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|---|---|
| FOR ANY EMERGENCY, 24 HOURS / 7 DAYS, CALL: | 1-800-654-6911 (OUTSIDE USA: 1-423-780-2970) |
| FOR ALL TRANSPORTATION ACCIDENTS, CALL CHEMTREC®: | 1-800-424-9300 (OUTSIDE USA: 1-703-527-3887) |
| FOR ALL SDS QUESTIONS & REQUESTS, CALL: | 1-800-511-MSDS (OUTSIDE USA: 1-423-780-2347) |

PRODUCT NAME: **GLB SUPER CHARGE II**

EPA Registration Number: 1258-1237

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Supplier

GLB
1400 Bluegrass Lakes Parkway ,
Alpharetta, GA, 30004
USA

Telephone: +17705215999
Telefax: +17705215959
Web: www.poolspacare.com

REVISION DATE: 06/02/2015
SUPERCEDES: 05/26/2015

MSDS Number: 000000024527
SYNONYMS: None
CHEMICAL FAMILY: None
DESCRIPTION / USE: None established
FORMULA: None established

Manufacturer

Advantis Technologies
1200 Bluegrass Lakes Parkway
Alpharetta, GA 30004
United States of America

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

| | | |
|----------------------------------|---|---------------------------------|
| Oxidizing solids | : | Category 2 |
| Acute toxicity (Oral) | : | Category 4 |
| Skin irritation | : | Category 2 |
| Serious eye damage | : | Category 1 |
| Acute toxicity (Inhalation) | : | Category 3 |
| Specific target organ toxicity - | : | Category 3 (Respiratory system) |

single exposure

GHS Label element

Hazard pictograms



Signal word

: Danger

Hazard statements

: H272 May intensify fire; oxidiser.
H302 Harmful if swallowed.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H331 Toxic if inhaled.
H335 May cause respiratory irritation.

Precautionary statements

: **Prevention:**
P210 Keep away from heat.
P220 Keep/Store away from clothing/ combustible materials.
P221 Take any precaution to avoid mixing with combustibles.
P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P264 Wash skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/ eye protection/ face protection.
Response:
P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell. Rinse mouth.
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/ physician if you feel unwell.
P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/ physician.
P332 + P313 If skin irritation occurs: Get medical advice/ attention.
P362 Take off contaminated clothing and wash before reuse.
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.
Storage:
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.
Disposal:
P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

| <u>CAS OR CHEMICAL NAME</u> | <u>CAS #</u> | <u>% RANGE</u> |
|-----------------------------------|--------------|----------------|
| CALCIUM HYPOCHLORITE | 7778-54-3 | 40 - 55 |
| SODIUM CHLORIDE | 7647-14-5 | 5 - 15 |
| CALCIUM CHLORATE | 10137-74-3 | 0 - 4 |
| CALCIUM CHLORIDE | 10043-52-4 | 0 - 4 |
| CALCIUM HYDROXIDE | 1305-62-0 | 0 - 5 |
| CALCIUM CARBONATE | 471-34-1 | 0 - 4 |
| MAGNESIUM SULFATE HEPTAHYDRATE | 10034-99-8 | 25 - 35 |
| Water | 7732-18-5 | 17 - 22 |

SECTION 4. FIRST AID MEASURES

| | |
|---------------------|--|
| General Advice: | Call a poison control center or doctor for treatment advice. For 24-hour emergency medical assistance, call Arch Chemical Emergency Action Network at 1-800-654-6911. Have the product container or label with you when calling a poison control center or doctor, or going for treatment. |
| Inhalation: | IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice. |
| Skin Contact: | IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice. |
| Eye Contact: | IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice. |
| Ingestion: | IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person. |
| Notes to Physician: | Probable mucosal damage may contraindicate the use of gastric lavage. |

SECTION 5. FIREFIGHTING MEASURES

Flammability Summary (OSHA): This product contains an ingredient (calcium hypochlorite) which is both a strong oxidizer and is chemically reactive with many substances. Strong oxidizers are capable of intensifying a fire once started. Because of this, any contamination of the product with other substances by spill or otherwise should be avoided. Also see section 7., Product is not known to be flammable, combustible or pyrophoric., NFPA Oxidizer Class: Meets the criteria of an NFPA Class 1 Oxidizer

