

OCTAGON PROCESS INC. -- 5008001, SD3A ALCOHOL -- 6810-00-201-0904

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

Product ID:5008001, SD3A ALCOHOL
MSDS Date:03/30/1998
FSC:6810
NIIN:00-201-0904
Status Code:A
MSDS Number: CKVHY
=== Responsible Party ===
Company Name:OCTAGON PROCESS INC.
Address:596 RIVER ROAD
City:EDGEWATER
State:NJ
ZIP:07020
Country:US
Info Phone Num:201-945-9400
Emergency Phone Num:201-417-1
056
Resp. Party Other MSDS Num.:00063
Preparer's Name:J. J. BURGARD
Chemtrec Ind/Phone:(800)424-9300
CAGE:82925
=== Contractor Identification ===
Company Name:OCTAGON PROCESS INC.
Address:596 RIVER ROAD
Box:City:EDGEWATER
State:NJ
ZIP:07020
Country:US
Phone:201-945-9400
CAGE:82925

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

Ingred Name:ETHYL ALCOHOL (ETHANOL)
CAS:64-17-5
RTECS #:KQ6300000
= Wt:95.
OSHA PEL:1900 MG/M3;1000 PPM
ACGIH TLV:1880 MG/M3;1000 PPM

Ingred Name:

METHYL ALCOHOL (METHANOL)

CAS:67-56-1

RTECS #:PC1400000

= Wt:5.

OSHA PEL:260 MG/M3;200 PPM

ACGIH TLV:262 MG/M3;200 PPM

ACGIH STEL:328 MG/M3;250 PPM

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

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

LD50 LC50 Mixture:NOT PROVIDED BY MANUFACTURER

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

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

Health Hazards Acute and Chronic:HIGHLY FLAMMABLE! EYE: WILL CAUSE IRRITATION

AND CHEMICAL CONJUNCTIVITIS. MAY CAUSE OPTIC NERVE

DAMAGE. SKIN: MAY CAUSE DRYING AND DEFATTING OF SKIN. PROLONGED AND/OR REPEATED CONTACT WILL CAUSE CONTACT DERMATITIS. INHALATION: WILL CAUSE IRRITATION TO THE NOSE AND UPPER RESPIRATORY TRACT.

INGESTION: WILL CAUSE GIDDINESS, HEADACHE, NAUSEA AND CNS DEPRESSION. MAY CAUSE KIDNEY AND LIVER DAMAGE. MAY CAUSE BLINDNESS AND POSSIBLY DEATH IF INGESTED.

Explanation of Carcinogenicity:NOT PROVIDED BY MANUFACTURER

Effects of O

verexposure:INGESTION: WILL CAUSE GIDDINESS, HEADACHE, NAUSEA & CNS DEPRESSION. MAY CAUSE KIDNEY & LIVER DAMAGE. MAY CAUSE BLINDNESS & POSSIBLY DEATH IF INGESTED.

Medical Cond Aggravated by Exposure:NO DATA AVAILABLE

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

First Aid:EYE: FLOOD WITH WATER FOR AT LEAST 15 MINUTES. GET IMMEDIATE MEDICAL ATTENTION. SKIN: WASH WITH SOAP AND WATER. IF IRRITATION OCCURS AND PERSISTS, GET MEDICAL ATTENTION. INHALATION: MOVE VICTIM

TO FRESH AIR. IF BREATHING IS DIFFICULT, GIVE OXYGEN. IF BREATHING HAS STOPPED, ADMINISTER ARTIFICIAL RESPIRATION (MOUTH TO MOUTH IS PREFERRED) IF TRAINED - GET IMMEDIATE MEDICAL ATTENTION. INGESTION: ADMINISTER 4-8 OZ. OF WATER AND INDUCE VOMITING. GET IMMEDIATE MEDICAL ATTENTION.

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

Flash Point Method:TCC

Flash Point:=-12.8C, 55.F

Lower Limits:3.3

Upper Limits:19

Extinguishing Media:WATER SPRAY OR

FOG, FOAM, DRY CHEMICAL OR CO2.

Fire Fighting Procedures:KEEP UNPROTECTED PERSONNEL AWAY FROM FIRE ZONE. USE NIOSH-APPROVED SCBA & FULL BUNKER GEAR. KEEP FIRE EXPOSED CONTAINERS COOL WITH LARGE AMOUNTS OF WATER SPRAY.

