

OCTAGON PROCESS -- CYCLOHEXYLAMINE -- 6810-00-805-9798

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

Product ID:CYCLOHEXYLAMINE

MSDS Date:08/01/1988

FSC:6810

NIIN:00-805-9798

MSDS Number: BFQDW

=== Responsible Party ===

Company Name:OCTAGON PROCESS

Address:596 RIVER ROAD

City:EDGEWATER

State:NJ

ZIP:07020-1105

Country:US

Info Phone Num:1-800-345-3148

Emergency Phone Num:201-945-9400 (1-800-523-9374)

CAGE:8292

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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

===== Composition/Information on Ingredients =====

Ingred Name:CYCLOHEXYLAMINE (SARA III)

CAS:108-91-8

RTECS #:GX0700000

Fraction by Wt: >98.0%

OSHA PEL:10 PPM

ACGIH TLV:10 PPM; 9192

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

LD50 LC50 Mixture:ORAL RAT:157-614MG/KG

Routes of Ent

ry: Inhalation:YES Skin:YES Ingestion:YES
Health Hazards Acute and Chronic:ACUTE:CORROSIVE MATERIAL,SEVERE
IRRITANT TO EYES,CAUSES PAIN,BURN OR BLINDNESS TO EYES;DAMAGE TO
TISSUE AND SCARRING.RESPIRATORY PROBLEM,SORE
THROAT,NAUSEA,FAINTNESS AND/OR HEADACHE. CHRONIC:EYE DISE
ASE,BRONCHITIS,DERMATITIS,ASTHMA.
Effects of Overexposure:SEE HEALTH HAZARDS DATA.
Medical Cond Aggravated by Exposure:PRE-EXISTING CONDITIONS MAY BE
WORSEN;ASTHMA,SKIN DISORDERS,EYES DISEASE.

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

First Aid:FLUSH EYES WITH LARGE AMOUNTS OF WATER FOR 15 MINUTES;SEEK
MEDICAL HELP IMMEDIATELY. SKIN:WASH THOROUGHLY WITH WATER;SEEK HELP
FROM A DOCTOR. INHALATION:REMOVE TO FRESH AIR;GIVE CPR OR
OXYGEN;SEEK HEL P FROM MEDICAL DOCTOR. INGESTION:DO NOTINDUCE
VOMITING.SEEK MEDICAL HELP AT ONCE.

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

Flash Point Method:TCC
Flash Point:83F/28.3C
Autoignition
Temp:Autoignition Temp Text:560F
Lower Limits:1.5
Upper Limits:9.4
Extinguishing Media:CO*2,DRY-CHEMICAL,FOAM
Fire Fighting Procedures:USE NIOSH/MSHA APPROVED SCBA IN AN ENCLOSED
AREA.
Unusual Fire/Explosion Hazard:SUDDEN REACTION AND FIRE MAY RESULT WHEN
THE PRODUCT IS MIXED WITH OXIDIZING AGENTS

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

Spill Release Procedures:USE PROPER PERSONAL PROTECTION OR SCBA;REMOVE
ALL IGNITION SOURCES.CONTAIN FREE LIQUID IF POSS
IBLE;USE SODIUM
BISULFATE TO NEUTRALIZE AND RECOVER FOR PROPER DISPOSAL;WASH
SURFACES WITH WATER.
Neutralizing Agent:SODIUM BISULFATE

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

Handling and Storage Precautions:STORE IN COOL,DRY AND WELL VENTILATED
AREA.KEEP AWAY FROM HEAT,OPEN FLAME AND SPARKS;KEEP CONTAINER
CLOSED WHEN NOT IN USE.

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

Respiratory Protection:USE NIOSH/MSHA APPROVED RESPIR

ATOR FOR ORGANIC

VAPORS/MIST OR SCBA IN AN ENCLOSED AREA.

Ventilation:LOCAL EXHAUST OR MECHANICAL TO MAINTAIN PEL OR TLV.

Protective Gloves:BUTYL RUBBER

Eye Protection:CHEMICAL SAFETY GOGGLES/FACE SHIELD

Other Protective Equipment:BOOTS,APRON,EYE-WASH AND SAFETY SHOWER

Work Hygienic Practices:AVOID CONTACT WITH SKIN AND EYES;DO NOT BREATHE

VAPORS/MIST.DO NOT USE CONTAMINATED CLOTHES;WASH THOROUGHLY AFTER USE.

Supplemental Safety and Health

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

HCC:F7

Boiling Pt:B.P. Text:274F/134.5C

Melt/Freeze Pt:M.P/F.P Text:-17.7C

Vapor Pres:23

Vapor Density:3.4

Spec Gravity:0.8683

pH:10.5

Solubility in Water:MISCIBLE

Appearance and Odor:COLORLESS LIQUID WITH CHARACTERISTIC AMINE ODOR

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS,ACIDS,META-CU,AL ZINC

Stability Condition to Avoid:HIGH TEMPERATURE,LIGH

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Hazardous Decomposition Products:AMMONIA;CO,HCN,AMIDES IN PRESENCE OF OXYGEN

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

Waste Disposal Methods:DISPOSAL MUST BE IN ACCORDANCE WITH LOCAL,STATE AND FEDERAL REGULATION.

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