Flammable Properties

Flash Point: Not applicable
Autoignition Temperature: Not applicable
Extinguishing Media: Water only. Do not use dry extinguishers containing ammonium compounds.
Fire Fighting Instructions: Use water to cool containers exposed to fire. See Section 6 for protective equipment for fire fighting.
Upper Flammable / Explosive Limit, % in air: Not applicable
Lower Flammable / Explosive Limit, % in air: Not applicable

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Protection for Emergency Situations: Response to a large quantity spill (100 pounds or greater) or when dusting or decomposition gas exposure could occur requires the use of a positive pressure full face supplied air respirator or self contained breathing apparatus (SCBA), chemical resistant gloves, coveralls and boots. In case of fire, this personal protective equipment should be used in addition to normal fire fighter equipment.

Spill Mitigation Procedures

Air Release: Vapors may be suppressed by the use of water fog. All water utilized to assist in fume suppression, decontamination or fire suppression may be contaminated and must be contained before disposal and/or treatment.

Water Release: This material is heavier than water. This material is soluble in water. Monitor all exit water for available chlorine and pH. Advise local authorities of any contaminated water release.

| | |
|--------------------------------|--|
| Land Release: | Contact 1-800-654-6911 immediately. DANGER: All spills of this product should be treated as contaminated. Contaminated product may initiate a chemical reaction that may spontaneously ignite any combustible material present, resulting in a fire of great intensity. In case of a spill, separate all spilled product from packaging, debris and other material. Using a clean broom or shovel, place all spilled product into plastic bags, and place those bags into a clean, dry disposal container, properly marked and labeled. Disposal containers made of plastic or metal are recommended. Do not seal disposal containers tightly. Immediately remove all product in disposal containers to an isolated area outdoors. Place all damaged packaging material in a disposal container of water to assure decontamination (i.e. removal of all product) before disposal. Place all undamaged packaging in a clean, dry container properly marked and labeled. Call for disposal procedures. |
| Additional Spill Information : | Hazardous concentrations in air may be found in local spill area and immediately downwind. Remove all sources of ignition. Stop source of spill as soon as possible and notify appropriate personnel. Dispose of spill residues per guidelines under Section 13, Disposal Consideration. This material may be neutralized for disposal; you are requested to contact Arch Chemicals at 1-800-654-6911 before beginning any such procedure. FOR ALL TRANSPORTATION ACCIDENTS, CALL CHEMTREC: 1-800-424-9300 REPORTABLE QUANTITY: 10 lbs. (as calcium hypochlorite) per 40 CFR 302.4. |

SECTION 7. HANDLING AND STORAGE

| | |
|-------------------------|---|
| Handling: | Avoid inhalation of dust and fumes. Do not take internally. Avoid contact with skin, eyes and clothing. Upon contact with skin or eyes, wash off with water. Remove contaminated clothing and wash before reuse. |
| Storage: | Keep product tightly sealed in original containers. Store product in a cool, dry, well-ventilated area. Store away from combustible or flammable products. Keep product packaging clean and free of all contamination, including, e.g. other pool treatment products, acids, organic materials, nitrogen-containing compounds, dry powder fire extinguishers (containing mono-ammonium phosphate), oxidizers, all corrosive liquids, flammable or combustible materials, etc. |
| Shelf Life Limitations: | Do not store product where the average daily temperature exceeds 95° F. Storage above this temperature may result in rapid decomposition, evolution of chlorine gas and heat sufficient to ignite combustible products. Shelf life (that is, the period of time before the product goes below stated label strength) is determined by storage time and temperatures. Store in a cool, dry and well ventilated area. Prolonged storage at elevated temperatures will significantly shorten the shelf life. Storage in a climate controlled storage area or building is recommended in those areas where extremes of high temperature occur., Average daily temperature of 35° C / 95° F. Storage above this temperature may result in rapid decomposition, evolution of chlorine gas and heat sufficient to ignite combustible products. |

Incompatible Materials for Storage: Do not allow product to come in contact with other materials, including e.g. other pool treatment products, acids, organic materials, nitrogen-containing compounds, dry powder fire extinguishers (containing mono-ammonium phosphate), oxidizers, all corrosive liquids, flammable or combustible materials, etc. A chemical reaction with such substances can cause a fire.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation: Local exhaust ventilation or other engineering controls are normally required when handling or using this product to keep airborne exposures below the TLV, PEL or other recommended exposure limit.

