

OCTAGON PROCESS INC. -- OCTAKLEEN 5431 -- 6850-01-390-7816

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Product Identification  
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Product ID:OCTAKLEEN 5431

MSDS Date:02/13/1996

FSC:6850

NIIN:01-390-7816

MSDS Number: BYHCS

=== Responsible Party ===

Company Name:OCTAGON PROCESS INC.

Address:596 RIVER ROAD

Box:NONE

City:EDGEWATER

State:NJ

ZIP:07020-1105

Country:US

Info Phone Num:201-313-1187/FAX -1057 (CAROL)

Emergency Phone Num:201-9

45-9400/800-424-9300(CHEMTREC)

Preparer's Name:J. J. BURGARD

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

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Composition/Information on Ingredients  
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Ingred Name:2-BUTOXYETHANOL (THIS IS THE ONLY CHEMICAL LISTED UNDER  
INGREDIENTS. THE OTHERS WERE LISTED AS NEW JERSEY INFORMATION.)

CAS:111-76-2

RTECS #:KJ8575000

Fraction by Wt: 6-8%

Other REC Limits:NONE RECOMMENDED  
OSHA PEL:S, 50 PPM  
ACGIH TLV:S, 25 PPM; 9495

Ingred Name:WATER  
CAS:7732-18-5  
RTECS #:ZC0110000  
Other REC Limits:NONE RECOMMENDED

Ingred Name:D-LIMONENE  
CAS:5989-27-5  
RTECS #:GW6360000  
Other REC Limits:NONE RECOMMENDED

Ingred Name:PROPRIETARY MIXTURE OF ANIONIC & NONIONIC SURFACTANTS  
Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:PRODUCT'S LD50 (ORAL RAT) WAS NOT STATED

Routes of Entr

y: Inhalation:YES Skin:YES Ingestion:NO

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

Health Hazards Acute and Chronic:EYES:WILL CAUSE STINGING, REDNESS &  
TEARING. SKIN:OVEREXPOSURE MAY RESULT IN REDNESS & DRYING.

INGESTION:MAY CAUSE GASTRIC DISCOMFORT & POSSIBLE VOMITING.

INHALATION:MAY CAUSE DISCOMFORT OF MUCOUS MEM BRANES.

Explanation of Carcinogenicity:MFR GAVE THE ABOVE LISTINGS ON THE MSDS  
BUT NO OTHER COMMENTS WERE RECORDED ON THE MSDS.

Effects of Overexposure:EYE

S:STINGING, REDNESS & TEARING. SKIN:REDNESS

& DRYING. INGESTION:GASTRIC DISCOMFORT & POSSIBLE VOMITING.

INHALATION:DISCOMFORT OF MUCOUS MEMBRANES.

Medical Cond Aggravated by Exposure:PRE-EXISTING SKIN CONDITIONS.

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

First Aid:IF IRRITATION PERSISTS OR IS SEVERE, GET MEDICAL ATTENTION.

EYE:FLUSH W/WATER FOR 15 MIN. SKIN:WASH W/SOAP & WATER. REMOVE

CONTAMINATED CLOTHING & LAUNDER BEFORE REUSE. INHALED:REMOVE FROM

EXPOSURE. A ID OR RESTORE BREATHING AS NEEDED. INGESTED:DO NOT INDUCE VOMITING. GIVE 1-2 GLASSES OF MILK OR WATER TO DRINK. GET IMMEDIATE MEDICAL ATTENTION. NOTHING BY MOUTH IF UNCONSCIOUS.

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

Flash Point Method:TOC

Flash Point:120F,49C

Extinguishing Media:DRY CHEMICAL, FOAM

Fire Fighting Procedures:SELF-CONTAINED BREATHING APPARATUS REQUIRED.

Unusual Fire/Explosion Hazard:NONE

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

Spill Release Procedures:DIKE & CONTAIN SPILL. PICK UP LARGE SPILL W/VACUUM. SPREAD INERT ABSORBENT & SCOOP REMAINDER. PLACE IN CONTAINER FOR DISPOSAL. RECYCLE OR REUSE WHENEVER POSSIBLE. FOLLOW SPILL NOTIFICATION REQUIREMENT S & HAZWOPER REGULATIONS. KEEP OUT OF WATERWAYS.

Neutralizing Agent:MFR GAVE NO INFORMATION ON MSDS.

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

Handling and Storage Precautions:STORE IN COOL, DRY AREA W/LABELS VISIBLE.

Other Precautions:CLEAN CONTAMINATED EQUIPMENT PRIOR TO STARTING ANY MAINTENANCE WORK.

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

Respiratory Protection:NOT REQUIRED UNDER NORMAL CONDITIONS. IF MISTING OCCURS OR IF PEL IS EXCEEDED, USE NIOSH/MSHA APPROVED RESPIRATORY PROTECTIVE EQUIPMENT.

Ventilation:LOCAL EXHAUST & MECHANICAL (GENERAL) VENTILATION FAN RECOMMENDED.

Protective Gloves:CHEMICAL RESISTANT GLOVES

Eye Protection:SAFETY G LASSES OR FACE SHIELD

Other Protective Equipment:FULL COVER SHIRT & PANTS. PROVIDE SAFETY SHOWER & LOCAL EYEWASH STATION.

Work Hygienic Practices:ALL USERS SHOULD CONSULT THIS MSDS PRIOR TO HANDLING PRODUCT. WASH HANDS & FACE AFTER HANDLING.

Supplemental Safety and Health

IF SPLASHED, REMOVE CONTAMINATED CLOTHING & WASH OR SHOWER THOROUGHLY. WASH CLOTHING BEFORE REUSE.

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

HCC:F4

NRC/State Lic Num:NONE

Boiling Pt:B.P.

Text:210F,99C  
Vapor Pres:17 MM  
Vapor Density:0.5  
Spec Gravity:0.96  
Evaporation Rate & Reference:>5 (N-BUAC = 1)  
Solubility in Water:EMULSION  
Appearance and Odor:YELLOW LIQUID W/CITRUS-LIKE ODOR  
Percent Volatiles by Volume:85

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

Stability Indicator/Materials to Avoid:YES  
ACIDS  
Stability Condition to Avoid:AVOID CONTACT W/ACIDS.  
Hazardous Decomposition Products:OXIDES OF NITROGEN & CARBON  
Conditions to Avoid Polymerization:WIL  
L NOT OCCUR.

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

Waste Disposal Methods:COMPLY W/FEDERAL, STATE & LOCAL REGULATIONS.  
RECYCLE WHENEVER POSSIBLE.

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