

OCTAGON PROCESS INC. -- OCTABRITE 5096, MIL-C-38334A AM.2 TYPE I CLASS I --
6850-00-300-9008

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

Product ID:OCTABRITE 5096, MIL-C-38334A AM.2 TYPE I CLASS I

MSDS Date:03/30/1998

FSC:6850

NIIN:00-300-9008

MSDS Number: BTRNX

=== Responsible Party ===

Company Name:OCTAGON PROCESS INC.

Address:596 RIVER ROAD

Box:NONE

City:EDGEWATER

State:NJ

ZIP:07020-1105

Country:US

Inf

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

Emergency Phone Num:201-417-1056

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

Contract Num:SP0450-00-M-D054

CAGE:82925

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

Ingred Name:PHOSPHORIC ACID (SARA 313) (CERCLA)

CAS:7664-38-2

RTECS #:TB6300000

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Minimum % Wt:3.
Maximum % Wt:7.
Other REC Limits:NOT PROVIDED.
OSHA PEL:1 MG/M3
ACGIH TLV:1 MG/M3
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingredient Name:NITRIC ACID (SARA 302/313) (CERCLA)
CAS:7697-37-2
RTECS #:QU5775000
Minimum % Wt:2.
Maximum % Wt:5.
Other REC Limits:NOT PROVIDED.
OSHA PEL:2 PPM
ACGIH TLV:2 PPM/5 MG/M3
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingredient Name:2-BUTOXYETHANOL
CAS:111-76-2
RTECS #:KJ8575000
< Wt:1.
Other REC Limits:NOT PROVIDED.
OSHA PEL:25 PPM
ACGIH TLV:25 PPM

Ingredient Name:OCTYLPHENOXYPOLY(ETHYLENEOXY)ETHANOL
CAS:9004-87-9
RTECS #:RL1070000

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

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===== Hazards Identification =====
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LD50 LC50 Mixture:NOT PROVIDED.
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE AND CHRONIC - EYES: HIGHLY
IRRITATING. MAY CAUSE STINGING AND BURNS. SKIN: MAY

CAUSE REDNESS,

IRRITATION AND BURNS. INHALATION: HIGHLY IRRITATING TO MUCOUS MEMBRANES. MAY CAUSE SHORTNESS OF BREATH AND BURNS TO THE NOSE, THROAT AND UPPER RESPIRATORY TRACT. INGESTION: MAY CAUSE ULCERATION OF THE STOMACH LINING AND GASTROINTESTINAL BLEEDING.

Explanation of Carcinogenicity:NOT PROVIDED.

Effects of Overexposure:EYES: HIGHLY IRRITATING. MAY CAUSE STINGING AND BURNS. SKIN: MAY CAUSE REDNESS, IRRITATION AND BURNS. INHALATION: HIGHLY IRRITATING TO MUCOUS MEMBRANES. MAY CAUSE SHORTNESS OF BREATH AND BURNS TO THE NOSE, THROAT AND UPPER RESPIRATORY TRACT. INGESTION: MAY CAUSE ULCERATION OF THE STOMACH LINING AND GASTROINTESTINAL BLEEDING.

Medical Cond Aggravated by Exposure:NO DATA AVAILABLE.

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

First Aid:EYES: FLOOD WITH WATER FOR AT LEAST 15 MINUTES. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION. SKIN: FLUSH WITH WATER FOR AT LEAST 15 MINUTES. IF IRRITATION OCCURS AND PERSISTS, GET MEDICAL ATTENTION. IF BURNS OCCURS, WRAP IN STERILE DRESSING AND GET IMMEDIATE 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: DO NOT INDUCE VOMITING.ADMINISTER 4-8 OZ OF WATER OR PREFERREDLY CHIPPED ICE, IF VICTIM IS CONSCIOUS. GET IMMEDIATE MEDICAL

ATTENTION.

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

Flash Point:NONE

Lower Limits:N.D.

Upper Limits:N.D.

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

Fire Fighting Procedures:KEEP FIRE-EXPOSED CONTAINERS COOL WITH WATER SPRAY. WEAR CHEMICAL PROTECTIVE CLOTHING & NIOSH/MSHA-APPROVED SELF-CONTAINED BREATHING APPARATUS.

Unusual Fire/Explosion Hazard:NONE.

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

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Spill Release Procedures:EVACUATE AREA. DIKE AND CONTAIN SPILL.
NEUTRALIZE WITH SODA ASH OR LIME. SCOOP UP AND PLACE INTO PROPER
CONTAINERS FOR DISPOSAL. DO NOT ALLOW SPILL TO ENTER DRAINS,
SEWERS OR WATERWAYS. COMPLY WITH ALL SPILL NOTIFICATION
REGULATIONS. ALLRESPONSE ACTIVITIES MUST COMPLY WITH HAZWOPER (29
CFR 1910.120).

Neutralizing Agent:SODA ASH, LIME.

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

Handling and Storage Precautions:STORE
IN A COOL, DRY PLACE, AWAY FROM
OXIDIZERS. KEEP CONTAINERS CLOSED WHEN NOT IN USE.

Other Precautions:CLEAN CONTAMINATED EQUIPMENT BEFORE STARTING ANY
REPAIR WORK. THIS MATERIAL IS CORROSIVE. AVOID EYE/SKIN CONTACT.
AVOID BREATHING VAPORS.

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

Respiratory Protection:WHERE ENVIRONMENTAL CONTROLS ARE LACKING OR IN
ENCLOSED SPACES USE EITHER A SELF-CONTAINED BREATHING APPARATUS OR
A NOISH/MSHA APPROVED RESPIRATOR
FOR ACID GAS,DEPENDING ON THE
AIRBORN CONCENTRATION.

Ventilation:LOCAL VENTILATION AT THE WORKSITE;MECHANICAL(GENERAL)
VENTILATION TO MAINTAIN TLV/PEL.

Protective Gloves:RUBBER,NEOPRENE,PVC.

Eye Protection:CHEMICAL SPLASH GOGGLES.

Other Protective Equipment:PROTECTIVE CLOTHING,AS NEEDED.PROVIDE A
LOCAL EYE WASH STATION AND SAFETY SHOWER.

Work Hygienic Practices:WASH HANDS.SEPERATE WORK CLOTHES FROM STREET
CLOTHES.LAUNDER WORK CLOTHES BEFORE REUSE.KEEP FOOD OUT OF THE WORK
ARE

A.

Supplemental Safety and Health
NONE

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

HCC:C1

NRC/State Lic Num:NONE

Boiling Pt:=100.C, 212.F

Vapor Pres:N.D.

Vapor Density:N.D.

Spec Gravity:1.06

Evaporation Rate & Reference: