

SAFETY DATA SHEET

Date Issued : 11/07/2018

SDS No. : LH Spa Cartridge Cleanse

Spa Cartridge Cleanse

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Spa Cartridge Cleanse**PRODUCT DESCRIPTION:** Alkaline Chelating Cleaner**DISTRIBUTOR**

Litehouse Pools & Spas

10883 Pearl Road, Suite 201

Strongsville, OH 44136

Product Stewardship: (440) 638-2350

2. HAZARDS IDENTIFICATION

GHS LABEL

This product is not classified as hazardous according to the Globally Harmonized System (GHS)

EMERGENCY OVERVIEW**PHYSICAL APPEARANCE:** This product is a bluish color liquid.**IMMEDIATE CONCERNS:** May cause irritation to eyes and skin. May cause nausea and headache if ingested.**ROUTES OF ENTRY:** Eyes, Skin, Inhalation, Ingestion**COMMENTS HEALTH:** This substance can be toxic to mucous membranes, skin and eyes. Repeated skin exposure can produce local skin irritation, or dermatitis. Repeated inhalation of vapor/mist can produce varying degree of respiratory irritation or lung damage.**COMMENTS:** Acute Health Hazards: Hazardous - Irritant to eyes and skin. May be corrosive to eyes and skin depending upon length of contact time. Extended eye contact can result in corneal damage or blindness. Extended skin contact can produce minor inflammation and blistering. Inhalation of mist can produce irritation to gastrointestinal or respiratory tract. characterized by slight burning, sneezing and coughing. Inflammation of the eye is characterized by redness, watering, and itching. Skin inflammation is characterized by Itching, scaling, reddening, or, occasionally, blistering.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Sodium Metasilicate Nonahydrate	< 10	13517-24-3
EthylenediaminetetraAcetic Acid, Tetrasodium Salt	< 10	64-02-8
Diphosphoric Acid, Tetrapotassium Salt	< 10	7320-34-5
Proprietary Inert	> 70	

COMMENTS: Common name: Disodium Trioxosilicate, Sodium Silicate

4. FIRST AID MEASURES

EYES: Check for and remove contact lenses. Immediately flush eyes with plenty of water for 15 at least minutes. Cold water may be used. Get medical attention immediately.**SKIN:** Immediately flush skin with plenty of water for at least 15 minutes, while removing contaminated clothing and shoes. Cover the irritated skin with an emollient. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. If irritation persists, seek medical attention.**INGESTION:** Do not induce vomiting unless directed to do so by medical professional. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt, or waistband.**INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.**NOTES TO PHYSICIAN:** No further information available.

SAFETY DATA SHEET

Date Issued : 11/07/2018
SDS No. : LH Spa Cartridge Cleanse

Spa Cartridge Cleanse

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: Nonflammable

EXTINGUISHING MEDIA: Dry chemical, CO₂, or water spray.

HAZARDOUS COMBUSTION PRODUCTS: None known.

FIRE FIGHTING EQUIPMENT: Firefighters should wear self-contained, full-face breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Small spills can be mopped up. Flush contaminated area with water. Dispose of in accordance with all federal, state, and local regulations.

LARGE SPILL: Contain large spills and pump to recover.

ENVIRONMENTAL PRECAUTIONS

LAND SPILL: Prevent spreading concentrate solution over a wide area (e.g. by containment or oil barriers). Do not let product enter drains. Do not flush into surface water or sanitary sewer system.

GENERAL PROCEDURES: Comply with all applicable federal, state, and local regulations for clean-up and disposal methods.

COMMENTS: Keep in suitable, closed containers for disposal. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust, clay bases granular.)

7. HANDLING AND STORAGE

HANDLING: Containers of this product may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid and/or solid), all hazard precautions given in this data sheet must be observed.

STORAGE: Store in a cool, dry, well-ventilated area. Keep from freezing or extreme heat (over 95 degrees F).

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)				
	EXPOSURE LIMITS			
Chemical Name	Type		ppm	mg/m³
Sodium Metasilicate Nonahydrate	Supplier OEL	TWA	NL [1]	[1]
		STEL	NL	
Diphosphoric Acid, Tetrapotassium Salt	OSHA PEL	TWA	[1]	[1]
	Supplier OEL	TWA	NL	NL
		STEL	NL	NL
Footnotes:				
1. NL = Not Listed				

ENGINEERING CONTROLS: Always use this material in a well-ventilated area.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Wear chemical splash goggles or face shield when there is a potential for exposure to the eyes or face. Maintain eyewash station in immediate work area.

