

SAFETY DATA SHEET

Date Prepared : 11/16/2015

SDS No. : Super Shock 73 4-Way

Super Shock 73 4-Way Sanitizer and Shock Treatment

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Super Shock 73 4-Way Sanitizer and Shock Treatment**GENERAL USE:** Swimming Pool Sanitizer and Shock Treatment**PRODUCT DESCRIPTION:** Swimming Pool Sanitizer and Shock Treatment**MANUFACTURER**

Lonza, Inc.
90 Boroline Road
Allendale, NJ 07401

DISTRIBUTOR

Sun Wholesale Supply, Inc.
(727) 531-8913
6385 150th Ave N.
Clearwater, FL 33760
Emergency Phone: (800) 255-3924

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS**Health:**

Acute Toxicity (Oral), Category 4
Skin Corrosion, Category 1B
Serious Eye Damage/Eye Irritation, Category 1
Acute Toxicity (Inhalation), Category 3
Target Organ Toxicity (Single exposure), Category 3

Physical:

Oxidizing Solids, Category 2

GHS LABEL**SIGNAL WORD:** DANGER**HAZARD STATEMENTS****PRECAUTIONARY STATEMENT(S)****Prevention:**

P210: Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
P220: Keep away from combustible materials.
P221: Take any precaution to avoid mixing with combustibles.
P260: Do not breathe dust/fume/gas/mist/vapours/spray.
P264 Wash hands 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.

Response:

P301+P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P301+P330+P331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340: IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310: Immediately call a POISON CENTER or doctor/physician.
P363: Wash contaminated clothing before reuse.

SAFETY DATA SHEET

Date Prepared : 11/16/2015

SDS No. : Super Shock 73 4-Way

Super Shock 73 4-Way Sanitizer and Shock Treatment

8863YQEV: In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide 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 in accordance with applicable local and federal regulations.

CARCINOGENICITY: Not known or reported to be carcinogenic by any reference source including IARC, OSHA, or NTP.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt. %	CAS
Calcium Hypochlorite	60 - 80	7778-54-3
Sodium Chloride	10 - 20	7647-14-5
Calcium Chlorate	0 - 5	10137-74-3
Calcium Chloride	0 - 5	10043-52-4
Calcium Hydroxide	0 - 4	1305-62-0
Calcium Carbonate	0 - 5	471-34-1
Water	7 - 16	7732-18-5

4. FIRST AID MEASURES

EYES: Hold eyes 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.

SKIN: Remove contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

INGESTION: Call 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 the poison control center or doctor. Do not give anything by mouth to an unconscious person.

INHALATION: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

NOTES TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

COMMENTS: 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.

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: 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 is a strong oxidizer which is capable of intensifying a fire once started. Product is not known to be flammable, combustible or pyrophoric.

EXTINGUISHING MEDIA: Water only. Do not use dry extinguishers containing ammonium compounds.

FIRE FIGHTING PROCEDURES: Use water to cool containers exposed to fire.

FIRE FIGHTING EQUIPMENT: Firefighters should wear positive-pressure, full face supplied air respirator or self contained breathing apparatus (SCBA), chemical resistant gloves, coveralls and boots, in addition to normal fire-fighting equipment.

SAFETY DATA SHEET

Date Prepared : 11/16/2015

SDS No. : Super Shock 73 4-Way

Super Shock 73 4-Way Sanitizer and Shock Treatment

6. ACCIDENTAL RELEASE MEASURES

GENERAL 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.

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 disposable 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.

Additional Spill Info: 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 as soon as possible and notify appropriate personnel. This material may be neutralized for disposal. Call 1-800-654-6911 before beginning such procedure.

SPECIAL PROTECTIVE EQUIPMENT: 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.

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 contaminate 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.

STORAGE TEMPERATURE: Do not store at temperatures above 95 degrees F. Storage above this temperature may result in rapid decomposition, evolution of chlorine gas and heat sufficient to ignite combustible products.

SHELF LIFE: Do not store product where the average daily temperature exceeds 95 degrees 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 products 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.

COMMENTS: 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.

Average daily temperature of 35 deg C / 95 deg F. Storage above this temperature may result in rapid decomposition, evolution of chlorine gas and heat sufficient to ignite combustible products.

