

OLIN CORP CHEMICALS GROUP -- CCH DRY CHLORINATOR GRANULAR,CPE 133267 --
6810-00-255-0471

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

Product ID:CCH DRY CHLORINATOR GRANULAR,CPE 133267

MSDS Date:04/14/1989

FSC:6810

NIIN:00-255-0471

MSDS Number: CGWZW

=== Responsible Party ===

Company Name:OLIN CORP CHEMICALS GROUP

Address:120 LONG RIDGE RD

City:STAMFORD

State:CT

ZIP:06904

Country:US

Info Phone Num:203-356-

3449

Emergency Phone Num:203-356-3449/800-OLIN-911

CAGE:53084

=== Contractor Identification ===

Company Name:LOS ANGELES CHEMICAL CO

Address:4545 ARDINE ST

Box:1987

City:SOUTH GATE

State:CA

ZIP:90280

Country:US

Phone:213-562-9500

CAGE:75656

Company Name:OLIN CORP CHEMICALS GROUP

Address:120 LONG RIDGE RD

City:STAMFORD

State:CT

ZIP:06904

Country:US

Phone:203-356-3449,CHEMTREC 800-242-9300

CAGE:53084

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

Ingred Name:CALCIUM HYPOCHL

ORITE (CERCLA)
CAS:7778-54-3
RTECS #:NH3485000
Fraction by Wt: 65 - 75%
Other REC Limits:3 MG/M3 (CEILING)MFR
OSHA PEL:0.5 PPM (CL)
ACGIH TLV:0.5PPM/1STEL(CL)9596
EPA Rpt Qty:10 LBS
DOT Rpt Qty:10 LBS

Ingred Name:SODIUM CHLORIDE
CAS:7647-14-5
RTECS #:VZ4725000
Fraction by Wt: 10 - 20%
Other REC Limits:NONE RECOMMENDED

Ingred Name:WATER
CAS:7732-18-5
RTECS #:ZC0110000
Fraction by Wt: 5.5- 10%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:NOT RELEVANT
ACGIH TLV:NOT RELEVANT

Ingred Name:CALCIUM CHL
ORATE
CAS:10137-74-3
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:15 MG/M3 TDUST
ACGIH TLV:5 MG/M3; 9596

Ingred Name:CALCIUM CARBONATE
CAS:471-34-1
RTECS #:FF9335000
Fraction by Wt: 0 - 4%
Other REC Limits:NONE RECOMMEND

ED
OSHA PEL:15 MG/M3
ACGIH TLV:10 MG/M3

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

LD50 LC50 Mixture:LD50 (ORAL, RAT) IS 850 MG/KG (RTECS).
Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:TARGET ORGANS:EYE, SKIN, RESPIRATORY &
GI TRACTS. ACUTE- DUST IRRITATES RESPIRATORY TRACT & MAY CAUSE
BURNS. CORROSIVE TO EYES/SKIN. MAY CAUSE SEVERE IRRITATION AND/OR
BURNS. IF
SWALLOWED, CAUSES IRRITATION AND/OR BURNS OF ENTIRE
GASTROINTESTINAL TRACT. CHRONIC- LUNG DAMAGE, TISSUE DESTRUCTION,
CORNEAL DAMAGE.
Explanation of Carcinogenicity:NONE
Effects of Overexposure:SEVERE IRRITATION, PAIN, ULCERATION, TEARING,
BLINDNESS, SHORTNESS OF BREATH, COUGH, SORE THROAT, NASAL
CONGESTION
Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN
DISORDERS OR EYE PROBLEMS OR IMPAIRED RESPIRATORY FUNCTION MAY BE
MORE SUSCEPTIBLE TO THE EFFECTS O
F THE SUBSTANCE.

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

First Aid:GET MEDICAL HELP IF SYMPTOMS PERSIST. INHALED:MOVE TO FRESH
AIR. PROVIDE CPR/OXYGEN IF NEEDED. EYES:IMMEDIATELY FLUSH WITH
WATER FOR 15 MINUTES. HOLD EYELIDS OPEN. CALL PHYSICIAN. SKIN:FLUSH
WITH PLEN TY OF WATER. ORAL:IF CONSCIOUS, DRINK LARGE AMOUNT OF
WATER. DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION OR TAKE VICTIM
TO AN HOSPITAL EMERGENCY IMMEDIATELY.

