH A BLUE FLAME WHICH MAY  
NOT BE VISIBLE.

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Accidental Release Measures  
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Spill Release Procedures:VENTILATE AREA. WEAR APPROPRIATE RESPIRATORY PROTECTION AND PROTECTIVE CLOTHING. CONTAIN SPILLED MATERIAL. TRANSFER TO SECURE CONTAINERS. WHERE NECESSARY, COLLECT USING ABSORBENT MEDIA. ELIMINATE ANY SOURCE OF IGNITION. WASH RESIDUE WITH WATER.

Neutralizing Agent:NOT APPLICABLE.

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

Handling and Storage Precautions:STORE IN A FLAMMABLE LIQUID STORAGE ROOM OR CABINET. KEEP

CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE.

PROTECT CONTAINERS FROM PHYSICAL DAMAGE.

Other Precautions:'EMPTY' CONTAINERS MAY CONTAIN RESIDUE OR VAPORS.

TREAT THEM WITH ALL THE PRECAUTIONS DUE FULL ONES. GROUND CONTAINERS DURING TRANSFER OF LIQUID.

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

Respiratory Protection:RESPIRATOR WILL NOT NORMALLY BE NECESSARY. USE NIOSH/MSHA APPROVED AIR SUPPLIED RESPIRATOR OR RESPIRATOR FOR ORGANIC VAPOR IF EXPOSURE IS

ABOVE THE TLV/PEL. SEE 29 CFR 1910.134

FOR REGULATIONS PERTAINING TO RESPIRATOR USE.

Ventilation:MECHANICAL (GENERAL) ROOM VENTILATION IS NORMALLY ADEQUATE.

LOCAL EXHAUST MAY BE REQUIRED IF WORK AREA NOT VENTED.

Protective Gloves:NEOPRENE, NITRILE, PVC OR NATURAL RUBBER

Eye Protection:SAFETY GLASSES OR SPLASH GOGGLES

Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER.

INDUSTRIAL-TYPE WORK CLOTHING AND APRON AS REQUIRED TO PREVENT PROLONGED CONTACT.

Work Hygienic Practices:

OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND

RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING OR FOOTWEAR.

Supplemental Safety and Health

CAUTION: FOR MANUFACTURING, PROCESSING, REPACKING OR INDUSTRIAL USE.

NOT FOR HOUSEHOLD USE. USE ONLY I/A/W THE BUREAU OF ALCOHOL, TOBACCO, AND FIREARMS, DISTILLED SPIRITS ACT.

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

HCC:F2

Boiling Pt:=78.C, 172.4F

Melt/Freeze Pt:=-114.C, -173.2F

Vapor Pres:44.6 MM

Vapo

r Density:1.59

Spec Gravity:0.794

Solubility in Water:COMPLETE

Appearance and Odor:CLEAR COLORLESS LIQUID, SWEET ALCOHOL ODOR

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

ACETYL CHLORIDE AND STRONG OXIDIZING AGENTS

Stability Condition to Avoid:HIGH TEMPERATURES, SPARKS, AND OPEN FLAMES

Hazardous Decomposition Products:CARBON MONOXIDE CAN FORM ON INCOMPLETE COMBUSTION.

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posal Considerations =====

Waste Disposal Methods:DISPOSE I/A/W ALL FEDERAL, STATE AND LOCAL REGULATIONS. DGSD-SSH SUGGESTS THAT DISPOSAL MAY BE DONE BY INCINERATION.

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