

OLIN CORP CHEMICALS GROUP -- HTH DRY CHLORINE GRANULAR -- 6810-00-255-0471

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Product Identification
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Product ID:HTH DRY CHLORINE GRANULAR
MSDS Date:08/01/1994
FSC:6810
NIIN:00-255-0471
Status Code:A
MSDS Number: CJLNV
=== 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
Resp. Party Other MSDS Num.:CPE00002.0117
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

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Composition/Information on Ingredients
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Ingred Name:CALCIUM HYPOCHLORITE (CERCLA)
CAS:7778-54-3
RTECS #:NH3485000
Minumum % Wt:65.
Maxumum % Wt:75.
Other REC Limits:NONE RECOMMENDED
EPA Rpt Qty:10 LBS
DOT Rpt Qty:10 LBS

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

Ingred Name:CALCIUM CHLORATE
CAS:10137-74-3
RTECS #:FN9800000
Minumum % Wt:0.
Maxumum % Wt:5.
Other REC Limits:NONE RECOMMENDED

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

Ingred Name:CALCIUM HYDROXIDE
CAS:1305-62-0
RTECS #:EW2800000
Minumum % Wt:0.
Maxumum % Wt: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
Minumum % Wt:0.
Maxumum % Wt:4.
Other REC Limits:NONE RECOMMENDED
OSHA PEL:15 MG/M3 (TDUST)
OSHA STEL:5 MG/M3 (RESP)
ACGIH TLV:10 MG/M3

Ingred Name:WATER
CAS:7732-18-5
RTECS #:ZC0110000
Minumum % Wt:5.5
Ma

ximum % Wt:10.

Other REC Limits:NONE RECOMMENDED

OSHA PEL:NOT RELEVANT

ACGIH TLV:NOT RELEVANT

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

LD50 LC50 Mixture:LD50 (ORAL, RAT) IS 850 MG/KG.

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:TARGET ORGANS:EYES, SKIN, RESPIRATORY SYSTEM (HMIS). ACUTE - INHALATION: INHALATION OF THIS MATERIAL IS IRRITATING TO NOSE, THROAT AND

LUNGS. MAY ALSO CAUSE BURNS TO

RESPIRATORY TRACT WITH LUNG EDEMA, SHORTNESS OF BREATH, WHEEZING, CHOCKING, CHEST PAIN, PERMANENT LUNG DAMAGE. EYE: SEVERE IRRITATION AND/OR BURNS, CORNEAL DAMAGE. SKIN: CAN CAUSE SEVERE IRRITATION AND/OR BURNS, REDNESS, SWELLING. PRO LONGED SKIN CONTACT MAY CAUSE DESTRUCTION OF DERMIS. INGESTION: IRRITATION AND/OR BURNS OF ENTIRE GI TRACT, NAUSEA, VOMITING, DIARRHEA, ABDOMINAL PAIN, BLEEDING AND/OR TISSUE ULCERATION. CHRONIC- TISS UE DE

STRUCTION, LUNG AND CORNEAL DAMAGE.

Explanation of Carcinogenicity:THIS PRODUCT IS NOT KNOWN OR REPORTED TO BE CARCINOGENIC BY ANY REFERENCE SOURCE INCLUDING IARC, OSHA, NTP, OR EPA.

Effects of Overexposure:THIS MATERIAL IS IRRITATING TO NOSE, THROAT AND LUNGS. MAY ALSO CAUSE BURNS TO RESPIRATORY TRACT WITH LUNG EDEMA, SHORTNESS OF BREATH, WHEEZING, CHOCKING, CHEST PAIN, PERMANENT LUNG DAMAGE. SEVERE EYE IRRITATION AND/OR BURNS, CORNEAL DAMAGE. CAN CAUSE SEVERE SKIN I

RRITATION AND/OR BURNS, REDNESS, SWELLING.

PROLONGED SKIN CONTACT MAY CAUSE DESTRUCTION OF DERMIS. INGESTION CAN CAUSE IRRITATION AND/O R BURNS OF ENTIRE GASTROINTESTINAL TRACT INCLUDING STOMACH AND INTESTINE, NAUSEA, VOMITING, DIARRHEA, ABDOMINAL PAIN, BLEEDING AND/OR TISSUE ULCERATION.

Medical Cond Aggravated by Exposure:ASTHMA, RESPIRATORY AND CARDIOVASCULAR DISEASES

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

First Aid:EYES: IMMEDIATELY FLUSH WI

TH LARGE AMOUNT OF WATER FOR AT
LEAST 15 MINUTES, OCCASIONALLY LIFTING UPPER AND LOWER EYELIDS. CALL
A PHYSICIAN AT ONCE. SKIN: IMMEDIATELY FLUSH WITH WATER FOR AT
LEAST 15 MINUTES. CALL A PHYSICIAN. REMOVE CONTAMINATED CLOTHING
AND LAUNDRY BEFORE REUSE. INGESTION: IMMEDIATELY DRINK LARGE
QUANTITIES OF WATER. DO NOT INDUCE VOMITING. CALL A PHYSICIAN AT
ONCE. DO NOT GIVE ANYTHING BY MOUTH IF THE PERSON IS UNCONSCIOUS
OR IF HAVING CONVULSIONS. INHALATION: REMOVE VICTIM
TO FRESH AIR.
SUPPORT RESPIRATION IF NEEDED. CALL A PHYSICIAN.