SAFETY DATA SHEET

Date Prepared : 11/16/2015

SDS No. : Super Shock 73 4-Way

Super Shock 73 4-Way Sanitizer and Shock Treatment

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)							
		EXPOSURE LIMITS					
		OSHA PEL		ACGIH TLV		Supplier OEL	
Chemical Name		ppm	mg/m ³	ppm	mg/m ³	ppm	mg/m ³
Calcium Hypochlorite	TWA						1 mg/m ³
Calcium Chloride	TWA			10 mg/m ³ [1]	[1]	10 mg/m ³	
Calcium Hydroxide	TWA		15T 5R		5		
Footnotes: 1. For nuisance particulate (inhalable particulate)							

ENGINEERING CONTROLS: Use local exhaust ventilation or other engineering control when handling or using this product to keep airborne exposures below the TLV, PEL or other recommended exposure.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Chemical goggles.

SKIN: Impervious gloves. A full impervious suit is recommended if exposure is possible to a large portion of the body.

RESPIRATORY: 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 10 times the published limit.

PROTECTIVE CLOTHING: Nitrile, natural rubber or neoprene (this includes gloves, boots, apron, protective suit).

WORK HYGIENIC PRACTICES: Provide emergency eyewash stations and showers in work area.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Solid

ODOR: Chlorine-like.

APPEARANCE: White Flowing Powder

PHYSICAL STATE COMMENTS: Free flowing granular

pH: 10.4 - 10.8 (1% solution in neutral, distilled water) @25 Deg. C.

PERCENT VOLATILE: Not Applicable

FLASHPOINT AND METHOD: Not Applicable.

FLAMMABLE LIMITS: N/A to N/A

AUTOIGNITION TEMPERATURE: Not Applicable

VAPOR PRESSURE: Not Applicable

VAPOR DENSITY: Not Applicable

BOILING POINT: Not Applicable

FREEZING POINT: Not Applicable

SOLUBILITY IN WATER: 18% @ 25 deg C (also contains calcium hydroxide and calcium carbonate which will leave a residue)

EVAPORATION RATE: Not Applicable

SAFETY DATA SHEET

Date Prepared : 11/16/2015

SDS No. : Super Shock 73 4-Way

Super Shock 73 4-Way Sanitizer and Shock Treatment

DENSITY: 0.8 g/cc**VISCOSITY:** Not Applicable**(VOC):** Not Applicable.**OXIDIZING PROPERTIES:** Oxidizer

10. STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION: No

STABILITY: Product is not sensitive to mechanical shock or impact. 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 product is subjected to excessive temperatures, it 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 deg. F. Prevent ingress of humidity and moisture into container or package. Always close the lid.

HAZARDOUS DECOMPOSITION PRODUCTS: Chlorine.

INCOMPATIBLE MATERIALS: Chemically reactive with 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.

COMMENTS: Decomp Temperature: 170-180 deg C (338-356 deg F).

11. TOXICOLOGICAL INFORMATION

ACUTE

DERMAL LD₅₀: > 2000 mg/kg (rabbit)

ORAL LD₅₀: ~ 850 mg/kg (rat)

INHALATION LC₅₀: > 2.04 mg/l (1 hour) (rat)

NOTES: This product is corrosive to all tissues contacted and upon inhalation, may cause irritatio to mucous membranes and respiratory tract. The dry material is irritating to the skin. However when wet, it will produce burns to the skin.

EYE EFFECTS: Corrosive to eyes.

SKIN EFFECTS: DRY MATERIAL CAUSES MODERATE SKIN IRRITATION. WET MATERIAL CAUSES SKIN BURNS.

CHRONIC: There are no known or reported effects from repeated exposure except those secondary to burns.

SUBCHRONIC: There are no known or reported effects from repeated exposure except those secondary to burns.

CARCINOGENICITY

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

REPRODUCTIVE EFFECTS: 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 invitro 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 invitro assays and the lack of mutagenicity in animals, the risk of genetic damage to humans is judged not significant.

SAFETY DATA SHEET

Date Prepared : 11/16/2015

SDS No. : Super Shock 73 4-Way

Super Shock 73 4-Way Sanitizer and Shock Treatment

12. ECOLOGICAL INFORMATION

Notes: Bluegill (Nominal, Static) 96 Hour LC50 - 0.88 mg/l
 Rainbow Trout (Nominal, Static) 96 Hour LC50 - 0.16 mg/l
 Daphnia Magna (Nominal, Static) 48 Hour LC50 - 0.11 mg/l
 Bobwhite Quail Dietary LC50 > 5,000 ppm
 Mallard Duckling Dietary LC50 > 5,000 ppm
 Bobwhite Quail Oral LD50 - 3,474 mg/kg

Based on extrapolation from studies using calcium hypochlorite.

