## OLIN CORPORATION -- CALCIUM HYPOCHLORITE GRANULAR -- 6810-00-238-8115

Product ID:CALCIUM HYPOCHLORITE GRANULAR

MSDS Date:08/01/1994

FSC:6810

NIIN:00-238-8115

MSDS Number: CJNCK === Responsible Party ===

Company Name: OLIN CORPORATION

Address:501 MERRITT 7

Box:4500

City:NORWALK

State:CT

ZIP:06856-4500

Country:US

Info Phone Num:800-511-6737/203-356-3449

Emergency Phone Num:800-654-6911/203-356-2000

Preparer's Name: OLIN MSDS CONT

ROL GROUP CAGE:99530

=== Contractor Identification ===

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

Company Name: OLIN CORPORATION

Address:501 MERRITT 7

Box:4500

City:NORWALK

State:CT

ZIP:06856-4500

Country:US

Phone:203-750-3000/800-511-MSDS

CAGE:99530

Company Name: WALTRON LTD

Address:50 TANNERY RD

Box:70

City:WHITEHOUSE

State:NJ

ZIP:08888-0070 Country:US

Phone:908-534-5654/FAX: 908

-534-5694

Contract Num:SP0450-99-M-ND25

CAGE:71229

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

Ingred Name: CALCIUM HYPOCHLORITE (CERCLA)

CAS:7778-54-3

RTECS #:NH3485000

Minumum % Wt:65.

Maxumum % Wt:75.

Other REC Limits: NONE RECOMMENDED

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

Minumum % Wt:10.

Maxumum % Wt:20.

Other REC Limits: NONE RECOMMENDED

Ingred Name:CAL

**CIUM 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

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:15 MG/M3 TDUST ACGIH TLV:5 MG/M3; 9596

Ingred Name: CALCIUM CARBONATE

CAS:471-34-1

RTECS #:FF9335000

Minumum % Wt:0.

Max

umum % Wt:4.

Other REC Limits: NONE RECOMMENDED

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

Ingred Name:WATER

CAS:7732-18-5

RTECS #:ZC0110000 Minumum % Wt:5.5 Maxumum % Wt:10.

Other REC Limits: NONE RECOMMENDED

OSHA PEL:NOT RELEVANT **ACGIH TLV:NOT RELEVANT** 

LD50 LC50 Mixture:ORAL LD50 (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: INHALATION: NOSE, MOUTH, THROAT &

LUNGS IRRITATION, RESPIRATORY TRACT BURNS, LUNG EDEMA, SHORTNESS OF BREATH, WHEEZING, CHOKING, CHEST PAIN, & LUNG DAMAGE. EYES: IRRITATION, BURNS, & CORNEAL DAMAGE. S KIN: SEVERE IRRITATION, BURNS, DERMATITIS. INGESTION: IRRITATION AND/OR BURNS TO THE ENTIRE GASTROINTESTINAL TRACT, INCLUDING STOMACH AND INTESTINES. CHRONIC: INHALATION IMPAIRMENT OF LUNG FUNCTION AN D PERMANENT LUNG DAMAGE.

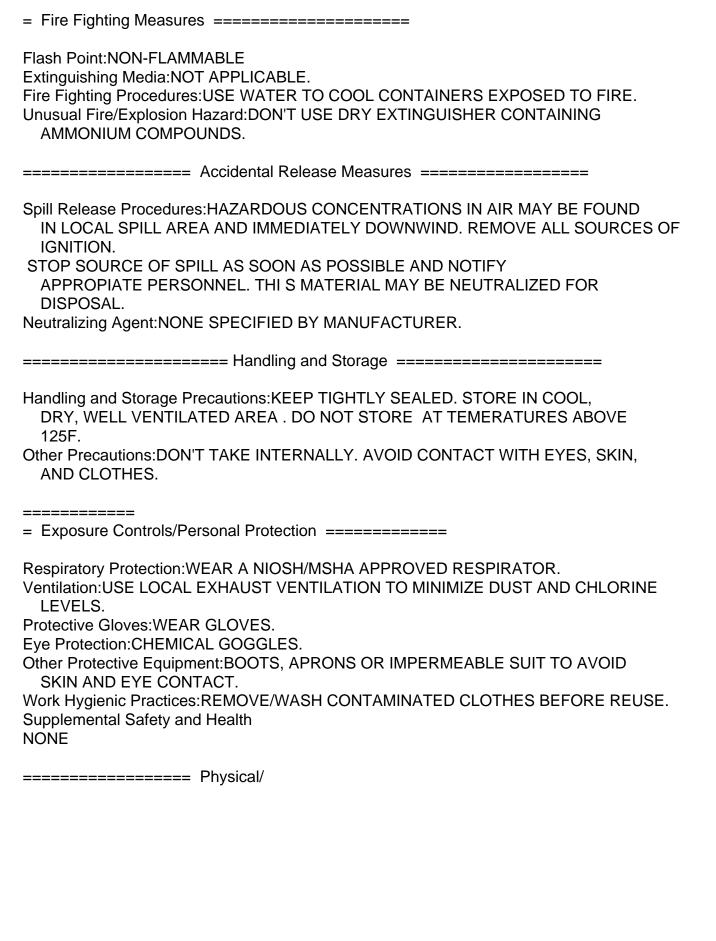
Explanation of Carcinogenicity:NOT CARCI

NOGENIC.

