

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

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Product Identification  
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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

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Composition/Information on Ingredients  
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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

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Hazards Identification  
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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

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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

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Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

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

Stability Condition to Avoid:HIGH TEMPERATURE,LIGHT

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

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Disposal Considerations =====

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

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