

OCTAGON PROCESS,INC -- MIL-C-51407, CHLORINATED LIME, TECHNICAL -- 6810-00-255-5917  
===== Product Identification =====

Product ID:MIL-C-51407, CHLORINATED LIME, TECHNICAL

MSDS Date:11/05/1992

FSC:6810

NIIN:00-255-5917

MSDS Number: BDPFB

=== 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

Eme

rgency Phone Num:201-945-9400

Preparer's Name:DGSC-SSH

CAGE:DO973

=== 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

Company Name:OCTAGON PROCESS,INC.

Address:596 RIVER ROAD

City:EDGEWATER

State:NJ

ZIP:07020-1105

Country:US

Phone:201-945-9400

CAGE:DO973

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

Ingred Name:CHLORINATED LIME

Fraction by Wt: 99%

OSHA PE

L:0.5 PPM (CHLORINE)  
ACGIH TLV:0.5 PPM (CHLORINE)

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

LD50 LC50 Mixture:ORAL LD50 (RAT) IS 900 MG/KG (HCL)  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:EYE, SKIN & RESPIRATORY TRACT  
IRRITATION.  
Explanation of Carcinogenicity:NONE OF THE COMPOUNDS IN THIS PRODUCT IS  
LISTED BY IARC, NTP, OR OSHA AS A CARCINOGEN.  
Effects of Over  
exposure:CAN CAUSE BURNS TO EYES AND SKIN. INHALATION OF  
VAPORS, FUMES AND DUST CAN CAUSE IRRITATION TO MUCOUS MEMBRANES.  
Medical Cond Aggravated by Exposure:OVEREXPOSURE MAY AGGRAVATE EXISTING  
CHRONIC RESPIRATORY CONDITIONS SUCH AS ASTHMA, BRONCHITIS AND  
INFLAMMATORY OR FIBROTIC RESPIRATORY DISEASE.

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

First Aid:INHALATION: REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE  
ARTIFICIAL RESPIRATION. GET MEDICAL ATTENTION  
. EYES: IMMEDIATELY  
FLUSH WITH PLENTY OF WATER FOR 15 MINUTES. GET MEDICAL ATTENTION.  
SKIN: FLUSH WITH WATER. REMOVE CONTAMINATED CLOTHING. INGESTION:  
POISON! IF CONSCIOUS, GIVE MILK, EGG WHITE, STARCH PASTE OR MILK OF  
MAGNESIA BY MOUTH. DO NOT INDUCE VOMITING. GET IMMEDIATE MEDICAL  
ATTENTION.

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

Flash Point:NONE  
Extinguishing Media:USE WATER, PREFERABLY IN FORM OF SPRAY.  
Fire Fighting Procedures:WEAR A NIOSH  
H APPROVED SELF-CONTAINED BREATHING  
APPARATUS AND FULL PROTECTIVE EQUIPMENT WHEN FIGHTING FIRES.  
Unusual Fire/Explosion Hazard:POWERFUL OXIDIZING MATERIAL. NOT  
COMBUSTIBLE BUT EVOLVES OXYGEN AT HIGHER TEMPERATURES. READILY  
IGNITES COMBUSTIBLE OR ORGANIC MATERIALS WHEN IN CONTACT.

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

Spill Release Procedures:ELIMINATE SOURCES OF IGNITION. WEAR NIOSH  
APPROVED RESPIRATOR OR SCBA, GOGGLES, GLOVES & BOOTS. KEEP AWAY

FROM ORGANIC MATERIAL. MIX WITH DRY EARTH OR SAND AND PLACE IN DISPOSAL DRUM. FLUSH RESIDUE WITH LARGE QUANTITIES WATER.

Neutralizing Agent:DILUTE WITH LARGE AMOUNTS OF WATER

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

Handling and Storage Precautions:STORE IN COOL, DRY PLACE AWAY FROM ALL SOURCES OF HEAT. DO NOT STORE NEAR COMBUSTIBLES, ACIDS OR OTHER ORGANIC MATTER. PROTECT & INSPECT CONTAINERS.

Other Precautions:KEEP CONTAINERS CLOSED WHEN NOT IN USE.

PROTECT

AGAINST PHYSICAL DAMAGE. DRUMS MAY RUPTURE FROM EXPOSURE TO HEAT. AVOID STORAGE FOR PROLONGED PERIODS, PARTICULARLY AT SUMMER TEMPERATURES.

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

Respiratory Protection:SELECT A NIOSH APPROVED RESPIRATOR BASED ON CONTAMINATION LEVELS FOUND IN THE WORK PLACE. FOR HIGH LEVELS, A SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE OPERATED IN PRESSURE DEMAND OR POSITIVE PRESSURE IS RECOMMENDED.

Venti

lation:LOCAL EXHAUST WHERE DUST MIGHT OCCUR.

Protective Gloves:RUBBER, NEOPRENE OR PVC

Eye Protection:FACE SHIELD/SAFETY GOGGLE

Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER.

INDUSTRIAL-TYPE WORK CLOTHING AND APRON AS REQUIRED. SHOULD WEAR SAFETY BOOTS.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING, DRINKING OR SMOKING. LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

SUPERTROPICAL BLEACH IS A MIXTURE OF CHLORIN

ATED LIME AND CALCIUM OXIDE

IN A WHITE POWDER FORM. WHEN MANUFACTURED IT CONTAINS 30 PERCENT AVAILABLE CHLORINE. STB DECOMPOSES SLOWLY IN STORAGE EASILY RECOGNIZED BY THE CHLORINE LIKE ODOR. IT IS CORROSIVE TO MOST METALS AND INJURIOUS TO MOST FABRICS.

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

HCC:D1

Decomp Temp:Decomp Text:>120F,>49C

Vapor Density:1.2 (HCL)

Spec Gravity:0.75

pH:BASIC

Solubility in Water:APPRECIABLE

Appearance and Odor:WHITE POWDER,

STRONG CHLORINE ODOR.

Corrosion Rate:FAST

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

Stability Indicator/Materials to Avoid:NO

MOISTURE, SOLVENTS, ACIDS, AND ORGANIC MATERIALS.

Stability Condition to Avoid:HIGH TEMPERATURES AND MOIST CONDITIONS.

Hazardous Decomposition Products:MAY UNDERGO ACCELERATED DECOMPOSITION  
WITH EVOLUTION OF HEAT, HYDROGEN CHLORIDE AND CHLORINE GAS.

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

Waste Disposal Methods

:DISPOSAL SHOULD 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 a  
dvice to verify and  
assume responsibility for the suitability of this information to their  
particular situation.