Protective Equipment for Routine Use of Product

Respiratory Protection : Wear a NIOSH approved respirator if levels above the exposure limits are possible., A NIOSH approved full-face air purifying respirator equipped with combination chlorine/P100 cartridges. Air purifying respirators should not be used in oxygen deficient or IDLH atmospheres or if exposure concentrations exceed ten (10) times the published limit.

Skin Protection : Wear impervious gloves to avoid skin contact. A full impervious suit is recommended if exposure is possible to a large portion of the body.

Eye Protection: Use chemical goggles.

Protective Clothing Type: Nitrile, Natural rubber, Neoprene (This includes: gloves, boots, apron, protective suit)

General Protective Measures: An eye wash and safety shower should be provided in the immediate work area.

Components with workplace control parameters

| Components (CAS-No.) | Value | Control parameters | Basis (Update) |
|----------------------------------|-------|---------------------------|------------------|
| CALCIUM HYPOCHLORITE (7778-54-3) | TWA | 1 mg/m ³ | ARCH OEL * |
| CALCIUM HYPOCHLORITE (7778-54-3) | Conc | 37 - 48 mg/m ³ | NIOSH/GUIDE IDLH |
| CALCIUM HYDROXIDE (1305-62-0) | TWA | 5 mg/m ³ | ACGIH (02 2014) |

ARCH OEL: Arch Recommended Occupational Exposure Guideline.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: solid
 Form: granules
 Color: white
 Odor: Chlorine-like
 Molecular Weight: 143.00 g/mol

| | |
|--|--|
| pH : | 10.0 - 10.8 () 10 g/l (as aqueous solution) |
| Boiling Point: | Not applicable |
| Melting point/freezing point | Not applicable |
| Density | 0.8 g/cm ³ |
| Bulk Density: | () no data available |
| Vapor Pressure: | Not applicable |
| Vapor Density: | Not applicable |
| Viscosity: | no data available |
| Solubility in Water: | 180 g/l 77 °F (25 °C) |
| Partition coefficient n-octanol/water: | Not applicable |
| Evaporation Rate: | Not applicable |
| Oxidizing: | None established |
| Volatiles, % by vol.: | Not applicable |
| VOC Content | Not applicable This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM I Intermediate or Final VOC's (40 CFR 60.489). This product does not contain any VOC exemptions listed under the U.S. Clean Air Act Section 450. |
| HAP Content | Not applicable |

SECTION 10. STABILITY AND REACTIVITY

| | |
|-----------------------------------|---|
| Stability and Reactivity Summary: | Product is not sensitive to mechanical shock or impact. Product is not sensitive to electrical static discharge. Product will not undergo hazardous polymerization. Product is an NFPA Class 1 oxidizer. Not pyrophoric. Not an organic peroxide. If subjected to excessive temperatures, the product may undergo rapid decomposition, evolution of chlorine gas, and heat sufficient to ignite combustible substances. If product is exposed to small amounts of water, it can react violently to produce heat and toxic gases and spatter. Use copious amounts of water for fires involving this product. |
| Conditions to Avoid: | Do not store next to heat source, in direct sunlight, or elevated storage temperature. Do not store where the daily average temperature exceeds 95 °F. Prevent ingress of humidity and moisture into container or package. Always close the lid. |
| Chemical Incompatibility: | This product is chemically reactive with many substances, including, e.g., other pool treatment products, acids, organics, nitrogen-containing compounds, dry powder fire extinguishers (containing mono-ammonium phosphate), oxidizers, corrosive, flammable or combustible materials. Do not allow product to contact any foreign matter, including other water treatment products. Contamination or improper use may cause a fire, explosion or the release of toxic gases. If product is exposed to small amounts of water, it can react violently to produce heat and toxic gases and spatter. |
| Hazardous Decomposition Products: | Chlorine |
| Decomposition Temperature: | 170 - 180 °C |

