

FOR ANY EMERGENCY, 24 HOURS / 7 DAYS, CALL:

FOR ALL TRANSPORTATION ACCIDENTS, CALL CHEMTREC®:

FOR ALL SDS QUESTIONS & REQUESTS, CALL:

1-800-654-6911 (OUTSIDE USA: 1-423-780-2970) 1-800-424-9300 (OUTSIDE USA: 1-703-527-3887) 1-800-511-MSDS (OUTSIDE USA: 1-423-780-2347)

PRODUCT NAME: Pulsar Infinity Tabs

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

| Arch Chemicals, Inc. | REVISION DATE: | 06/07/2017 |
|--|--|--|
| 1200 Bluegrass Lakes Parkway | SUPERCEDES: | 05/23/2017 |
| Alpharetta, GA 30004 United States of America (USA) | MSDS Number: SYNONYMS: CHEMICAL FAMILY: DESCRIPTION / USE FORMULA: | 000000032591 None Hypochlorite Water treatment chemical None established |

SECTION 2. HAZARDS IDENTIFICATION

| GHS Classification | | |
|---|---|------------------------------------|
| Oxidizing solids | : | Category 3 |
| Acute toxicity (Oral) | : | Category 4 |
| Acute toxicity (Inhalation) | : | Category 2 |
| Skin corrosion | : | Category 1B |
| Serious eye damage | : | Category 1 |
| Specific target organ toxicity - single exposure | : | Category 3 (Respiratory system) |
| GHS label elements | | |
| Hazard pictograms | : | |
| Signal word | : | Danger |
| Hazard statements | : | H272 May intensify fire; oxidizer. |
| Pulsar Infinity Tabs REVISION DATE: 06/07/2017 | | Page 1 of 13 |



Arch

Inc.

Chemicals,

H302 Harmful if swallowed. H314 Causes severe skin burns and eye damage. H318 Causes serious eye damage. H330 Fatal if inhaled. H335 May cause respiratory irritation. **Prevention:** P210 Keep away from heat. P220 Keep/Store away from clothing/ combustible materials. P221 Take any precaution to avoid mixing with combustibles. P260 Do not breathe 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/ protective clothing/ eye protection/ face protection. P284 Wear respiratory protection. **Response:** P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth. P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomitina. P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor. 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/doctor. P312 Call a POISON CENTER/doctor if you feel unwell. P363 Wash contaminated clothing before reuse. P370 + P378 In case of fire: Use water spray 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.

Precautionary statements

Other hazards

None known.



SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

| CAS OR CHEMICAL NAME Calcium hypochlorite | <u>CAS #</u> 7778-54-3 | <u>% RANGE</u> 62 - 75 |
|--|---------------------------|---------------------------|
| SODIUM CHLORIDE | 7647-14-5 | 0-3 |
| Chloric acid, calcium salt (2:1) | 10137-74-3 | 0-5 |
| Calcium chloride | 10043-52-4 | 0-5 |
| Calcium hydroxide | 1305-62-0 | 7 - 16 |
| Calcium carbonate | 471-34-1 | 0 - 4 |
| Aqua | 7732-18-5 | 8 - 15 |

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 is chemically reactive with many substances. Any contamination of the product with other substances by spill or otherwise may result in a chemical reaction and fire., This product a strong oxidizer which is capable of intensifying a fire once starte Product is not known to be flammable, combustible or pyrophoric. | |
|--|---|--|
| 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 repirator 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 product 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. |

| ÁRCH. | Arch Chemicals, Inc. | SAFETY DATA SHEET |
|---|--|---|
| Land Release: Additional Spill Information : | case of a spill, separate all spilled and other material. Using a clean product into plastic bags, and plac disposal container, properly mark containers made of plastic or met disposal containers tightly. Immed disposal containers to an isolated packaging material in a disposal of decontamination (i.e. removal of a all undamaged packaging in a clea and labeled. Call for disposal proof Hazardous concentrations in air n immediately downwind. Remove a of spill as soon as possible and no Dispose of spill residues per guide Consideration. This material may | aminated. Contaminated product hat may spontaneously ignite any ulting in a fire of great intensity. In product from packaging, debris broom or shovel, place all spilled ce those bags into a clean, dry ed and labeled. Disposal al are recommended. Do not seal diately remove all product in area outdoors. Place all damaged container of water to assure all product) before disposal. Place an, dry container properly marked cedures. hay be found in local spill area and all sources of ignition. Stop source otify appropriate personnel. elines under Section 13, Disposal be neutralized for disposal; you emicals at 1-800-654-6911 before DR ALL TRANSPORTATION : 1-800-424-9300 REPORTABLE |

