

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

=====  
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

=== 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: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 #:ZH140

0000  
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

===== 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 Overexposure:SEE HEALTH HAZARDS.  
Medical Cond Aggravated by Exposure:NOT KNOWN.

===== 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.

===== 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.

===== 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.

=====  
===== 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.

=====  
===== 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.

=====  
===== 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

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

Stability Index

cator/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.

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