

AAPER ALCOHOL & CHEMICAL CO. -- SPECIALLY DENATURED ALCOHOL 3A, 200 PROOF --
6810-00-201-0906

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

Product ID:SPECIALLY DENATURED ALCOHOL 3A, 200 PROOF

MSDS Date:11/01/1998

FSC:6810

NIIN:00-201-0906

MSDS Number: BDJHM

=== Responsible Party ===

Company Name:AAPER ALCOHOL & CHEMICAL CO.

Address:11 ISAAC SHELBY DR.

Box:339

City:SHELBYVILLE

State:KY

ZIP:40066-0339

Countr

y:US

Info Phone Num:502-633-0650

Emergency Phone Num:800-424-9300 (CHEMTREC)

CAGE:61305

=== Contractor Identification ===

Company Name:AAPER ALCOHOL AND CHEMICAL CO

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State:KY

ZIP:40066-0339

Country:US

Phone:502-633-0650

CAGE:61305

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

Ingred Name:ETHYL ALCOHOL (ETHANOL)

CAS:64-17-5

RTECS #:KQ6300000

= Wt:95.22

OSHA PEL:1000 PPM

ACGIH TLV:1000 PPM; 9192

Ingred Name:METHYL ALCOH

OL (METHANOL) (SARA III)

CAS:67-56-1

RTECS #:PC1400000

= Wt:4.78

Other REC Limits:250 PPM (STEL)

OSHA PEL:S,200PPM/250STEL

ACGIH TLV:S,200PPM/250STEL; 93

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

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

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:EYE CONTACT: LIQUID OR VAPOR MAY CAUSE IRRITATION. SKIN CONTACT: MAY CAUSE IRRITATION AND DEFATING OF SKIN ON PROLONGED CONTACT.

Effects o

f Overexposure:INHALATION: EXPOSURE TO OVER 1000 PPM MAY CAUSE IRRITATION OF THE THROAT, HEADACHE, DROWSINESS AND LASSITUDE, LOSS OF APPETITE, AND INABILITY TO CONCENTRATE. INGESTION: CAN CAUSE DEPRESSION OF CENTRAL NERVOUS SYSTEM, NAUSEA, DIARRHEA, VOMITING.

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

First Aid:ISWALLOWING: IF VICTIM IS CONSCIOUS, HAVE VICTIM DRINK WATER OR MILK TO DILUTE. NEVER GIVE ANYTHING BY MOUTH IF VICTIM IS UNCONSCIOUS OR H

AVING CONVULSIONS. CALL A PHYSICIAN OR CHEMTREC (POISON CONTROL) IMMEDIATELY. INDUCE VOMITING ONLY IF ADVISED BY PHYSICIAN. INHALATION: IMMEDIATELY REMOVE VICTIM TO FRESH AIR. IF VICTIM HAS STOPPED BREATHING, GIVE ARTIFICIAL RESPIRATION, PREFERRABLY MOUTH-TO-MOUTH. GET MEDICAL ATTENTION IMMEDIATELY. CONTACT WITH EYE OR SKIN: IMMEDIATELY FLUSH AFFECTED AREA WITH PLENTY OF COOL WATER FOR AT LEAST 15 MINUTES. REMOVE AND WASH CONTAMINATED CLOTHING BEFORE REUSE. GET MEDICAL ATTENTION IMMEDIATELY.

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

Flash Point Method:TCC

Flash Point:=12.8C, 55.F

Autoignition Temp:=362.8C, 685.F

Lower Limits:3.3

Upper Limits:19.0

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

Fire Fighting Procedures:IF LEAK OR SPILL HAS NOT IGNITED, USE WATER SPRAY TO DISPERSE VAPORS AND PROTECT MEN ATTE

MPTING TO STOP LEAK.

WATER MAY BE USED TO FLUSH SPRILLS AWAY FROM EXPOSURES AND TO DILUTE SPILLS TO NONFLAMMABLE 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 PRODUCTS.

===== 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, THE USER SHOULD DETERMINE IF RELEASE IS REPORTABLE UNDER APPLICABLE LAWS AND REGULATIONS.