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

Flash Point: NONE
Lower Limits: NOT RELEVANT
Upper Limits: NOT RELEVANT
Extinguishing Media: NOT APPLICABLE.
Fire Fighting Procedures: USE WATER TO COOL CONTAINERS EXPOSED TO FIRE.
DO NOT USE DRY EXTINGUISHERS CONTAINING AMMONIUM COMPOUNDS.

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

Spill Release Procedures: REMOVE ALL SOURCES OF IG
NITION. STOP SOURCE OF
SPILL AS SOON AS POSSIBLE AND NOTIFY APPROPRIATE PERSONNEL.
CONTAINERIZE ALL VIRGIN MATERIAL IN A CLEAN DRY CONTAINER USING
CLEAN DEDICATED EQUIPMENT TO CLEAN UP MATERIAL. CONTAINERIZE ALL
CONTAMINATED MATERIAL IN A CLEAN DRY CONTAINER AND REMOVE TO A WELL
VENTILATED AREA BEING SURE NOT TO SEAL TIGHTLY. CONTAMINATED SPILL
MAY BECOME A HAZARDOUS WASTE.
Neutralizing Agent: N/P. WEAK OR DILUTE ACID (HMIS)

===== Handling and Storage =
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Handling and Storage Precautions: KEEP TIGHTLY SEALED. STORE IN COOL,
DRY, WELL-VENTILATED AREA. DO NOT STORE AT TEMPERATURES ABOVE 52C
(125F).
Other Precautions: DO NOT TAKE INTERNALLY. AVOID CONTACT WITH EYES, SKIN
OR CLOTHING. UPON CONTACT WITH SKIN OR EYES, WASH OFF WITH WATER.

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

Respiratory Protection: WEAR NIOSH/MSHA APPROVED RESPIRATOR.
Ventilation: USE LOCAL EXHAUST VENTILATION TO MINIMIZE

DUST AND CHLORINE
LEVELS.

Protective Gloves:NEOPRENE, PVC, RUBBER

Eye Protection:CHEMICAL GOGGLES

Other Protective Equipment:IMPERMEABLE SUIT TO AVOID SKIN & EYE
CONTACT. NEOPRENE OR PVC BOOTS NEOPRENE OR PVC APRON. FACE SHIELD
&/OR PROTECTIVE SUIT NOT NORMALLY REQUIRED.

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

Supplemental Safety and Health

===== Physical/Chem
ical Properties =====

HCC:D1

NRC/State Lic Num:NOT RELEVANT

Decomp Temp:=176.7C, 350.F

Spec Gravity:0.8

pH:10.5-11.5 (1%)

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, ORGANICS, NITROGEN CONTAINING COMPOUNDS, FLAMMABLE OR
COMBUSTIBLE MATERIALS, DRY POWDER FIRE EXTINGUISHER (CONTAINING
MONO-AMMONIUM

PHOSPHATE), AND CORROSIVE.

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

Hazardous Decomposition Products:CHLORINE GAS

Conditions to Avoid Polymerization:WILL NOT OCCUR

===== Toxicological Information =====

Toxicological Information:DERMAL LD50: > 2 G/KG (RABBIT). INHALATION

LC50: APPROXIMATELY 1700 MG/CUBIC METER FOR 1 HOUR IN THE RAT BASED
ON ACUTE TOXICITY FOR CHLORINE.

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

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Waste Disposal Methods:IF THIS PRODUCT BECOMES A WASTE, IT MEETS CRITERIA OF A HAZARDOUS WASTE AS DEFINED UNDER 40 CFR 261 AND WOULD HAVE EPA HAZARDOUS WASTE NUMBER D001. IF THIS PRODUCT BECOMES A WASTE, IT WILL BE A HAZARD OUS WASTE WHICH IS SUBJECT TO LAND DISPOSAL RESTRICTIONS UNDER 40 CFR 268 AND MUST BE MANAGED ACCORD INGLY.

===== Regulatory Information =====

SARA Title III Information:PER 40 CFR 370.2: HEALTH: IMMEDIATE (ACUTE).

PHYSICAL: FIRE AND REACTIVITY.

Federal Regulatory Information:THIS SUBSTANCE IS LISTED ON THE TOXIC SUBSTANCE CONTROL ACT (TSCA) INVENTORY. REGULATED UNDER FIFRA, USDA AND FDA.

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