

AAPER ALCOHOL AND CHEMICAL CO -- SPECIAL DENATURED ALCOHOL 3A ANHYDROUS 200 --
6810-00-543-7415

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

Product ID:SPECIAL DENATURED ALCOHOL 3A ANHYDROUS 200

MSDS Date:01/01/1987

FSC:6810

NIIN:00-543-7415

MSDS Number: BKSRY

=== Responsible Party ===

Company Name:AAPER ALCOHOL AND CHEMICAL CO

Address:489 ROBERTS AVE

City:LOUISVILLE

State:KY

ZIP:40214-3001

Country:US

Info

Phone Num:502-633-0650

Emergency Phone Num:800-854-6813, 24 HOURS

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

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

Ingred Name:ETHYL ALCOHOL (ETHANOL)

CAS:64-17-5

RTECS #:KQ6300000

Fraction by Wt: 95.2%

Other REC Limits:NONE SPECIFIED

OSHA PEL:1000 PPM

ACGIH TLV:1000 PP

M; 9192

Ingred Name:METHYL ALCOHOL (METHANOL) (SARA III)

CAS:67-56-1

RTECS #:PC1400000

Fraction by Wt: 4.8%

Other REC Limits:TLV-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 =====

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Health Hazards Acute and Chronic:INDIVIDUAL RESPONSES TO METHYL ALCOHOL VARY. INGESTION OF LESS THAN 30 ML (0.34 G/KG) HAS BE

EN FATAL TO

HUMANS. IN GENERAL, A FEW OUNCES MAY CAUSE BLINDNESS & DEATH, AS LITTLE AS 4 ML MAY BE TOXIC IF INGESTED.

Effects of Overexposure:INHALE:EXPOSURE TO OVER 1000PPM MAY CAUSE HEADACHE, DROWSINESS & LASSITUDE, LOSS OF APPETITE & INABILITY TO CONCENTRATE. IRRITATION OF THROAT. INGESTION:DEPRESSION OF CENTRAL NERVOUS SYSTEM, NAUSEA, V OMITING, DIARRHEA. EYES:LIQUID OR VAPORMAY CAUSE IRRITATION. SKIN CONTACT:MAY CAUSE IRRITATION & DEFATTING OF SKIN.

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

First Aid:SWALLOW:IF CONSCIOUS & ABLE, HAVE VICTIM DRINK WATER OR MILK TO DILUTE.NEVER GIVE ANYTHING BY MOUTH IF UNCONSCIOUS/HAVING CONVULSIONS.CALL PHYSICIAN OR CONTROL CENTER IMMED.INDUCE VOMIT IF ADVISED TO BY MED.INHALE:REMOVE TO FRESH AIR.IF STOPPED BREATHING, GIVE CPR, PREFERABLY MOUTH-TO-MOUTH.GET MED ATTN IMMED.EYES & SKIN:IMMED FLUSH AREA W/PLENTY OF COOL WATER.FLUSH EYES FOR 15 MINS.GET MED IMMED.

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

Flash Point Method:TCC

Flash Point:55 F/13 C

Lower Limits:3.3*

Upper Limits:19*

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

Fire Fighting Procedures:IF LEAK/SPILL HAS NOT IGNITED,USE WATER SPRAY TO DISPERSE VAPOR/PROTECT MEN.WATER SPRAY MAY BE USED TO FLUSH SPILL AWAY FROM EXPOSURES & DILUTE TO NONFLAMM MIX

Unusual Fire/E

Explosion Hazard: WEAR SCBA IN POSITIVE PRESSURE MODE WITH FULL FACEPIECE WHEN THERE IS A POSSIBILITY OF EXPOSURE TO SMOKE, FUMES OR HAZARDOUS DECOMPOSITION PRODUCTS.

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

Spill Release Procedures: WEAR RESPIRATORY PROTECTION & PROTECTIVE CLOTHES. CONTAIN SPILL. TRANSFER TO SECURE CONTAINER. WHERE NECESSARY, COLLECT USING ABSORBENT. IF UNCONTROLLED RELEASE, DETERMINE IF RELEASE IS REPORTABLE UNDER APPLICABLE LAWS & REGULATIONS.

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

Handling and Storage Precautions: WHEN TRANSFER, CONTAINER MUST BE BONDED/GROUNDED TO RECEIVING CONTAINER. NEVER USE PRESSURE TO EMPTY. REPLACE CLOSURE SECURELY AFTER OPENING. KEEP **

Other Precautions: **PACKAGED IN DRUM/BOTTLES OUT OF SUN/AWAY FROM HEAT. REMOVE CLOSURE CAREFULLY, KEEP UP TO PREVENT LEAKS. CONTAINER HAZARD WHEN EMPTY. PROTECT AGAINST PHYSICAL DAMAGE. DETACHED OR OUTSIDE STORAGE PREFERRED. INSIDE STORAGE NFPA APPROVED FLAMM-***

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

Respiratory Protection: USE NIOSH/MSHA APPROVED RESPIRATORY PROTECTION EQUIPMENT IF NEEDED. RESPIRATORS SHOULD BE SELECTED BASED ON THE FORM & CONCENTRATION OF CONTAMINANT IN AIR & IN ACCORDANCE WITH OSHA (29 CFR 1910.134).

Protective Gloves: IMPERVIOUS GLOVES

Eye Protection: SAFETY GLASSES/CHEM GOGGLES MEETING SPEC

Other Protective Equipment: PROTECTIVE CLOTHING WHICH ARE IMPERVIOUS TO

PRODUCT FOR DURATION OF ANTICIPATED PROLONGED OR REPEATED EXPOSURE

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

Supplemental Safety and Health

***ABLE LIQUID STORAGE ROOM OR CABINET. ALL IGNITION SOURCES SHOULD BE ELIMINATED. SMOKING SHOULD BE PROHIBITED IN STORAGE AREAS. ELECTRICAL INSTALLATIONS SHOULD BE IN ACCORDANCE WITH ARTICLE 501 OF THE NATIONAL ELECTRICAL CODE. NFPA 30, FLAMMABLE & COMBUSTIBLE LIQUID CODE, SHOULD

BE FOLLOWED FOR ALL STORAGE & HANDLING

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

HCC:F3

Boiling Pt:B.P. Text:173F*,78C

Melt/Freeze Pt:M.P/F.P Text:-173F*-114C

Vapor Pres:44.6@60F*

Vapor Density:1.59*

Spec Gravity:0.7938 @ 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 & A WIDE RANGE OF OXIDIZING AGENTS
MAY

REACT VIOLENTLY.

Stability Condition to Avoid:N/K. *FOR PURE ETHYL ALCOHOL.

Hazardous Decomposition Products:CARBON MONOXIDE CAN FORM ON INCOMPLETE
COMBUSTION

===== Disposal Considerations =====

Waste Disposal Methods:ALL RECOVERED MATERIAL SHOULD BE PACKAGED,
LABELED, TRANSPORTED & DISPOSED OR RECLAIMED IN CONFORMANCE WITH
APPLICABLE LAWS & REGULATIONS & IN CONFORMANCE WITH GOOD
ENGINEERING PRACTICES.

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