Neutralizing Agent:NONE

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

Handling and Storage Precautions:PROTECT CONTAINER AGAINST PHYSICAL DAMAGE. DETACHED OR OUTSIDE STORAGE PREFERRED. INSIDE STORAGE IN

NFPA APPROVED FLAMMABLE LIQUID STORAGE ROOM OR CABINET. ELIMINATE ALL IGNITION SOURCES. NFPA 30 SHOULD BE FOLLOWED FOR STORAGE AND HANDLING. ISOLATE FROM OXIDIZERS, IGNITION SOURCES AND EXPLOSIVES.

Other Precautions:BOND AND GROUND CONTAINERS WHEN TRANSFERRING LIQUID. NEVER USE PRESSURE TO EMPTY. REPLACE CLOSURE SECURELY AFTER EACH USE. OBSERVE ALL HAZARD PRECAUTIONS FOR EMPTIED CONTAINERS. EMPTY CONTAINERS RETAIN PRODUCT RESIDUE, OBSERVE ALL PRECAUTIONS GIVEN IN MSDS. NOT FOR HOUSEHOLD USE.

===== 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 1910.134).

Ventilation:HANDLE IN THE PRESENCE OF ADEQUATE VENTILATION.

Protective Gloves:IMPER

VIIOUS.

Eye Protection:WEAR SAFETY GLASSES MEETING THE SPECIFICATION OF ANSI STANDARD Z87.1.

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

Work Hygienic Practices:DO NOT EAT, DRINK OR SMOKE WHILE WORKING WITH THIS PRODUCT.

Supplemental Safety and Health

EYE: CHEMICAL SAFETY GOOGLES MEETING THE SPECIFICATIONS OF ANSI STANDARD Z87.1 SHO

ULD BE WORN WHENEVER THERE IS THE POSSIBILITY OF SPLASHING OR OTHER CONTACT WITH THE EYES. FOR INDUSTRIAL USE ONLY. CONTAINS METHANOL: INTAKE CAN CAUSE BLINDNESS!

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

HCC:F5

Boiling Pt:=78.3C, 172.9F

Vapor Pres:44.6 MMHG

Vapor Density:1.59

Spec Gravity:0.793

Evaporation Rate & Reference:5.9 (BUTYL ACETATE=1)

Solubility in Water:COMPLETE

Appearance and Odor:CLEAR, COLORLESS LIQUID, MILD ALCOHOLIC ODOR.

Percent Volatil

es by Volume:100

===== 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:KEEP AWAY FROM HEAT OR IGNITION SOURCE

===== 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 IN CONFORMANCE WITH GOOD ENGINEERING PRACTICES.

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

Transport Information:DEPARTMENT OF TRANSPORTATION (DOT): DOT CLASSIFICATION: 3 (FLAMMABLE LIQUID). DOT PROPER SHIPPING NAME: ETHANOL SOLUTION. OTHER DOT INFORMATION: IDENTIFICATION NUMBER UN 1170, PG II. EMERGENCY RESPONSE GUIDE NO. 26. ATF DISTILLED SPIRITS ACT: USE OF ETHYL ALCOHOL WITHOUT PRIOR PAYMENT OF APPLICABLE EXCISE TAX IS STRICTLY CONTROLLED BY REGULATIONS PROMULGATED & ENFORCED BY THE BUREAU OF ALCOHOL, TOBACCO, AND FIREARMS (ATF), DEPARTMENT OF THE TREASURY. GOVERNING REGULATIONS HAVE BEEN DEFINED IN TITLE 27, CODE OF FEDERAL REGULATIONS.

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

SARA Title III Information:SECTION 313: METHANOL, 67-56-1, 4.78%.
Federal Regulatory Information:TOXIC SUBSTANCE CONTROL ACT (TSCA): THIS PRODUCT IS LISTED IN THE TOXIC SUBSTANCE CONTROL ACT (TSCA) INVENTORY OF CHEMICAL SUBSTANCES.

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

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