

OCTAGON PROCESS -- FLUX SOLUTION, MPR-1216 -- 3439-00-469-3398

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

Product ID:FLUX SOLUTION, MPR-1216

MSDS Date:03/03/1987

FSC:3439

NIIN:00-469-3398

MSDS Number: BKBXH

=== Responsible Party ===

Company Name:OCTAGON PROCESS

Address:596 RIVER ROAD

City:EDGEWATER

State:NJ

ZIP:07020-1105

Country:US

Info Phone Num:201-945-9400

Emergency Phone Num:201-945-9400

CAGE:82925

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== 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 =====

Ingred Name:AMMONIUM CHLORIDE (SARA III)

CAS:12125-02-9

RTECS #:BP4550000

Fraction by Wt: 24%

OSHA PEL:10 MG/M3/20 STEL

ACGIH TLV:10 MG/M3 FUME; 9192

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:ZINC CHLORIDE (SARA III)

CAS:7646-85-7

RTECS #:ZH1400

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Fraction by Wt: 8%

OSHA PEL:1 MG/M3/2 STEL

ACGIH TLV:1 MG/M3/2STEL FUME93

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

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

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

Health Hazards Acute and Chronic:IRRITATING TO EYES, SKIN AND
RESPIRATORY TRACT.

Explanation of Carcinogenicity:NOT RELEVANT

Effects of Overexposur

e:SEE HEALTH HAZARDS.

Medical Cond Aggravated by Exposure:NOT KNOWN.

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

First Aid:INHAL: REMOVE TO FRESH AIR. IF BREATHING IS DIFFICULT, GIVE
OXYGEN. IF BREATHING HAS STOPPED, APPLY ARTIFICIAL RESPIRATION. GET
MD. EYES: FLUSH WITH WATER FOR AT LEAST 15 MINUTES. GET MD. SKIN:
REMOVE CONTAMD CLTHG. WASH AREA WITH MILD SOAP AND WATER. IF
IRRITATION PERSISTS, GET MD. INGEST: GET IMMED MEDICAL ATTN.

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

Flash Point:NONE

Extinguishing Media:USE MEDIA SUITABLE FOR SURROUNDING FIRE .

Fire Fighting Procedures:KEEP FIRE EXPOSED CONTAINERS COOL WITH WATER
SPRAY. WEAR NIOSH/MSHA APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT

Unusual Fire/Explosion Hazard:IF HEATED TO DECOMPOSITION, WILL EMIT
FUMES OF AMMONIA AND HYDROCHLORIC ACID.

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

Spill Release Procedures:RECOVER FREE

LIQUID WITH SUITABLE ABSORBENT.

WASH RESIDUAL TRACES WITH PLENTY OF WATER. SALVAGE VESSELS MAY BE USED FOR ULTIMATE DISPOSAL.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE IN COOL, DRY PLACE. KEEP AWAY FROM ALKALIES.

Other Precautions:KEEP CONTAINER CLOSED WHEN NOT IN USE. DO NOT USE IN CONFINED OR POORLY VENTILATED AREAS. WASH HANDS AND FACE AFTER USE. LAUNDER CONTAMINATED CLOTHING BEFORE RE-USE.

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

Respiratory Protection:IF EXCESS FUMES ARE PRESENT, NIOSH/MSHA APPROVED AIR-SUPPLIED RESPIRATOR WITH FULL FACEPIECE.

Ventilation:LOCAL AND MECHANICAL/GENERAL EXHAUST RECOMMENDED.

Protective Gloves:RUBBER GLOVES.

Eye Protection:CHEM WORK GOGG,FACE SHLD MAY BE ADDED.

Other Protective Equipment:AS NEEDED TO AVOID SKIN AND EYE CONTACT. SAFETY SHOWER, EYE WASH FOUNTAIN.

Work Hygienic Practices:

WASH THOROUGHLY AFTER USE AND BEFORE EATING, DRINKING, SMOKING OR USING SANITARY FACILITIES.

Supplemental Safety and Health

NONE SPECIFIED BY MANUFACTURER.

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

HCC:C3

Boiling Pt:B.P. Text:212F,100C

Spec Gravity:1.13 (H2O=1)

Solubility in Water:COMPLETE

Appearance and Odor:CLEAR LIQUID, AMMONIACAL-TYPE ODOR.

Percent Volatiles by Volume:70

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

Stability Indic

ator/Materials to Avoid: YES

ALKALIES.

Stability Condition to Avoid: NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products: AMMONIA AND HYDROCHLORIC ACID GASES.

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

Waste Disposal Methods: DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL ENVIRONMENTAL REGULATIONS.

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