

OCTAGON PROCESS INC. -- O-D-825C TYPE II -- 7510-00-272-9800

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

Product ID:O-D-825C TYPE II

MSDS Date:02/03/1992

FSC:7510

NIIN:00-272-9800

Status Code:A

MSDS Number: CLBDB

=== 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:(800)424-9300

Chemtr

ec 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

CAS:64-17-5

RTECS #:KQ6300000

Minimum % Wt:30.

Maximum % Wt:35.

OSHA PEL:1000 PPM

ACGIH TLV:1000 PPM

Ingred Name:METHYL ALCOHOL

CAS:67-56-1

RTECS #:PC1400000

Minimum % Wt:60.

Maximum % Wt:65.

OS

HA PEL:200 PPM
ACGIH TLV:200 PPM
ACGIH STEL:250 PPM
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:2-BUTOXYETHANOL
CAS:111-76-2
RTECS #:KJ8575000
Minumum % Wt:2.
Maxumum % Wt:5.
OSHA PEL:50 PPM
ACGIH TLV:25 PPM

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:EYES: WILL CAUSE IRRITATION AND
CHEMICAL CONJUNCTIVITIS. MAY CA
USE OPTIC NERVE DAMAGE. SKIN: MAY
CAUSE DRYING AND DEFATTING OF SKIN. PROLONGED AND/OR REPEATED
CONTACT WILL CAUSE CONTACT DERMATITIS. IN HALATION: WILL CAUSE
IRRITATION TO THE NOSE AND UPPER RESPIRATORY TRACT PROLONGED
BREATHING OF VAPORS MAY CAUSE CNS DEPRESSION. INGESTION: WILL CAUSE
GIDDINESS, HEADACHE, NAUSEA AND CNS DEPRESSION. MA Y CAUSE KIDNEY
AND LIVER DAMAGE. MAY CAUSE BLINDNESS AND DEATH IF INGESTED.
Medical Cond Aggravated by Exposure:

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

First Aid:EYESD: FLOOD WITH WATER FOR AT LEAST15 MINITUES. SKIN: WASH
WITH SOAP AND WATER. INHALATION: MOVE VICTIM TO FRESH AIR. IF
BREATHING IS DIFFICULT GIVE OXYGEN. IF BREATHING HAS STOPPED
ADMINISTER ARTIFI CIAL RESPIRATION IF TRAINED. INGESTION:
ADMINISTER 4-8 OZ. OF WATER AND INDUCE VOMITING. OBTAIN MEDICAL
ATTENTION IN ALL CASES.

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

Flash Point:=15.6C, 60.

F

60 F

Lower Limits:4.5

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 AND 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 WEAKING OF CONTAINER STRUCTURE AND POSSIBLE RUPTURING OF

CONTAINERS. THIS MATERIAL IS HIGHLY FLAMMABLE!

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

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

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

Handling and Storage Precautions:ISOLATE ALL ENERGY AND IGNITION SOURCES. STORE IN A COOL DRY PLACE.

Other Precautions:FLAMMABLE! NO SMOKING! DO NOT DRINK- MAY CAUSE BLINDNESS OR DEATH!

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

Respiratory Protection:IF WORKING IN A CONFINED AREA OR RECOMMENDED PEL MAY OR ARE EXCEEDED, USE NIOSH APPROVED RESPIRATORY PROTECTION.

Ventilation:LOCAL EXHAUST, MECHANICAL FAN

Protective Gloves:RUBBER OR NEOPRENE

Eye Protection:ALWAYS WEAR SAFETY GLASSES OR GOGGLES.

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

Work Hygienic Practices:WASH HANDS AND FACE AFTER HANDLING PRODUCT. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

GROUND ALL EQUIPMENT. ALL USERS SHOULD CONSULT MSDS BEFORE HANDLING THIS MATERIAL. DO NOT DRINK THIS PRODUCT.

===== Phys

ical/Chemical Properties =====

Boiling Pt:=63.9C, 147.F

B.P. Text:147 F

Vapor Density:1.6

Spec Gravity:0.805

Evaporation Rate & Reference: BUTYL ACETATE=1 2.5

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

SULFURIC ACID, STRONG OXIDIZERS

Stability Condition to Avoid: HEAT, SPARKS, OPEN FLAME AND C

ONTACT WITH

STRONG OXIDIZERS.

Hazardous Decomposition Products: CARBON MONOXIDE AND/OR DCARBON DIOXIDE

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

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

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

SARA Title III Information: METHYL ALCOHOL, 2-BUTOXYETHANOL

State Regulatory Information: NEW

JEWELRY RIGHT TO KNOW INFORMATION:

ETHYL ALCOHOL, METHYL ALCOHOL, 2-BUTOXYETHANOL

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
ass

ume responsibility for the suitability of this information to their particular situation.