

OCTAGON PROCESS INC. -- MIL-M-23573B -- 6810-00-958-9970

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

Product ID:MIL-M-23573B

MSDS Date:06/16/1987

FSC:6810

NIIN:00-958-9970

MSDS Number: BFZFV

=== Responsible Party ===

Company Name:OCTAGON PROCESS INC.

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

=== Contracto

r 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:ETHANOLAMINE

CAS:141-43-5

RTECS #:KJ5775000

Other REC Limits:NONE SPECIFIED

OSHA PEL:3 PPM/6 STEL

ACGIH TLV:3 PPM/6 STEL; 9192

Ingred Name:SODIUM SALT OF N,N-BIS(2-HYDROXYETHYL)GLYCINE, WATER  
SOLUTION. (SEE INGREDIENT NUMBER 3)

CAS:139-41-3

RTECS #:MB9105

000

Other REC Limits:NONE SPECIFIED

Ingred Name:ABOVE INGREDIENT NUMBER 2 ALSO CONTAINS 1-2% SODIUM HYDROXIDE (CAS#1310-73-2) AND 0.2-0.4% TRISODIUM NTA(CAS#5064-31-3)

RTECS #:9999999ZZ

Other REC Limits:NONE SPECIFIED

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

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

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

Health Hazards Acute and

Chronic:ACUTE-SKIN

:BURNS,EYES:IRRITATION,INHALATION:MARKED

IRRITATION CHRONIC:NONE SPECIFIED BY MANUFACTURER.

Explanation of Carcinogenicity:NONE OF THE COMPOUNDS IN THIS PRODUCT IS LISTED BY IARC, NTP, OR OSHA AS A CARCINOGEN.

Effects of Overexposure:REDNESS AND POSSIBLE BLISTERING OF SKIN.

STINGING AND BURNING TO EYES. MISTING MAY CAUSE MODERATE IRRITATION TO NOSE, THROAT AND LUNG.

Medical Cond Aggravated by Exposure:NO DATA AVAILABLE.

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

=====

First Aid:SKIN:IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES, GET MEDICAL ATTENTION. EYES:FLUSH WITH WATER FOR 15 MINUTES, GET MEDICAL ATTENTION. INHALATION:REMOVE TO FRESH AIR. TREAT SYMTOMATICALLY. INGESTION: D O NOT INDUCE VOMITING. GET MEDICAL ATTENTION.

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

Flash Point Method:COC

Flash Point:>200F,>93C

Lower Limits:3

Upper Limits:23%@140F

Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, 'ALCOHOL' FOAM, OR

DRY CHEMICAL.

Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.

Unusual Fire/Explosion Hazard:FIRE OR EXCESSIVE HEAT MAY CAUSE PRODUCTION OF HAZARDOUS DECOMPOSITION PRODUCTS.

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

Spill Release Procedures:WEAR PROPER PROTECTIVE EQUIPMENT. ABSORB IN INERT MATERIAL AND PLACE I

N APPROPRIATE DISPOSAL CONTAINER AND COVER.

Neutralizing Agent:NOT APPLICABLE.

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

Handling and Storage Precautions:STORE IN A COOL, DRY, AREA. KEEP AWAY FROM OXIDIZERS. DO NOT STORE IN CONTACT WITH ALUMINUM, ZINC, COPPER, OR THEIR ALLOYS. INSURE GOOD VENTILATION.

Other Precautions:DO NOT TAKE INTERNALLY. DO NOT BREATHE MIST. AVOID PROLONGED OR REPEATED BREATHING OF VAPOR. AVOID CONTACT WITH EYES. USE WITH ADEQ UATE VENTILATION. WASH THOROUGHLY AFTER HANDLING.

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

Respiratory Protection:IF VENTILATION DOES NOT MAINTAIN INHALATION EXPOSURES BELOW PEL(TLV), USE NIOSH/MSHA APPROVED ORGANIC VAPOR CARTRIDGE AND DUST/MIST PRE-FILTER RESPIRATORS AS PER CURRENT 29 CFR 1910.134, INSTRUCTIONS/ WARNINGS AND NIOSH-RESPIRATOR SELECTION.

Ventilation:MECHANICAL (GENERAL) ROOM VENTILATION IS NORMALLY ADEQUATE. LOCAL EXHAUST MAY BE RE QUIRED IF WORK AREA NOT VENTED.

Protective Gloves:RUBBER

Eye Protection:SAFETY GOGGLES WITH OPTIONAL FACE SHIELD

Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER. INDUSTRIAL-TYPE WORK CLOTHING AND APRON AS REQUIRED.

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING OR FOOTWEAR.

Supplemental Safety and Health

AVOID PROLONGED OR REPEATED EXPOSURE. DO NOT GET ON SKIN OR IN EYES. DO NOT BREATHE V APORS OR MISTS.

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

HCC:B2

Boiling Pt:=104.4C, 220.F

Spec Gravity:1.1

Solubility in Water:COMPLETE

Appearance and Odor:PRACTICALLY COLORLESS LIQUID, AMMONIACAL ODOR

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS, ALUMINUM AND ZINC

Stability Condition to Avoid:HIGH TEMPERATURES, SPARKS, AND OPEN FLAMES

Hazardous Decomposition Products:MAY PRO

DUCE NITROGEN OXIDES. IF HEATED  
>60 C IN PRESENCE OF ALUMINUM, MAY RELEASE FLAMMABLE HYDROGEN GAS.

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

Waste Disposal Methods:DISPOSAL SHOULD BE MADE IN ACCORDANCE WITH ALL  
APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND 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 man  
ner 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.