

OCTAGON PROCESS INC. -- CALCIUM HYPOCHLORITE -- 6810-00-242-4770

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Product Identification  
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Product ID:CALCIUM HYPOCHLORITE

MSDS Date:02/11/1994

FSC:6810

NIIN:00-242-4770

MSDS Number: BZSTP

=== 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:800-424-9300 (CHEM  
TREC)

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

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Composition/Information on Ingredients  
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Ingred Name:CALCIUM HYPOCHLORITE (CERCLA)

CAS:7778-54-3

RTECS #:NH3485000

Fraction by Wt: 65-75%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:NOT EST.

ACGIH TLV:NOT EST.

EPA Rpt Qty:10 LBS

DOT Rpt Qty:10 LBS

Ingred Name:CALCIUM CHLORATE

CAS:10

137-74-3  
RTECS #:FN9800000  
Fraction by Wt: 0-5%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:CALCIUM CHLORIDE  
CAS:10043-52-4  
RTECS #:EV9800000  
Fraction by Wt: 0-5%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:CALCIUM HYDROXIDE  
CAS:1305-62-0  
RTECS #:EW2800000  
Fraction by Wt: 0-4%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:5 MG/M3  
ACGIH TLV:5 MG/M3

Ingred Name:CALCIUM CARBONATE  
CAS:471-34-1  
RTECS #:FF9335000  
Fraction by Wt: 0-4%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:15 MG/M3  
ACGIH TLV:10  
MG/M3

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:EYES: TEARING, BURNING SENSATION.  
SEVERE IRRIT/BURNS. SKIN: IRRIT/BURNS/DRYING. INHALATION:  
RESPIRATORY TRACT IRRIT. POSSIBLE UPPER AIRWAY OBSTRUCTION &  
PULMINARY EDEMA. SNEEZING, DYSPNEA, TACHYPNEA, CNS DEPRESSION,  
DELIRIUM, COMA. INGESTION: NAUSEA/VOMITING/STO  
MACH  
PAIN/IRRIT/BURNS. MAY CAUSE GASTROINTESTINAL BLEEDING  
Effects of Overexposure:BURNING SENSATION IN EYES. SEVERE IRRITATION  
AND UPPER RESPIRATORY DISTRESS.  
Medical Cond Aggravated by Exposure:PREEXISTING RESPIRATORY CONDITIONS  
MAY BE AGGRAVATED.

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

First Aid:EYES: FLOOD W/WATER AT LEAST 15 MINUTES. GET IMMEDIATE MED  
AID. SKIN: REMOVE CLOTHING, FLUSH W/WATER AT LEAST 15 MINUTES. GET  
MED AID. IF BURNS OCCUR

COVER W/DRY STERYL DRESSING & GET IMMED MED AID. INHALATION: REMOVE TO FRESH AIR. IF TROUBLE BREATHING GIVE OXYGEN. IF BREATHING STOPS GIVE MOUTH-TO-MOUTH. GET IMMED MED AID. INGEST: DRINK LOTS WATER. DON'T INDUCE VOMITING. CALL DR/POISON CONTROL.

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

Extinguishing Media:NA

Fire Fighting Procedures:DON'T LET WATER CONTACT CNTNRS, HEAT GENERATED IF WATER ENTERS CNTNRS & MAY EXPLODE. USE FOAM/SCBA/FULL TURN-OUT

GEAR AS NFPA. FINE WATER SPRAY FOR SOME CONDIT.

Unusual Fire/Explosion Hazard:WILL EMIT HIGHLY TOXIC CHLORINE FUMES IF INVOLVED IN FIRE. EVACUATE AREA. KEEP UPWIND OF RELEASED FUMES.

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

Spill Release Procedures:AIR: SUPPRESS VAPORS W/WATER FOG.

CONTAIN/DISPOSE H2O USED FOR FIRE SUPPRESSION BEFORE DISPOSAL.

WATER: MONITOR ALL EXIT WATER FOR AVAIL CHLORINE/PH. ADVISE LOCAL AUTH. LAND: CNTNRIZE VIRGIN MAT'L IN

CLEAN/DRY CNTNR

W/CLEAN/DEDICATED EQUIP. CNTNRIZE\*

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

Handling and Storage Precautions:STORE IN COOL/DRY AREA. KEEP AWAY FROM MOISTURE PICK-UP. DON'T STORE >125F. KEEP CNTNR CLSD WHEN NOT USING. USE ONLY W/PROPER VENT/PROTEC CLOTHING.

Other Precautions:NOT FOR HOUSEHOLD USE. KEEP AWAY FROM CHILDREN. WASH CONTAM CLOTHES BEFORE REUSE. DISCARD CONTAM SHOES. WASH HANDS/FACE AFTER USING & BEFORE EATING/DRINKING/SWIMMING/USING TOILET.

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

Respiratory Protection:FOR CONFINED AREAS, APPROVED FULL FACEPIECE W/CHLORINE CARTRIDGES/DUST MIST FILTERS.

Ventilation:LOCAL EXHAUST TO MINIMIZE DUST ON CHLORINE LEVELS. USE EXPLOSION PROOF MOTORIZED FANS. KEEP FAN BLADES CLEAN OF DUST.

Protective Gloves:NEOPRENE OR PVC

Eye Protection:CHEMICAL GOGGLES

Other Protective Equipment:NEOPRENE OR PVC BOOTS. APRONS OR IMPERMIABLE SUIT TO AVOID SKIN/EYE

CONTACT.

Supplemental Safety and Health

\*ALL CONTAMINATED MATERIAL IN CLEAN DRY CONTAINER. MOVE TO WELL-VENTILATED AREA BEING SURE NOT TO SEAL TIGHTLY. CONTAM SPILL MAT'L MAY BE HAZARDOUS WASTE. DISPOSE RESIDUE PER GUIDELINES UNDER WASTE DI SPOSAL. MATERIAL MAY BE NEUTRALIZED FORDISPOSAL.

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

Boiling Pt:B.P. Text:NA  
Melt/Freeze Pt:M.P/F.P Text:NA  
Decomp Temp:Decomp Text:351F,177C  
Vapor Pres:NA  
Vapor Density:NA  
Spec G  
ravity:NA  
Solubility in Water: 18% @25C  
Appearance and Odor:WHITE POWDER, STRONG CHLORINE ODOR.

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

Stability Indicator/Materials to Avoid:NO  
ACIDS, ORGANICS, NITROGEN, DRY POWDER FIRE EXTINGUISHERS. CORROSIVE, FLAMMABLE &/OR COMBUSTIBLE MATERIALS.  
Stability Condition to Avoid:HIGH HUMIDITY, TEMPS ABOVE 125F.  
Hazardous Decomposition Products:CHLORINE GAS.

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

Wa  
ste Disposal Methods:EPA HAZ WASTE #D001. MUST BE DISPOSED OF IN ACCORDANCE W/LOCAL/STATE/FED REGS IN PERMITTED HAZ WASTE TREATMENT/STORAGE/DISPOSAL FACILITY.

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