

AAPER ALCOHOL AND CHEMICAL CO. -- SPECIALLY DENATURED ALCOHOL,(SDA) 3A,190 --  
6810-00-543-7415

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

Product ID:SPECIALLY DENATURED ALCOHOL,(SDA) 3A,190

MSDS Date:01/01/1987

FSC:6810

NIIN:00-543-7415

MSDS Number: BHCBR

=== Responsible Party ===

Company Name:AAPER ALCOHOL AND CHEMICAL CO.

Address:11 ISAAC SHELBY DRIVE

Box:339

City:SHELBYVILLE

State:KY

ZIP:40065-8814

Co

Country:US

Info Phone Num:502-633-0650

Emergency Phone Num:502-633-0650

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: 88.1%

OSHA PEL:1000 PPM

ACGIH TLV:1000 PPM; 9192

Ingred Name:METHYL A

LCOHOL (METHANOL) (SARA III)  
CAS:67-56-1  
RTECS #:PC1400000  
Fraction by Wt: 4.7%  
OSHA PEL:S,200PPM/250STEL  
ACGIH TLV:S,200PPM/250STEL; 93  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:WATER  
CAS:7732-18-5  
RTECS #:ZC0110000  
Fraction by Wt: 7.2%

Ingred Name:FUCHAIN DYE (FROM PREVIOUS ENTRY 06NOV89)

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazard

ds Acute and Chronic:INHALATION: EXPOSURE OVER 1000 PPM MAY  
CAUSE HEADACHE, DROWSINESS & LASSITUDE, NO APPETITE, INABILITY TO  
CONCENTRATE. IRRI. TO THROAT. INGESTION: DEPRESSION OF CENTRAL  
NERVOUS SYSTEM, NAUSEA, VOMITIN G, DIARRHEA, EYE: IRRI. SKIN:  
IRRI., DE-FATTING. INDIVIDUAL RESPONSE MAY VARY. INGESTION < 30 ML  
HAS BEEN FATAL, BLIND

Effects of Overexposure:MAY CAUSE EYE, SKIN & RESPIRATORY TRACT  
IRRITATION. INDIVIDUAL RESPONSES TO METHYL ALCOHOL VARY. INGESTION

OF LESS THAN 30 ML HAS BEEN FATAL TO HUMANS. IN GENERAL, A FEW  
OUNCES MAY CAUSE BLINDNESS AND DEATH; AS LITTLE AS 4 ML MAY BE  
TOXIC IF INGESTED. MAY CAUSE HEADACHE, DROWINESS, CNS DEPRESSION,  
NAUSEA, & DIARRHEA.

Medical Cond Aggravated by Exposure:PERSONS WITH A HISTORY OF AILMENTS  
OR WITH A PRE-EXISTING DISEASE INVOLVING THE SKIN, EYE, RESPIRATORY  
TRACT, LIVER OR KIDNEY MAY BE AT INCREASED RISK FROM EXPOSURE.

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

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First Aid:INHALATION:REMOVE TO FRESH AIR. RESUSCITATE IF NOT BREATHING.  
GET MEDICAL ATTENTION. EYES:IMMEDIATELY FLUSH WITH PLENTY OF WATER  
FOR 15 MINUTES. GET MEDICAL ATTENTION. SKIN:REMOVE CONTAMINATED  
CLOTHIN G. FLUSH WITH WATER. IF IRRITATION PERSISTS, GET MEDICAL  
ADVICE. INGESTION:DO NOT INDUCE VOMITING UNLESS INSTRUCTED TO DO  
SO. GIVE NOTHING BY MOUTH IF UNCONSCIOUS. GET IMMEDIATE MEDICAL  
ATTENTION.

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

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Flash Point Method:TCC

Flash Point:60.0F,15.6C

Autoignition Temp:Autoignition Temp Text:685F

Lower Limits:3.3

Extinguishing Media:USE CARBON DIOXIDE, FOAM, DRY CHEMICAL, OR WATER FOG.

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:USE SELF-CONTAINED BREATHING APPARATUS IN THE POSITIVE PRESSURE MODE/ A FU

LL FACE PIECE WHEN EXPOSED TO SMOKE, FUMES OR HAZARDOUS DECOMPOSTION 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. ELIMINATE ANY SOURCE OF IGNITI ON. VENTILATE AREA. WASH RESIDUE WITH WATER.

Neutralizing Agent:NOT APPLICABLE.

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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:MAKE FREQUENT CAREFUL LEAKAGE INSPECTIONS. ISOLATE FROM OXIDEZERS, CHEMICALS CAPABLE OF SPONTANEOUS HEATING, MATERIALS REACTING WITH AIR OR MOISTURE TO LIBERATE HEAT, IGNITION SOURCES AND EXPLOSIVES. KEEP OUT OF DIRECT SUN & AWAY FROM HEAT.

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

Respiratory Protection:IF VENTILATION DOES NOT MAINTAIN INHALATION EXPOSURES BELOW PEL(TLV), USE NIOSH/MSHA APPROVED RESPIRATORS. RESPIRATORS SHOULD BE SELECTED BASED ON THE FORM AND CONCENTRATION OF CONTAMINANT IN AIR & IN ACCORDANCE WITH OSHA (29 CFR 1910.134).

Ventilation:MECHANICAL (GENERAL) ROOM VENTILATION IS NORMALLY ADEQUATE. LOCAL EXHAUST MAY BE REQUIRED IF WORK AREA NOT VENTED.

Protective Gloves:NEOP

RENE, NITRILE, VPC OR NATURAL RUBBER

Eye Protection:SAFETY GOGGLES WITH OPTIONAL FACE SHIELD

Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER.

INDUSTRIAL-TYPE WORK CLOTHING AND APRON AS REQUIRED.

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING OR FOOTWEAR.

Supplemental Safety and Health

AVOID PROLONGED OR REPEATED EXPOSURE. DO NOT GET ON SKIN OR IN EYES. DO NOT BREATHE VAPORS OR MISTS. CAUT

ION: FOR MANUFACTURING,

PROCESSING, REPACKING OR INDUSTRIAL USE. NOT FOR HOUSHOLD USE.

CONTAINER HAZARDOUS WHEN EMPTY. EMPTIED CONTAINERS RETAIN RESIDUAL LIQUID AND VAPOR. FOLLOW PRECAUTIONS ON LABEL AND IN MSDS.

===== 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 MM \*

Vapor Density:1.59 \*

Spec Gravity:0.8150 @ 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:GENERALLY STABLE

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

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

Waste Disposal Methods:ALL RECOVERED MATERIAL SHOULD BE PACKAGED, LABELED,

TRANSPORTED, AND DISPOSED OR RECLAIMED IN ACCORDANCE WITH  
ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS AND IN  
CONFORMANCE WITH GOOD ENGINEERING PRACTICES.

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