

AAPER ALCOHOL AND 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

Status Code:A

MSDS Number: CJXHR

=== 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:(800)424-9300

Resp. Party Other MSDS Num.:108-A

Preparer's Name:NOT PROVIDED.

Chemtrec Ind/Phone:(800)424-9300

CAGE:61305

=== Contractor Identification ===

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Country:US

Phone:502-633-0650

Contract Num:SP0450-00-X-D061

CAGE:61305

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

Ingred

Name:ETHYL ALCOHOL  
CAS:64-17-5  
RTECS #:KQ6300000  
= Wt:95.22  
Other REC Limits:NOT PROVIDED.  
OSHA PEL:1000 PPM  
ACGIH TLV:1000 PPM

Ingred Name:METHYL ALCOHOL (METHANOL) (SARA III)  
CAS:67-56-1  
RTECS #:PC1400000  
= Wt:4.78  
Other REC Limits:NOT PROVIDED.  
OSHA PEL:S,200PPM  
ACGIH TLV:S,200PPM  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

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

LD50 LC50 Mixture:NOT PROVIDED.

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

Explanation of Carcinogenicity:NOT PROVIDED. (HMIS: NOT LISTED AS A CARCINOGEN).

Effects of 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. EYE CONTACT: LIQUID OR VAPOR MAY CAUSE IRRITATION. SKIN CONTACT: MAY CAUSE IRRITATION AND DEFATING OF SKIN ON PROLONGED CONTACT.

Medical Cond Aggravated by Exposure:NOT PROVIDED.

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

First Aid:SW

ALLOWING: IF VICTIM IS CONSCIOUS, HAVE VICTIM DRINK WATER OR MILK TO DILUTE. NEVER GIVE ANYTHING BY MOUTH IF VICTIM IS UNCONSCIOUS OR HAVING 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.

===== 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 NOT IGNITED, USE WATER SPRAY TO DISPERSE VAPORS AND PROTECT MEN ATTEMPTING 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:NOT RELEVANT.

===== Handling and Storage ==

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Handling and Storage Precautions:PROTECT CONTAINER AGAINST PHYSICAL DAMAGE. DETACHED OR OUTSIDE STORAGE PREFERRED. INSIDE STORAGE IN NFPA APPROVED FALMMABLE LIQUID STORAGE ROOM OR CABINET. ELIMINATE ALL IGNITION SOURCES. NFPA 30 SHOU LD 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 A FTER EACH

USE. OBSERVE ALL HAZARD PRECAUTIONS FOR EMPTIED CONTAINERS. EMPTY CONTAINERS RETAI N PRODUCT RESIDUE, OBSERVE ALL PRECAUTIONS GIVEN IN MSDS. NOT FOR HOUSEHOLD USE.

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

Respiratory Protection: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:ADE QUATE VENTILATION.

Protective Gloves:IMPERVIOUS

Eye Protection:SAFETY GLASSES OR CHEMICAL SAFETY GOGGLES.

Other Protective Equipment:WEAR PROTECTIVE CLOTHING WHICH IS IMPERVIOUS TO THE PRODUCT FOOR 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

FOR INDUSTRIAL USE ONLY. CONTAINS METHANOL: INTAKE CAN CAUSE BLINDNESS!

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

HCC:F5

NRC/State Lic Num:NOT RELEVANT.

Boiling Pt:=78.3C, 173.F

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

Vapor Pres:44.6 MMHG @ 68F

Vapor Density:1.59

Spec Gravity:0.793

pH:NOT RELEVANT.

Viscosity:NOT PROVIDED.

Evaporation Rate & Reference:NOT PROVIDED.

Solubility in Water:COMPLETE

Appearance and Odor:CLEAR, COLORLESS.

Percent Volatiles by Volume:100

Corrosion Rate:NOT PROVIDED.

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

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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

Hazardous Decomposition Products: NOT PROVIDED.

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

Toxicological Information: NOT PROVIDED.

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

Ecological: NOT PROVIDED.

===== 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: DOT PROPER SHIPPING NAME: ETHANOL SOLUTION. UN 1170, PG II. EMERGENCY RESPONSE GUIDE NO.: 26

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

SARA Title III Information: SECTION 313: METHANOL, 67-56-1, 4.78%.

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

State Regulatory Information: NOT PROVIDED.

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

Disclaimer (provided with this information by the compiling agencies):

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e United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.