

Product name Clear Spa¹⁰⁴ Spa Solutions Spa Start Chlorine
Kit Part # SPASTARTCH

Revision date 1-12-17

ATTACHED –

SPASTARTCH

Kit Component SDS's – Qty 4

1. Clear Spa Chlor Granule
2. Clear Spa Metal Guard
3. Clear Spa Crystal Brite
4. Clear Spa No Foam

DATE OF PREPARATION

1-12-2017

THE INFORMATION SUPPLIED ABOVE IS PRESENTED IN GOOD FAITH AND HAS BEEN DERIVED FROM SOURCES BELIEVED TO BE RELIABLE, HOWEVER, NO WARRANTY EXPRESSED OR IMPLIED IS EXTENDED REGARDING ITS ACCURACY OR THE RESULTS TO BE OBTAINED FROM ITS USE SINCE CONDITIONS OF USE ARE BEYOND OUR CONTROL. ALL RISKS ARE ASSUMED BY THE USER.

Product name Clear Spa¹⁰⁴ Spa Solutions Chlorinating Granules**Revision date** 5-15-15**Section 1 Identification**

Product ID: Chlorinating Granules

Chemical Name: Sodium dichloroisocyanurate dehydrate

Synonyms: Sodium dichlor;; Sodium dichloroisocyanurate dihydrate;
Sodium Dichloro-S-Triazinetrione Dihydrate; Troclosene sodium

Chemical Formula: NaCl₂(NCO)₃x2H₂O

CAS Number: 51580-86-0

Product Use: Disinfectant, sanitizer, algaecide for pool/spas

Supplier: Oreq Corporation
42306 Remington Avenue
Temecula, CA 92590
951-296-5076

Emergency Phone# Chemtrec: 1-800-424-9300

Section 2 Hazards identification

GHS CLASSIFICATION: Acute Tox. 4, H302 Harmful if swallowed
Eye Irrit. 2, H319 Causes serious eye irritation
STOT SE 3, H335 May cause respiratory irritation
Aquatic Acute 1, H400 - Very toxic to aquatic life
Aquatic Chronic 1, H410 - Very toxic to aquatic life with long lasting effects

GHS SIGNAL WORD: WARNING

HAZARD PICTOGRAMS:



Hazard Statement(s)

H302 - Harmful if swallowed
H319 - Causes serious eye irritation
H335 - May cause respiratory irritation
H410 - Very toxic to aquatic life with long lasting effects
EUH031 - Contact with acids liberates toxic gas

Precautionary Statement(s)

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray
P280 - Wear protective gloves/protective clothing/eye protection/face protection
P304 + P340 - IF INHALED: Remove person to fresh air and keep 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

NFPA Ratings (Scale 0-4) Health = 2, Fire = 0, Reactivity = 1.
Special Hazard Warning: OXIDIZER

Product name **Clear Spa¹⁰⁴ Spa Solutions Chlorinating Granules**

Revision date **5-15-15**

Section 3 Composition / Information on ingredients

Components	Weight %	Index No.	EC No.	EU Classification
SODIUM DICHOROISO CYANURATE, DIHYDRATE 51580-86-0	99-100	#613-030-01-7	220-767-7	Acute Tox. 4 H302 Eye Irrit. 2 H319 STOT SE 3 H335 Aquatic Acute 1 H400 Aquatic Chronic 1 H410 EUH031 (In Accordance with CLP1272/2008) ----- R31 Xi; R36/37 Xn; R22 N; R50/53 (in accordance with DSD67/548/EEC)
SODIUM CHLORIDE 7647-14-5	0-1		231-593-8	None

Section 4 First - aid measures

- Eye contact** Holding the eyelids apart, flush eyes promptly with copious flowing water for at least 20 minutes. Get medical attention immediately.
- Skin contact** 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. Get medical attention immediately.
- Inhalation** In case of inhalation, remove person to fresh air. Keep him quiet and warm. Apply artificial respiration if necessary and get medical attention immediately.
- Ingestion** If swallowed, wash mouth thoroughly with plenty of water. Get medical attention immediately.

NOTE: Never give an unconscious person anything to drink

Most important symptoms and effects, acute or delayed

- **Ocular** Severe irritation and/or burns can occur following eye exposure. Contact may cause impairment of vision and corneal damage.
- **Dermal** Dermal exposure can cause severe irritation and/or burns characterized by redness, swelling and scab formation. Prolonged skin exposure may cause permanent damage.
- **Inhalation** Irritating to the nose, mouth, throat and lungs. It may also cause burns to the respiratory tract with the production of lung edema that can result in shortness of breath, wheezing, choking, chest pain, and impairment of lung function. Inhalation of high concentrations can result in permanent lung damage from the corrosive action to the lung.
- **Ingestion** Irritation and/or burns can occur to the entire gastrointestinal tract, including the stomach and intestines, characterized by nausea, vomiting, diarrhea, abdominal pain, bleeding and/or tissue ulceration. Ingestion causes severe damage to the gastrointestinal tract with the potential to cause perforation.