COMMENTS: Highly toxic to fish and other aquatic organisms.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose of in accordance with applicable local, state, and federal regulations.

RCRA HAZARD CLASS: 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 number: **D001** and is subject to the Land Disposal restrictions under 40 CFR 268.

COMMENTS: CARE MUST BE TAKEN TO PREVENT ENVIRONMENTAL COTAMINATION FROM THE USE OF THE MATERIAL.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Calcium Hypochlorite, Hydrated Mixtures

PRIMARY HAZARD CLASS/DIVISION: 5.1

UN/NA NUMBER: UN2880

PACKING GROUP: II

NAERG: 140

REPORTABLE QUANTITY (RQ) UNDER CERCLA: 10 lbs, (calculated to 14 lbs for this product)

MARINE POLLUTANT #1: Yes

15. REGULATORY INFORMATION

UNITED STATES

DOT LABEL SYMBOL AND HAZARD CLASSIFICATION



Oxidizing

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

313 REPORTABLE INGREDIENTS: No ingredients listed at or above the de minimus level.

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

SAFETY DATA SHEET

Date Prepared : 11/16/2015

SDS No. : Super Shock 73 4-Way

Super Shock 73 4-Way Sanitizer and Shock Treatment

Chemical Name	Wt. %	CERCLA RQ
Calcium Hypochlorite	60 - 80	10

CERCLA RQ: Calcium Hypochlorite CAS #7778-54-3

REPORTABLE SPILL QUANTITY: 10 lbs

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA REGULATORY: This is an EPA registered product.

REGULATIONS

STATE REGULATIONS: New Jersey Right to Know Hazardous Substance List

Calcium Chlorate CAS#10137-74-3

Calcium Dihydroxide CAS#1305-62-0

Calcium Hypochlorite CAS#7778-54-3

Magnesium Sulfate Heptahydrate CAS# 10034-99-8

Sodium Chloride CAS #7647-14-5

Calcium Carbonate CAS # 471-34-1

Massachusetts Right to Know List of Chemicals and Hazard Classifications

Calcium Chlorate CAS#10137-74-3

Calcium Dihydroxide CAS#1305-62-0

Calcium Hypochlorite CAS#7778-54-3

Calcium Carbonate CAS # 471-34-1

Pennsylvania Hazardous Substance List

Calcium Chlorate CAS#10137-74-3

Calcium Dihydroxide CAS#1305-62-0

Calcium Hypochlorite (Hypochlorous Acid, Calcium Salt) CAS#7778-54-3

Calcium Chloride, CAS #10043-52-4

Magnesium Sulfate Heptahydrate CAS# 10034-99-8

Calcium Carbonate CAS # 471-34-1

Sodium Chloride CAS #7647-14-5

SAFETY DATA SHEET

Date Prepared : 11/16/2015

SDS No. : Super Shock 73 4-Way

Super Shock 73 4-Way Sanitizer and Shock Treatment

FIFRA (FEDERAL INSECTICIDE, FUNGICIDE, AND RODENTICIDE ACT): This chemical is a pesticide product registered by the 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, and for workplace labels of non-pesticide chemicals. Below you will find the hazard information that is required on the EPA pesticide label.

GENERAL COMMENTS: HAZARD INFO FOUND ON THIS PRODUCT'S EPA LABEL, EPS REG. NO. 1258-1239-**:**

SIGNAL WORD: DANGER.

HAZARD STATEMENTS:

Causes substantial but temporary eye injury.

Corrosive. Causes skin burns.

Corrosive. Causes irreversible eye damage.

This pesticide is toxic to fish.

16. OTHER INFORMATION

Date Prepared: 11/16/2015

NFPA STORAGE CLASSIFICATION: Meets the criteria of an NFPA Class 1 Oxidizer

MANUFACTURER DISCLAIMER: Although reasonable care has been taken in the preparation of this document, we extend no warranties and make no representations as to the accuracy or completeness of the information contained therein, and assume no responsibility regarding the suitability of this information for the user's intended purposes or for the consequences of its use. Each individual should make a determination as to the suitability of the information for their particular purpose(s).