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= Fire Fighting Measures =====

Flash Point:NONE
Lower Limits:NOT RELEVANT
Upper Limits:NOT RELEVANT
Extinguishing Media:WATER SPRAY ONLY. NOT COMBUSTIBLE, BUT MAY IGNITE
COMBUSTIBLES. USE WATER SPRAY TO KEEP FIRE EXPOSED CONTAINERS COOL.
Fire Fighting Procedures:WEAR PROTECTIVE CLOTHING AND NIOSH-APPROVED
SELF-CONTAINED BREATHING APPARATUS. DO NOT USE DRY EXTINGUISHER
CONTAINING AMMONIUM COMPOUNDS.
Unusual Fire/Explosion Hazard:WILL EVOLVE CHLORINE GAS AT ELEVATED

TEMPERATURES.

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

Spill Release Procedures:WEAR RESPIRATOR APPROVED FOR DUST/CHLORINE. VENTILATE AREA. SWEEP UP AND MINIMIZE CONTAMINATION WITH ORGANIC MATERIALS. PLACE IN AN APPROPRIATE CONTAINER FOR DISPOSAL. WASH AREA WITH WATER. DO NOT FLU SH TO SEWER. COMPLY WITH HAZWOPER (29 CFR 1910.120

Neutralizing Agent:WEAK OR DILUTE ACID

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

Handling and Storage Precautions:STORE IN COOL, DRY, VENTILATED AREA AWAY FROM INCOMPATIBLE MATERIALS. KEEP CONTAINER TIGHTLY CLOSED. KEEP OUT OF REACH OF CHILDREN.

Other Precautions:DO NOT TAKE INTERNALLY. AVOID CONTACT WITH EYES, SKIN/CLOTHING. AVOID BREATHING DUST. CAUSES SEVERE IRRITATION AND BURNS. WASH THOROUGHLY AFTER HANDLING. DO NOT STORE ABOVE 52C/125F.

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

Respiratory Protection:NONE REQUIRED WHERE ADEQUATE VENTILATION

CONDITIONS EXIST. IF AIRBORNE CONCENTRATION IS HIGH, WEAR A NIOSH-APPROVED DUST AND CHLORINE RESPIRATOR OR SELF-CONTAINED BREATHING APPARATUS.

Ventilation:USE LOCAL EXHAUST VENTILATION TO MINIMIZE DUST AND CHLORINE LEVELS.

Protective Gloves:NEOPRENE, PVC, RUBBER

Eye Protection:DUST-RESISTANT SAFETY GOGGLES

Other Protective Equipment:PROTECTIVE CLOTHING, EYE-WASH FACILITIES, SAFETY SHOWER.

Work Hygienic Practices:OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. WASH THOROUGHLY BEFORE EATING, DRINKING/SMOKING.

Supplemental Safety and Health

DIFFERENT FORMULA AND/OR PERCENTAGE; SEE PNI A AND B, SAME NSN.

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

HCC:D1

NRC/State Lic Num:NOT RELEVANT

Decomp Temp:Decomp Text:350F,177C

Spec Gravity:0.8

pH:11.5

Viscosity:NOT RELEVANT

Evaporation Rate & Reference:NOT RELEVANT

Solubility in Water:18% @ 25C/77F

Appearance and Odor:WHITE FREE FLOWING POWDER WITH CHLORINE-LIKE

ODOR

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

Stability Indicator/Materials to Avoid: YES

ACIDS, COMBUSTIBLES, ORGANICS, NITROGEN CONTAINING COMPOUNDS, FLAMMABLE MATERIALS, DRY FIRE EXTINGUISHER (AMMONIUM COMPOUND)

Stability Condition to Avoid: TEMPERATURES ABOVE 125F/52C, HIGH HUMIDITY

Hazardous Decomposition Products: CHLORINE GAS

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

Waste Disposal Methods: DISPOSAL OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. EPA HAZARDOUS WASTE NUMBER: D001. DO NOT CONTAMINATE ENVIRONMENT.

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