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 of great intensity. |
|--|---|
| Do Not Store At temperatures Above: | 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. |

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 Ro | utine Use of Product |

| Respiratory Protection : | Wear a NIOSH approved respirator if levels above the exposure limits are possible. |
|---------------------------------|--|
| Respirator Type : | 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: | Neoprene, Nitrile, Natural rubber (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 hydroxide (1305-62-0) | TWA | 5 mg/m3 | ACGIH (02 2014) |

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

| | et |
|-----------------------|------|
| Form table | |
| Color: blue | |
| Odor: Chic | orir |
| Molecular Weight: 143 | 3 g |
| Relative density Not | ар |

Chlorine-like



| pH : Boiling Point: | 10.5 - 11.5 () (1% solution in neutral, distilled water), (@ 25 Deg. C) Not applicable |
|--|--|
| Freezing Point: Density Vapor Pressure: Vapor Density: Viscosity: Fat Solubility: Solubility in Water: | Not applicable 0.8 g/cm3 Not applicable Not applicable Not applicable no data available Approximately 18%, (@ 25 Deg. C), Product also contains calcium |
| Partition coefficient n- | hydroxide and calcium carbonate which will leave a residue. no data available |
| Evaporation Rate: Oxidizing: Volatiles, % by vol.: VOC Content | Not applicable Oxidizing Not applicable This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCMI 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 3 oxidizer which can cause a severe increase in fire intensity. 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. Product will not undergo hazardous polymerization. |
|-----------------------------------|--|
| Reactive Properties: | Product is not sensitive to mechanical shock or impact. Product is not sensitive to electrical static discharge. Not pyrophoric. Not an organic peroxide. |
| 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. Chlorine 170 - 180 $^\circ C$ - ~,~338 - 356 $^\circ F$ -

Hazardous Decomposition Products: Decomposition Temperature:

SECTION 11. TOXICOLOGICAL INFORMATION

| Component Animal Toxic Oral LD50 value: | cology | |
|--|--------|-----------------|
| Calcium hypochlorite | LD50 | 850 mg/kg Rat |
| SODIUM CHLORIDE | LD50 | 3,000 mg/kg Rat |
| | LD50 | 3,550 mg/kg Rat |
| Calcium chloride | LD50 | 2,301 mg/kg Rat |
| | LD50 | 1,000 mg/kg Rat |
| Calcium hydroxide | LD50 | 7,340 mg/kg Rat |
| | | |

Component Animal Toxicology

| Dermal LD50 value: | |
|--------------------|--|
| | |

| SODIUM CHLORIDE | LD50 | > 10,000 mg/kg Ra | bbit |
|------------------|------|-------------------|------|
| Calcium chloride | LD50 | > 5,000 mg/kg Rab | bit |
| | LD50 | 2,630 mg/kg Rat | |

Component Animal Toxicology Inhalation LC50 value:

| Product Animal | Toxicity |
|----------------|----------|
|----------------|----------|

| Oral LD50 value: Dermal LD50 value: Inhalation LC50 value: | LD50 Believed to be approximately 700 mg/kg Rat LD50 Believed to be > 2,000 mg/kg Rabbit LC50 1.00 h (Nose Only) Believed to be approximately 1.7 mg/l Rat LC50 4 h (Nose Only) Believed to be approximately 0.425 mg/l Rat LC50 4 h Believed to be approximately 0.425 mg/l Rat LC50 1 h Believed to be approximately 1.7 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. 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 | There are no known or reported effects from repeated exposure except those |
| Pulsar Infinity Tabs | |



| Toxicity: | 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. | | |
| 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. | | |
| 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). | | |

SECTION 12. ECOLOGICAL INFORMATION

Overview:

Highly toxic to fish and other aquatic organisms.