SECTION 11. TOXICOLOGICAL INFORMATION

Component Animal Toxicology

Oral LD50 value:

| | | | |
|----------------------|---------------------------------|-------------|-----|
| CALCIUM HYPOCHLORITE | LD50 (65% calcium hypochlorite) | 850 mg/kg | Rat |
| SODIUM CHLORIDE | LD50 = | 3,000 mg/kg | Rat |
| CALCIUM CHLORIDE | LD50 = | 1,000 mg/kg | Rat |
| CALCIUM HYDROXIDE | LD50 = | 7,340 mg/kg | Rat |

Component Animal Toxicology

Dermal LD50 value:

| | | | |
|----------------------|---------------------------------|---------------|--------|
| CALCIUM HYPOCHLORITE | LD50 (65% calcium hypochlorite) | > 2,000 mg/kg | Rabbit |
| SODIUM CHLORIDE | LD50 > | 10,000 mg/kg | Rabbit |
| CALCIUM CHLORIDE | LD50 = | 2,630 mg/kg | Rat |
| CALCIUM HYDROXIDE | No data | | |

Component Animal Toxicology

Inhalation LC50 value:

| | | |
|----------------------|---|-------------|
| CALCIUM HYPOCHLORITE | Inhalation LC50 1 h (65% calcium hypochlorite), (Nose Only) = | 2.04 mg/l |
| | Rat | |
| | Inhalation LC50 4 h (65% calcium hypochlorite), (Nose Only) = | 0.51 mg/l |
| | Rat | |
| SODIUM CHLORIDE | Inhalation LC50 1 h > | 42 mg/l Rat |
| CALCIUM CHLORIDE | No data | |
| CALCIUM HYDROXIDE | No data | |

Product Animal Toxicity

| | | | |
|-------------------------------|------------------------|---------------------------|--------|
| <u>Oral LD50 value:</u> | LD50 | Approximately 1,200 mg/kg | Rat |
| <u>Dermal LD50 value:</u> | LD50 | > 2,000 mg/kg | Rabbit |
| <u>Inhalation LC50 value:</u> | LC50 1 h (Nose Only) > | 2.04 mg/l | Rat |
| | LC50 4 h (Nose Only) > | 0.51 mg/l | Rat |

Skin Irritation: DRY MATERIAL CAUSES MODERATE SKIN IRRITATION., WET MATERIAL CAUSES SKIN BURNS.

Eye Irritation: Corrosive to eyes.

Skin Sensitization: This material is not known or reported to be a skin or respiratory sensitizer.

Acute Toxicity: This product is corrosive to all tissues contacted and upon inhalation, may cause

irritation to mucous membranes and respiratory tract. The dry material is irritating to the skin. However when wet, it will produce burns to the skin.

Subchronic / Chronic Toxicity: There are no known or reported effects from repeated exposure except those secondary to burns.

Reproductive and Developmental Toxicity: Calcium hypochlorite has been tested for teratogenicity in laboratory animals. Results of this study have shown that calcium hypochlorite is not a teratogen.

CALCIUM CHLORIDE

Not known or reported to cause reproductive or developmental toxicity.

Mutagenicity: Calcium hypochlorite has been tested in the Dominant lethal assay in male mice, and it did not induce a dominant lethal response. Calcium hypochlorite has been reported to produce mutagenic activity in two in vitro assays. It has, however, been shown to lack the capability to produce mutations in animals based on results from the micronucleus assay. In vitro assays frequently are inappropriate to judge the mutagenic potential of bactericidal chemicals due to a high degree of cellular toxicity. The concentration which produces mutations in these in vitro assays is significantly greater than the concentrations used for disinfection. Based on high cellular toxicity in in vitro assays and the lack of mutagenicity in animals, the risk of genetic damage to humans is judged not significant.

CALCIUM CHLORIDE

This product was determined to be non-mutagenic in the Ames assay. It was also shown to be non-clastogenic in the chromosomal aberration test.