RESPIRATORY: A NIOSH-approved air purifying respirator with an appropriate cartridge or filter may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits (if applicable) or if overexposure has already been determined. Protection provided by air purifying respirators is limited. Use a positive pressure air-supplied respirator if there is any potential of an uncontrolled release, if exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.

PROTECTIVE CLOTHING: Wear appropriate chemical impervious clothing and boots whenever there is potential for skin contact with

SAFETY DATA SHEET

Date Issued : 11/07/2018

SDS No. : LH Spa Cartridge Cleanse

Spa Cartridge Cleanse

product. Launder clothing before reuse. Maintain safety shower at all locations where skin contact is imminent. Contact your local safety equipment supplier to assist the facility in determining the proper selection of personal protective equipment for the applications at your facility. Wear resistant gloves. Discard gloves that show tears, pinholes, or signs of wear. Aprons are to be worn if material is likely to splash, spill or produce a mist, vapor or spray.

WORK HYGIENIC PRACTICES: Wash hands often and whenever you have completed handling this material before you handle other items including your eyes, mouth, etc.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Mild.

COLOR: Bluish

pH: 10.9 to 14.9

PERCENT VOLATILE: By Weight >1%; By Volume @ 20 C

VAPOR PRESSURE: 2.3 at 20°C

VAPOR DENSITY: 0.62

Notes: at 20 degrees C

BOILING POINT: > 100°C (112°F)

FREEZING POINT: 0°C (32°F)

SOLUBILITY IN WATER: Easily soluble in cool water, hot water. Soluble in dilute material.

DENSITY: 0.96 - 0.98

SPECIFIC GRAVITY: 1.066 at 20°C

MOLECULAR WEIGHT: 19.22 g/mole

10. STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION: Will not occur.

STABILITY: Stable.

CONDITIONS TO AVOID: Excessive heat or freezing

HAZARDOUS DECOMPOSITION PRODUCTS: Ammonia, nitrogen oxides (NOX), hydrogen, cyanide, hydrocarbons.

INCOMPATIBLE MATERIALS: Acids, aluminum, copper, copper alloys, halogenated hydrocarbons, metals, nickel, organic nitro compounds, oxidizing agents, reactive metals (such as aluminum and magnesium), steel, strong bases, zinc.

11. TOXICOLOGICAL INFORMATION

COMMENTS: None available.

12. ECOLOGICAL INFORMATION

AQUATIC TOXICITY (ACUTE)

Notes: TOXICITY TO FISH:

Component: EthylenediaminetetraAcetic Acid, Tetrasodium Salt: 96h LC50; 472-500 mg/l (Bluegill) Static: Mortality

TOXICITY TO DAPHNIA AND OTHER AQUATIC INVERTEBRATES:

Component: EthylenediaminetetraAcetic Acid, Tetrasodium Salt: 24 h EC Water Flea (Daphnia magna): 570-640 mg/l Mortality

13. DISPOSAL CONSIDERATIONS

SAFETY DATA SHEET

Date Issued : 11/07/2018
SDS No. : LH Spa Cartridge Cleanse

Spa Cartridge Cleanse

DISPOSAL METHOD: Dispose in accordance with all applicable regulations.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Corrosive Liquid, Basic, Organic, N.O.S. (Sodium Metasilicate solution)

PRIMARY HAZARD CLASS/DIVISION: 8

UN/NA NUMBER: UN3267

PACKING GROUP: III

OTHER SHIPPING INFORMATION: Quantity Limits: Passenger Aircraft/Rail = 0.5L; Cargo Aircraft only = 2.5L

Vessel Storage: Stow clear of living quarters and separate from acids.

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HAZARD CATEGORIES: Not regulated.

313 REPORTABLE INGREDIENTS: Not regulated.

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA REGULATORY: Not regulated.

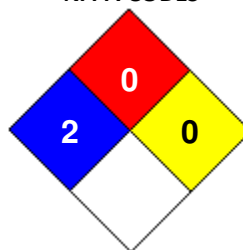
REGULATIONS

STATE REGULATIONS: Not regulated.

16. OTHER INFORMATION

Date Prepared: 11/07/2018

NFPA CODES



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