Ecological Toxicity Values for: Calcium hypochlorite

| Lepomis macrochirus (Bluegill sunfish) | - | 96 h LC50 0.057 mg/l |
|---|-------------|---|
| Daphnia magna (Water flea) Colinus virginianus (Bobwhite quail) Colinus virginianus (Bobwhite | - - - | 48 h EC50 0.067 mg/l Dietary LC50 > 5,000 ppm Oral LD50 3,474 mg/kg |
| quail) Mallard ducklings | - | Dietary LC50 > 5,000 ppm |

Ecological Toxicity Values for: SODIUM CHLORIDE

| Carassius auratus (goldfish) | - | Acute toxicity 10 d LC50 > 10,000 mg/l |
|------------------------------|---|--|
| Daphnia magna (Water flea) | - | Immobilization 48 h EC50> 100 mg/l |



Ecological Toxicity Values for: Calcium chloride

| Lepomis macrochirus (Bluegill sunfish) | - | Acute toxicity 96 h LC50 10,650 mg/l |
|---|---|---|
| Daphnia magna (Water flea) Daphnia magna (Water flea) Chlorella vulgaris (Fresh water algae) | - | 48 h EC50 2,400 mg/l 48 h EC50 144 mg/l Cell multiplication inhibition test 120 h EC10 140 mg/l |

Ecological Toxicity Values for: Calcium hydroxide Gambusia affinis (Mosquito fish) - Acute toxicity 96 h LC50 160 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 meets the criteria of a hazardous waste as defined under 40 CFR 261 and would have the following EPA hazardous waste number: D001.If this product becomes a waste, it will be a hazardous waste which is subject to the Land Disposal restrictions under 40 CFR 268 and must be managed accordingly.
 Disposal Methods : As a hazardous solid waste it should be disposed of in accordance with local, state and federal regulations.

SECTION 14. TRANSPORT INFORMATION

| UN number | : 2880 |
|--------------------------|---|
| Description of the goods | : Calcium hypochlorite, hydrated mixtures |
| Class | : 5.1 |
| Packing group | : 111 |
| Labels | : 5.1 |
| Emergency Response | : 140 |
| Guidebook Number | |
| | |



| UN number Description of the goods Class Packing group Labels | 2880 CALCIUM HYPOCHLORITE, HYDRATED MIXTURE 5.1 II 5.1 |
|--|---|
| IATA UN number Description of the goods Class Packing group Labels Packing instruction (cargo aircraft) Packing instruction (passenger aircraft) Packing instruction (passenger aircraft) | 2880 Calcium hypochlorite, hydrated mixture 5.1 III 5.1 563 559 Y546 |
| IMDG-CODE UN number Description of the goods Class Packing group Labels EmS Number 1 EmS Number 2 | 2880 CALCIUM HYPOCHLORITE, HYDRATED MIXTURE 5.1 III 5.1 F-H S-Q |
| Marine pollutant | : yes |

SECTION 15. REGULATORY INFORMATION

Arch

Inc.

Chemicals,

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 | : | None |
|-------------------|---|-----------|
| Hazard statements | : | None |
| EPA No. | : | 1258-1370 |

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 | |

SARA 304 Extremely Hazardous Substances Reportable Quantity



This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards

See above: SECTION 2. Hazard Identification-GHS Classification

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 112 (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 SOCMI Intermediate or Final VOC's (40 CFR 60.489).

Clean Water Act

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

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

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

| Components | CAS-No. | Concentration |
|----------------------|-----------|---------------|
| Calcium hypochlorite | 7778-54-3 | |

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

| Compon | ents | CAS-No. |
|---------|--------------|-----------|
| Calcium | hypochlorite | 7778-54-3 |



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

Pennsylvania Right To Know

| Components | CAS-No. |
|----------------------|------------|
| Calcium hypochlorite | 7778-54-3 |
| Calcium chlorate | 10137-74-3 |
| Calcium chloride | 10043-52-4 |
| Calcium dihydroxide | 1305-62-0 |
| Calcium carbonate | 471-34-1 |
| Sodium chloride | 7647-14-5 |

New Jersey Right To Know

| Components | CAS-No. |
|----------------------|------------|
| Calcium hypochlorite | 7778-54-3 |
| Calcium chlorate | 10137-74-3 |
| Calcium chloride | 10043-52-4 |
| Calcium dihydroxide | 1305-62-0 |
| Calcium carbonate | 471-34-1 |

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.

SECTION 16. OTHER INFORMATION

SECTIONS REVISED:

Arch is a wholly-owned subsidiary of Lonza and continues to operate as Arch Chemicals, Inc. Available upon request.

Major References :

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.