Carcinogenicity: This product is not known or reported to be carcinogenic by any reference source including IARC, OSHA, NTP or EPA. One hundred mice were exposed dermally 3 times a week for 18 months to a solution of calcium hypochlorite. Histopathological examination failed to show an increased incidence of tumors. IARC (International Agency for Research on Cancer) reviewed studies conducted with several hypochlorite salts. IARC has classified hypochlorite salts as having inadequate evidence for carcinogenicity to humans and animals. IARC therefore considers hypochlorite salts to be not classifiable as to their carcinogenicity to humans (Group 3 Substance).

CALCIUM CHLORIDE

This chemical is not known or reported to be carcinogenic by any reference source including IARC, OSHA, NTP, or EPA.

SECTION 12. ECOLOGICAL INFORMATION

Overview: Highly toxic to fish and other aquatic organisms.

Ecological Toxicity Values - Product:

- | | |
|---|--|
| Bluegill | - (nominal, static). 96 h LC50 Approximately 0.12 mg/l Based on extrapolation from studies using calcium hypochlorite. |
| Rainbow trout (<i>Salmo gairdneri</i>), | - (nominal, static). 96 h LC50 Approximately 0.22 mg/l Based on extrapolation from studies using calcium hypochlorite. |

- Daphnia magna, - (nominal, static). 48 h LC50 Approximately 0.15 mg/l Based on extrapolation from studies using calcium hypochlorite.
- Bobwhite quail - LC50 > 7,000 ppm Based on extrapolation from studies using calcium hypochlorite.
- Mallard ducklings - LC50 > 7,000 ppm Based on extrapolation from studies using calcium hypochlorite.
- Bobwhite quail - LD50 Approximately 4,800 mg/kg Based on extrapolation from studies using calcium hypochlorite.

Ecological Toxicity Values for: CALCIUM HYPOCHLORITE

- Bluegill - (nominal, static). 96 h LC50 0.088 mg/l
- Rainbow trout (*Salmo gairdneri*), - (nominal, static). 96 h LC50 0.16 mg/l
- Daphnia magna, - (nominal, static). 48 h LC50 0.11 mg/l
- Bobwhite quail - Dietary LC50 > 5,000 ppm
- Mallard ducklings - Dietary LC50 > 5,000 ppm
- Bobwhite quail - Oral LD50 3,474 mg/kg

Ecological Toxicity Values for: CALCIUM CHLORIDE

- Bluegill - (nominal, static). 96 h LC50 = 10,650 mg/l
- Mosquito fish - (nominal, static). 96 h LC50 = 13,400 mg/l
- Pimephales promelas (fathead minnow) - (nominal, static). 96 h LC50 = 4,630 mg/l
- Daphnia magna, - (nominal, static). 48 h LC50= 2,770 mg/l
- Ceriodaphnia dubia - (nominal, static). 48 h LC50= 1,830 mg/l
- Nitzschia linearis (diatom) - (nominal, static). 5 day LC50 = 3,130 mg/l

SECTION 13. DISPOSAL CONSIDERATIONS

CARE MUST BE TAKEN TO PREVENT ENVIRONMENTAL CONTAMINATION FROM THE USE OF THE MATERIAL. THE USER OF THE 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.

Waste Disposal Summary : If this product becomes a waste, it DOES NOT meet the criteria of a hazardous waste as defined under 40 CFR 261, in that it does not exhibit the characteristics of hazardous waste of Subpart C, nor is it listed as a hazardous waste under Subpart D.

Disposal Methods : As a nonhazardous waste, it should be disposed of in accordance with local, state and federal regulations.

SECTION 14. TRANSPORT INFORMATION**DOT**

UN number : 3077
Description of the goods : Other regulated substances, solid, n.o.s.
(Calcium hypochlorite)
Class : 9
Packing group : III
Labels : 9
Emergency Response : 171
Guidebook Number

TDG

UN number : 3077
Description of the goods : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID,
N.O.S.
(Calcium hypochlorite)
Class : 9
Packing group : III
Labels : 9

IATA

UN number : 3077
Description of the goods : Environmentally hazardous substance, solid, n.o.s.
(Calcium hypochlorite)
Class : 9
Packing group : III
Labels : 9MI
Packing instruction (cargo aircraft) : 956
Packing instruction (passenger aircraft) : 956
Packing instruction (passenger aircraft) : Y956

IMDG-CODE

UN number : 3077
Description of the goods : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID,
N.O.S.
(Calcium hypochlorite)
Class : 9
Packing group : III
Labels : 9
EmS Number 1 : F-A
EmS Number 2 : S-F
Marine pollutant : yes

SECTION 15. REGULATORY INFORMATION

This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals.