Notes to the physician No specific antidote.
Treat symptomatically and supportively.
In case of ingestion DO NOT induce vomiting.
Probable mucosal damage may contraindicate the use of gastric lavage.

Medical conditions aggravated by exposure Asthma, respiratory and cardiovascular disease.

Product name Clear Spa¹⁰⁴ Spa Solutions Chlorinating Granules

Revision date 5-15-15

Section 5 Fire - fighting measures

Suitable Extinguishing Media: Water

Extinguishing Media Not To Be Used: Do not use dry chemical extinguisher containing ammonia compounds.

Unusual Fire and Explosion Hazards: When heated to decomposition, may release poisonous and corrosive fumes of nitrogen trichloride, chlorine and CO.

Fire Fighting Procedure: Cool containers with water spray. Fire fighters should wear full protective clothing and self-contained breathing apparatus (SCBA) in positive pressure mode. On small fires, use water spray or fog. On large fires, use heavy deluge or fog streams. Flooding amounts of water may be required before extinguishment can be accomplished.

Section 6 Accidental release measures

Personal precautions For small spills in a well-ventilated areas, wear a NIOSH approved half-face or full face tight fitting respirator or a loose fitting powered air purifying respirator equipped with chlorine cartridges. Chemical goggles should be worn when using a half-face respirator. In addition to respiratory protection, wear coveralls, chemical resistant gloves, chemical resistant footwear; and chemical resistant headgear for overhead exposure. For clean-up of large spills, or small dry spills in confined areas, wear full-face respirator with chlorine cartridges or a positive pressure supplied air respirator. Additionally, body protection should be impervious clothing covering entire body to prevent personal contact with material. CAUTION - Protection concerns must also address the following: If this material becomes damp/wet or contaminated in a container, the formation of nitrogen trichloride gas may occur and an explosive condition may exist.

Methods for cleaning up Hazardous concentrations in air may be found in local spill area and immediately downwind. If spill material is still dry, do not put water directly on this product as a gas evolution may occur.

Environmental precautions

- **Soil** Do not contaminate spill material with any organic materials, ammonia, ammonium salts or urea. Clean up all spill material with clean, dry dedicated equipment and place in a clean dry container.

- **Water** This material is heavier than and soluble in water. Stop flow of material into water as soon as possible. Begin monitoring for available chlorine and pH immediately.

- **Air** Vapors may be suppressed by the use of water fog.

Section 7 Handling and storage

Handling Do not take internally. Avoid contact with skin, eyes, and clothing. Upon contact with skin or eyes, wash off with water.

Storage Store in a dry, cool, well-ventilated area. away from incompatible materials (see "materials to avoid"). Do not store at temperatures above 60°C/140°F. Product has an indefinite shelf-life limitation.

Product name Clear Spa¹⁰⁴ Spa Solutions Chlorinating Granules

Revision date 5-15-15

Section 8 Exposure controls / personal protection

Exposure Limits:

COMPONENTS	ACGIH-TLV Data	OSHA (PEL) Data
SODIUM DICHLOROISO CYANURATE, DIHYDRATE 51580-86-0	Not determined	Not determined
SODIUM CHLORIDE 7647-14-5	Not determined	Not determined

Ventilation requirements Use local exhaust ventilation to minimize dust and chlorine levels where industrial use occurs. Otherwise, ensure good general ventilation.

Personal protective equipment:

- **Respiratory protection** When dusty conditions are encountered, wear a NIOSH/OSHA full-face respirator with chlorine cartridges for protection against chlorine gas and dust/mist pre-filter.

- **Hand protection** Neoprene gloves (0.67 mm)

- **Eye protection** Use chemical safety glasses to avoid eye contact. Where industrial use occurs, chemical goggles may be required.

- **Skin and body protection** Impervious body covering clothes, boots and neoprene apron.

Hygiene measures Do not eat, smoke or drink where material is handled, processed or stored. Wash hands thoroughly after handling and before eating or smoking. Safety shower and eye bath should be provided.

Section 9 Physical and chemical properties

Appearance White granules or tablet-form product
Odor Mild chlorine-like
Odor threshold Not determined
pH Not determined
Melting point/range Not applicable
Boiling point/range Not applicable
Flash point Not applicable
Evaporation rate (ether=1) Not applicable under standard conditions
Flammability (solid, gas) Not determined
Flammable/Explosion limits Not determined
Vapor pressure Not applicable under standard conditions
Vapor density Not applicable under standard conditions
Relative density tap density= 0.974 g/mL
pour density= 1.083 g/mL

Solubility:
- **Solubility in water** 24-25 g/100g
Partition coefficient (n-octanol/water) LogP - -0.0056 (estimated)
Auto-ignition temperature Not self-ignitable
Decomposition temperature Begins to lose 1 mole water at approximately 50°C; second mole water at 95°C; Decomposes at 240-250°C

Viscosity Not applicable
Explosive properties Not determined
Oxidising properties Not oxidizing
Particle size Non- inhalable

Product name Clear Spa¹⁰⁴ Spa Solutions Chlorinating Granules
Revision date 5-15-15

Section 10 Stability and reactivity

Reactivity Begins to lose one mole of water at approximately 50°C

Stability Stable under normal conditions

Possibility of hazardous reactions If this material becomes damp/wet or contaminated in a container, the formation of nitrogen trichloride gas may occur and an explosive condition may exist.

