

OCTAGON PROCESS INC. -- O-M-575A;CLASS 3;MORPHOLINE 40 % SOLUTION -- 6810-00-559-9889
===== Product Identification =====

Product ID:O-M-575A;CLASS 3;MORPHOLINE 40 % SOLUTION

MSDS Date:08/08/1991

FSC:6810

NIIN:00-559-9889

MSDS Number: BFFMB

=== 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

Preparer's Name:IRIS CHARMS

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:MORPHOLINE

CAS:110-91-8

RTECS #:QD6475000

Fraction by Wt: 40.0%

OSHA PEL:S,20 PPM/30 STEL

ACGIH TLV:S,20PPM/30STEL; 8990

Ingred Name:WATER

CAS:7732-18-5

RTECS #:ZC0110000

Fr

action by Wt: BALANCE

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

LD50 LC50 Mixture:ORAL LD50 (RAT) IS 1050 MG/KG
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE:IRRITATING TO EYES,SKIN AND
RESPIRATORY TRACT. MAY BURN SKIN AND CAUSE CORNEAL DAMAGE LEADING
TO BLINDNESS. CHRONIC:CORNEAL DAMAGE, SKIN ABNORMALITIES.
Explanation of Carcinogenicity:DATA PER MSDS
Effects of Overexposure:IRRITATION AND BURNS TO SKIN & EYES, COUGHING,
WHEEZING.
Medical Conditions Aggravated by Exposure:BRONCHITIS,ASTHMA,EMPHYSEMA.

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

First Aid:INHALATION:REMOVE TO FRESH AIR. RESUSCITATE IF NOT BREATHING.
GET MEDICAL ATTENTION. EYES:IMMEDIATELY FLUSH WITH PLENTY OF WATER
FOR 15 MINUTES HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION. SKIN:
REMOVE CONTAMINATED CLOTHING. WASH WITH SOAP AND WATER. IF
IRRITATION PERSISTS, GET MEDICAL ADVICE. INGESTION:DO NOT INDUCE
VOMITING. GIVE NOTHING BY MOUTH IF UNCONSCIOUS. GET IMMEDIATE
MEDICAL ATTENTION.

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

Flash Point Method:OC
Flash Point:190F,88C
Extinguishing Media:USE CARBON DIOXIDE, FOAM, DRY CHEMICAL, OR WATER
FOG.
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:TOXIC FUMES MAY BE FORMED ON BURNING.

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

Spill Release Procedures:USE PROPER PERSONAL PROTECTION;REMOVE ALL
IGNITION SOURCES; CONTAIN FREE MATERIAL IF POSSIBLE;USE SUITABLE
INERT ABSORBENT MATERIAL AND RECOVER FOR PROPER DISPOSAL IN AN
APPROVED CONTAINER.
Neutralizing Agent:NOT APPLICABLE.

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

====

Handling and Storage Precautions:STORE IN A COOL, DRY, WELL VENTILATED AREA. KEEP CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE. PROTECT CONTAINERS FROM PHYSICAL DAMAGE.

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

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

Respiratory Protection:USE NIOSH/MSHA APPROVED RESPIRATOR AS REQUIRED IF ABOVE PEL/TLV OR SCBA IN AN ENCLOSED AREA.

Ventilation:LOCAL/GENERAL TO MAINTAIN PEL/TLV.

Protective Gloves:NEOPRENE, NITRILE, OR NATURAL RUBBER

Eye Protection:SAFETY GOGGLES WITH OPTIONAL FACE SHIELD

Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER,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 VAPORS OR MISTS.

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

HCC:B2

Boiling Pt:B.P. Text:216F/101C

Vapor Pres:17

Vapor Density:2.7

Spec Gravity:1.03

Solubility in Water:COMPLETE

Appearance and Odor:CLEAR,COLORLESS LIQUID,AMINE ODOR.

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to A

void:YES

OXIDIZERS, NITRITES, NITROUS ACID,NITROGEN OXIDE RICH ATMOSPHERE.

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

Hazardous Decomposition Products:OXIDES OF NITROGEN AND CARBON, AMMONIA GAS.

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

Waste Disposal Methods:CONSULT LOCAL AUTHORITIES.DISPOSAL MUST 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 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.