Unusual Fire/Explosion Hazard:CONTAINERS EXPOSED TO DIRECT FLAME CONTACT SHOULD BE COOLED WITH LARGE QUANTITIES OF WATER TO PREVENT WEAKENING OF CONTAINER STRUCTURE & POSSIBLE RUPTURING OF CONTAINERS. THIS MATERIAL IS HIGHLY FLAMMABLE !

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

Spill Release Procedures:EVACUATE AREA. ISOLATE ALL IGNITION SOURCES. DIKE & CONTAIN SPILL. DO NOT ALLOW SPILL TO ENTER DRAINS, SEWERS OR WATERWAYS. RECOVER FREE-LIQUID. ABSORB REMAINING PRODUCT WITH INERT MATERIAL & PLACE IN TO PROPER CONTAINERS FOR DISPOSAL. COMPLY WITH ALL SPILL NOTIFICATION REGULATIONS. ALL RESPONSE ACTIVITIES MUST COMPLY WITH HAZWOPER (29CFR 1910.120).

Neutralizing Agent:NOT PROVIDED BY MANUFACTURER

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

Handling and Storage Precautions:ISOLATE ALL ENERGY & IGNITION SOURCES. GROUND ALL EQUIPMENT. STORE IN A COLD, DRY PLACE. KEEP AWAY FROM STRONG OXIDIZERS. DO NOT SMOKE WHILE HANDLING THIS PRODUCT!

Other Precautions:FLAMMABLE! NO SMOKING! DO NOT DRINK - MAY CAUSE BLINDNESS OR DEATH! USE EXPLOSION-PROOF MOTORS. USE NON-SPARKING TOOLS. GROUND ALL EQUIPMENT. ISOLATE IGNITION SOURCES.

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

Respiratory Protection:IF WORKING IN A CONFINED AREA OR RECOMMENDED PERMISSABLE EXPOSURE LIMITS (PEL) MAY OR ARE EXCEEDED, USE NIOSH APPROVED RESPIRATORY PROTECTION (REFER TO 29CFR 1910.134)

Ventilation:LOCAL EXHAUST: RECOMMENDED. MECHANICAL (GENERAL): FAN. SPECIAL: EXPLOSION-PROOF.

Protective Gloves:RUBBER OR NEOPRENE

Eye Protection:ALWAYS WEAR SAFETY GLASSES OR GOGGLES

Other Protective Equipment:PROVIDE LOCAL EMERGENCY SHOWERS & EYE WASH STATIONS.

USE FORCED VENTILATION TO MINIMIZE VAPOR CONCENTRATIONS
IN THE WORK PLACE.

Work Hygienic Practices:WASH HANDS & FACE AFTER HANDLING PRODUCT.
LAUNDRY CONTAMINATED CLOTHING BEFORE RE-USE.

Supplemental Safety and Health
NOT PROVIDED BY MANUFACTURER

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

HCC:F5

Boiling Pt:>73.9C, 165.F

Vapor Pres:48 (MMHG)

Vapor Density:1.4 (AIR=1)

Spec Gravity:0.81 (WATER=1)

Evaporation Rate & Reference:1.4 (BUTYL ACETATE=1)

Solubility in

Water:COMPLETE

Appearance and Odor:COLORLESS, CLEAR LIQUID, ALCOHOL ODOR

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZERS

Stability Condition to Avoid:HEAT, SPARKS, OPEN FLAME & CONTACT WITH
STRONG OXIDIZERS

Hazardous Decomposition Products:NONE

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

Toxicological Information:NOT PROVIDED BY MANUFACTURER

=====

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

Ecological:NOT PROVIDED BY MANUFACTURER

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

Waste Disposal Methods:DISPOSE OF WASTE IN COMPLIANCE WITH LOCAL, STATE
& FEDERAL REGULATIONS. RECYCLE WASTE WHERE APPLICABLE. WASTE MAY BE
CLASSIFIED AS D001 (FLAMMABLE) UNDER RCRA

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

Transport Information:NOT PROVIDED BY MANUFACTURER

=====

== Regulatory Information =====

SARA Title III Information:METHYL ALCOHOL, CAS# 67-56-1, 5% IS REGULATED UNDER SARA III SECTION 313 SUPPLIER NOTIFICATION REQUIREMENTS.

Federal Regulatory Information:ALL COMPONENTS ARE LISTED ON THE TSCA INVENTORY.

State Regulatory Information:NEW JERSEY RIGHT-TO-KNOW INFORMATION: 64-17-5, ETHYL ALCOHOL; 67-56-1, METHYL ALCOHOL (5%).

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

Disclaimer (provided with this information by the compiling agencies):
This information is formulated for use by elements of the Department of Defense. The 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.