Signal word : DANGER!
 Hazard statements : Harmful if swallowed.
 Harmful if absorbed through skin.
 Corrosive. Causes skin burns.
 Corrosive. Causes irreversible eye damage.
 This pesticide is toxic to fish.

EPCRA - Emergency Planning and Community Right-to-Know Act

CERCLA Reportable Quantity

| Components | CAS-No. | Component RQ (lbs) | Calculated product RQ (lbs) |
|----------------------|-----------|--------------------|-----------------------------|
| Calcium hypochlorite | 7778-54-3 | 10 | 18 |

SARA 302

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Clean Air Act

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM I Intermediate or Final VOC's (40 CFR 60.489).

Clean Water Act

The following Hazardous Substances are listed under the U.S. CleanWater Act, Section 311, Table 116.4A:

SAFETY DATA SHEET

| | | |
|----------------------|-----------|------|
| Calcium hypochlorite | 7778-54-3 | 55 % |
|----------------------|-----------|------|

The following Hazardous Chemicals are listed under the U.S. CleanWater Act, Section 311, Table 117.3:

| | | |
|----------------------|-----------|------|
| Calcium hypochlorite | 7778-54-3 | 55 % |
|----------------------|-----------|------|

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

US State Regulations**Massachusetts Right To Know**

| | | |
|----------------------|------------|--|
| Calcium hypochlorite | 7778-54-3 | |
| Calcium dihydroxide | 1305-62-0 | |
| Calcium carbonate | 471-34-1 | |
| Calcium chlorate | 10137-74-3 | |

Pennsylvania Right To Know

| | | |
|------------------------------------|------------|---------|
| Calcium hypochlorite | 7778-54-3 | |
| magnesium sulphate heptahydrate | 10034-99-8 | |
| Sodium chloride | 7647-14-5 | |
| Calcium dihydroxide | 1305-62-0 | |
| Calcium carbonate | 471-34-1 | |
| Calcium chlorate | 10137-74-3 | |
| Calcium chloride | 10043-52-4 | 1 - 5 % |

New Jersey Right To Know

| | | |
|------------------------------------|------------|--|
| Calcium hypochlorite | 7778-54-3 | |
| magnesium sulphate heptahydrate | 10034-99-8 | |
| Sodium chloride | 7647-14-5 | |
| Calcium dihydroxide | 1305-62-0 | |
| Calcium carbonate | 471-34-1 | |
| Calcium chlorate | 10137-74-3 | |

California Prop 65

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

The components of this product are reported in the following inventories:

TSCA : This is an EPA registered pesticide.

Inventories

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TSCA (USA)

SECTION 16. OTHER INFORMATION

Major References : Available upon request.

THIS MATERIAL SAFETY DATA SHEET (MSDS) HAS BEEN PREPARED IN COMPLIANCE WITH THE FEDERAL OSHA HAZARD COMMUNICATION STANDARD, 29 CFR 1910.1200. THE INFORMATION IN THIS MSDS SHOULD BE PROVIDED TO ALL WHO WILL USE, HANDLE, STORE, TRANSPORT, OR OTHERWISE BE EXPOSED TO THIS PRODUCT. THIS INFORMATION HAS BEEN PREPARED FOR THE GUIDANCE OF PLANT ENGINEERING, OPERATIONS AND MANAGEMENT AND FOR PERSONS WORKING WITH OR HANDLING THIS PRODUCT. ARCH CHEMICALS BELIEVES THIS INFORMATION TO BE RELIABLE AND UP TO DATE AS OF THE DATE OF PUBLICATION BUT, MAKES NO WARRANTY THAT IT IS. ADDITIONALLY, IF THIS MSDS IS MORE THAN THREE YEARS OLD, YOU SHOULD CONTACT ARCH CHEMICALS MSDS CONTROL AT THE PHONE NUMBER ON THE FRONT PAGE TO MAKE CERTAIN THAT THIS DOCUMENT IS CURRENT. .