

OCTAGON PROCESS INC. -- MIL-A-53009 AM.3 -- 6850-01-287-8067

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Product Identification
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Product ID:MIL-A-53009 AM.3
MSDS Date:03/09/1995
FSC:6850
NIIN:01-287-8067
MSDS Number: BXQHB
=== Responsible Party ===
Company Name:OCTAGON PROCESS INC.
Address:596 RIVER ROAD
City:EDGEWATER
State:NJ
ZIP:07020-1105
Country:US
Info Phone Num:201-313-1187/FAX -1057 (CAROL)
Emergency Phone Num:201-945-9400
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

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Composition/Information on Ingredients
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Ingred Name:SODIUM BORATE, PENTAHYDRATE
CAS:12179-04-3
RTECS #:VZ2540000
Minumum % Wt:3.
Maxumum % Wt:5.
Other REC Limits:NONE RECOMMENDED
OSHA PEL:10 MG/M3
ACGIH TLV:1 MG/M3; 9495

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Hazards Identification
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Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO

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

Health Hazards Acute and Chronic:99ES-MAY CAUSE IRRITATION. SKIN-MAY CAUSE IRRITATION. INHALATION-MAY CAUSE IRRITATION TO UPPER RESPIRATORY TRACT. INGESTION-MAY CAUSE IRRITATION TO THE GASTROINTESTINAL TRACT.

Explanation of Carcinogenicity:THIS PRODUCT CONTAINS NO CARCINOGENC.

Effects of Overexposure:EYES-MAY

CAUSE REDNESS AND BURNS. SKIN-MAY

CAUSE REDNESS AND BURNS. INGESTION-MAY CAUSE BURNS TO THE UPPER RESPIRATORY TRACT. ALSO MAY CAUSE SHORTNESS OF BREATH AND COUGHING. INGESTION-MAY CAUSE PAIN, NAUSEA, VOMITING.

Medical Cond Aggravated by Exposure:NO DATA AVAILABLE.

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First Aid Measures
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First Aid:EYES-FLOOD WITH WATER FOR AT LEAST 15 MIN. IF IRRITATION PERSISTS, GET MEDICAL AID. SKIN-FLUSH WITH WATER FOR AT LEAST 15 MIN. IF IRR

ITATION OCCURS GET MEDICAL AID. INHALATION-MOVE TO FRESH AIR. IF BR EATHING ID HARD, GET OXYGEN. IF BREATHING HAS STOPPED, PEFORM CPR IF TRAINED, GET MEDICAL AID. INGESTION-DO NOT INDUCE VOMITING. GIVE 4-8 OZ OF MILK OR WATER. GET IMMEDIATE MEDICAL AID.

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Fire Fighting Measures
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Flash Point:NONE

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

Fire Fighting Procedures:KEEP FIRE EXPOSED CONTAINERS COOL WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:NONE

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Accidental Release Measures
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Spill Release Procedures:EVACUATE UNPROTECTED PERSONNEL. DIKE AND CONTAIN SPILL. RECOVER FREE LIQUID IF ABLE. NEUTRALIZE REMAINING SPILL WITH MURIATIC OR ACETIC ACID. ABSORB WITH INERT MATERIAL & PLACE INTO PROPER CONTAINERS FOR DISPOSAL. DO NOT ALLOW SPILL TO ENTER DRAINS.

Neutralizing Agent:MURIATIC ACID OR ACETIC ACID.

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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:USE THIS PRODUCT AS DIRECTED - SEE MANUFACTURER'S INSTRUCTIONS. PRODUCT IS ALKALINE WITH A PH VALUE OF 12.5 TO 13.0.

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

Respiratory Protection:IF WORKING IN A CONFINED AREA, IF EXCESSIVE MISTING IS EXPECTED OR IF EXPOSURE MAY OR DOES EXCEED RECOMMENDED PERMISSIBLE EXPOSURE LIMITS, USE NIOSH-APPROVED RESPIRATORY PROTECTION.

Ventilation:LOCAL EXHAUST: YES MECHANICAL: FAN.

Protective Gloves:RUBBER OR NEOPRENE.

Eye Protection:SAFETY GLASSES/FACE SHIELD.

Other Protective Equipment:IF SPLASHING IS EXPECTED, USE A FACE SHIELD AND RUBBER APRON. PROVIDE LOCAL EMERGENCY SHOWERS & EYE WASH STATIONS.

Work Hygienic Practices:WASH HANDS & FACE AFTER HANDLING THIS MATERIAL. LAUNDRER CLOTHING BEFORE RESUE.

Supplemental Safety and Health

THIS MATERIAL IS CORROSIVE (ALKALINE) - AVOID EYE/SKIN CONTACT AND PROLONGED AND/OR REPEATED BREATHING OF VAPORS. ALL USERS SHOULD CONSULT MSDS BEFORE HANDLING THIS MATERIAL.

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

HCC:B1

Boiling Pt.=100.C, 212.F

Vapor Pres:N.D.

Vapor Density:N.D.

Spec Gravity:1.2

pH:13.

Evaporation Rate & Reference:N.D.

Solubility in Water:COMPLETE

Appearance and Odor:PALE YELLOW LIQUID SOLUTION, PRACTICALLY ODORLESS.

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= Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid: YES
STRONG ACIDS AND OXIDIZERS (PRODUCT PH = 12.0)
Stability Condition to Avoid: NONE
Hazardous Decomposition Products: NONE

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

Waste Disposal Methods: DISPOSE OF WASTE IN COMPLIANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. WASTE IS CLASSIFIED AS CORROSIVE (D002) UNDER RCRA.

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