

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:829

25

=== 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 En

try: 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 DISEASE, 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 NOT INDUCE 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 POSSIBLE; 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 RESPI

RATOR 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

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Physical/Chemical Properties  
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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

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Stability and Reactivity Data  
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Stability Indicator/Materials to Avoid:YES

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

Stability Condition to Avoid:HIGH TEMPERATURE,LIG

HT

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

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

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