Effects of Overexposure: INHALATION: NOSE, MOUTH, THROAT, & LUNGS IRRITATION, RESPIRATORY TRACT BURNS, LUNG EDEMA, SHORTNESS OF BREATH, WHEEZING, CHOKING, CHEST PAIN, LUNG DAMAGE, EYES: SEVERE IRRITATION, BURNS, CORNEAL DAMAG E. SKIN: SEVERE IRRITATION, BURNS, DERMATITIS. INGESTION: BURNS, NAUSEA, VOMITING AND DIARRHEA. Medical Cond Aggravated by Exposure: ASTHMA, RESPIRATORY, CARDIOVASCULAR DISEASE.

	First Aid Measures	
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First Aid:EYES: IMMEDIATELY FLUSH WITH LARGE AMOUNTS OF WATER FOR 15 MIN. CALL A PHYSICIAN AT ONCE. SKIN: REMOVE CONTAMINATED CLOTHING. IMMEDIATELY FLUSH SKIN AREA WITH WATER FOR 15 MINS. CALL A PHYSICIAN. INGES TION: IMMEDIATELY DRINK LARGE QUANTITIES OF WATER. DON'T INDUCE VOMITING. DON'T GIVE ANYTHING BY MOUTH IF THE PERSON IS UNCONSCIOUS OR HAVING CONVULSIONS. INHALATION: REMOVE VICTIM TO FRESH AIR. SUPPO RT RESPIRATION IF NEEDED. CALL PHYSICIAN



Chemical Properties ====================================
HCC:D1 Decomp Temp:Decomp Text:350F Spec Gravity:BULK DENSITY:0.8 GM/CC oH:10.5-11.5 Solubility in Water:18% @ 25C Appearance and Odor:WHITE FREE FLOWING POWDER, CHLORINE-LIKE
========= Stability and Reactivity Data ===========
Stability Indicator/Materials to Avoid:YES ACIDS, ORGANICS, NITROGEN CONTAINING COMPOUNDS, DRY POWDER FIRE EXTINGUISHERS CONTAINING MONO-AMMONIUM PHOSPHATE), CORROSIVE, FLAMMABLE OR COMBUSTIBLE MATERIALS. Stability Condition to Avoid:AVOID HIGH TEMPERATURES ABOVE 125F, HIGH UMIDITY. PRODUCT MAY BE UNSTABLE AT TEMPERATURES ABOVE 350F(177C). Hazardous Decomposition Products:CHLORINE GAS. Conditions to Avoid Polymerization:WILL NOT OCCUR.
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Toxicological Information:THIS PRODUCT HAS THE POTENTIAL TO BE IMMEDIATELY DANGEROUS TO LIFE OR HEALTH. WARNING STATEMENT AND WARNING PROPERTIES: HARMFUL IF INHALED OR INGESTED. HARMFU L IF
EXPOSED TO SKIN OR EYES.
========== Ecological Information ==============
Ecological:IF THIS PRODUCT BECOMES A WASTE, IT WILL BE A HAZARDOUS WASTE WHICH IS SUBJECT TO THE LAND DISPOSAL RESTRICTIONS UNDER 40 CFR 368 AND MUST BE MANAGED ACCORDINGLY. CARE MUST BE TAKEN TO PREVENT ENVIRON MENTAL CONTAMINATION FROM THE USE OF THES MATERIAL. THE USER OF THIS MATERIAL HAS THE RESPONSIBILITY TO DISPOSE OF UNUSED MATERIAL, RESIDUES AND CONTAINERS IN COMPLIANCE WITH ALL RELEVANT LOCAL, STATE, AND FEDERAL LAWS AND REGULATIONS REGARDING TREATMENT, STORAGE, AND DISPOSAL FOR HAZARDOUS AND NONHAZARDOUS
WASTES.
========= Disposal Considerations =============
Waste Disposal Methods:AS A HAZARDOUS SOLID WASTE, IT MUST BE DISPOSED OF IN ACCORDANCE WITH FEDERAL, STATE, LOCAL REGULATIONS. IN A PERMITTED HAZARDOUS WASTE TREATMENT, STORAGE, AND DISPOSAL FACILITY

BY TREATMENT. EPA HAZ ARDOUS WASTE NUMBER: D001.

Transport Information:THIS MATERIAL IS REGULATED AS A DOT HAZARDOUS
MATERIAL. DOT DESCRIPTION FROM THE HAZAROUUS MATERIALS TABLE 49 CFR
172.101: LAND (U.S.DOT): CALCIUM HYPOCHLORITE, HYDRATED MIXTURES,
HAZARD CLASS: 5.1, U N 2880, PG II. WATER (IMO): SAME AS ABOVE.
AIR (IATA/ICAO): SAME AS ABOVE. HAZARD LABEL/PLACARD: OXIDIZER.
REPORTABLE QUANTITY: 10 LBS. (PER 49 CFR 172.101.APPENDIX),
EMERGENCY GUID
E NO: 45.

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

======== MSDS Transport Information ===========

SARA Title III Information:SUPERFUND AMENDMENT AND REAUTHORIZATION ACT TITLE III: HAZARD CATEGORIES, PER 40 CFR 370.2: HEALTH: IMMEDIATE (ACUTE).PHYSICAL: FIRE AND REACTIVITY.

Federal Regulatory Information:THIS SUBSTANCE IS LISTED ON THE TOXIC SUBSTANCES CONTROL ACT INVENTORY. NSF LIMITS: NSF MAXIMUM DRINKING WATER USE CONCENTRATION: 46 MG/L AS CALCIUM HYPOCHLORITE.

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Information	 ====	===	===	

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