Conditions to avoid Heating above decomposition temperature
Do not package in paper or cardboard.

Materials to avoid Organic materials, reducing agents, nitrogen containing materials, other oxidizers, acids, bases, oils, grease, sawdust, dry fire extinguishers containing monoammonium compounds.

Hazardous decomposition products Nitrogen trichloride, chlorine, carbon monoxide

Section 11 Toxicological information

Acute toxicity:

- Rat oral LD50 1671 mg/kg

- Rat dermal LD50 >5000 mg/kg

- Dermal irritation (rabbit) Severe irritant

- Eye irritation (rabbit) Severe irritant

Dermal sensitization Not a sensitizer.

Immediately Dangerous to Life or Health (IDLH) No level has been established for the components or the product itself.

Effects of overexposure : Chronic toxicity Chronic inhalation exposure may cause impairment of lung function and permanent lung damage.

Mutagenicity Not mutagenic in five Salmonella strains with or without metabolic activation.

Carcinogenicity Not classified by IARC, OSHA, EPA.
Not included in NTP 12th Report on Carcinogens

Reproductive toxicity Sodium dichloroisocyanuric acid when given orally to pregnant mice from day 6 to day 15 of gestation, did not induce any significant teratogenic effects.

Section 12 Ecological information

Aquatic toxicity :

- 96 Hour-LC50, Fish 0.22 mg/l (rainbow trout)
0.28 mg/l (bluegill sunfish)

- 48 hour-LC50, Daphnia magna 0.2 mg/l

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Revision date 5-15-15

Section 12 Ecological information (continued)

Avian toxicity:

- Oral LD50, Bobwhite quail	730 mg/kg
- Oral LD50, Mallard duck	3300 mg/kg
- Dietary LC50, Mallard duck	>10,000 ppm
- Dietary LC50, Bobwhite quail	>10,000 ppm

Persistence and degradability Not readily biodegradable. Rapidly hydrolyses in water into Cyanuric acid

Bioaccumulative potential Not expected to bioaccumulate

Mobility in soil The degradation product, Cyanuric acid, is weakly adsorbed to and highly mobile in all soils

Section 13 Disposal considerations

Waste disposal Care must be taken to prevent environmental contamination from the use of this material. Dispose of in a safe manner in accordance with local/national regulations.

Disposal of Packaging Empty containers should be disposed of in accordance with all applicable laws and regulations.

Section 14 Transport information

DOT Non-Bulk Packaging: Not Regulated under DOT unless transported by Vessel
Bulk Packaging or Shipment by Vessel: Regulated
UN No. UN3077
PROPER SHIPPING NAME: Environmentally Hazardous Substance, Solid, n.o.s.
(Sodium dichloroisocyanurate dihydrate)
Class: 9 - Miscellaneous Hazardous Material
Label: 9
Marking: Marine Pollutant
Packing Group: III

Note: Certain shipping modes or package sizes may have exceptions from the transport regulations and may be classified as Consumer Commodity and Limited Quantity. The classification provided may not reflect those exceptions and may not apply to all shipping modes or package sizes.

IMDG UN No. 3077
Proper shipping name: Environmentally hazardous substance, solid, n.o.s.
(Sodium Dichloroisocyanurate, dihydrate)
Class: 9 - Miscellaneous Dangerous Substances and Articles
Label: 9
Mark: MARINE POLLUTANT
Packing Group: III

ADR/RID UN No. 3077
Proper shipping name: Environmentally hazardous substance, solid, n.o.s.
(Sodium Dichloroisocyanurate, dihydrate)
Class: 9 - Miscellaneous Dangerous Substances and Articles
Classification Code: M7
Hazard identification No: 90
Packing group: III
Marking: Environmentally hazardous substance

Product name Clear Spa¹⁰⁴ Spa Solutions Chlorinating Granules

Revision date 5-15-15

Section 14 Transport information (Continued)

ICAO/IATA UN No. 3077
Proper shipping name: Environmentally hazardous substance, solid, n.o.s (Sodium Dichloroisocyanurate, dihydrate)
Class: 9
Hazard label(s): Miscellaneous
Packing group: III
Marking: Environmentally hazardous substance

Section 15 Regulatory information

EU Reported in EINECS

- Indication of danger Harmful, symbol required (Xn)
Dangerous for the environment, symbol required (N)

- R Phrases R 22: Harmful if swallowed.
R 31: Contact with acids liberates toxic gas.
Xi; R 36/37: Irritating to eyes and respiratory system.
R 50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

- S Phrases S 8: Keep container dry.
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S 41 :In case of fire and/or explosion do not breathe fumes.
S60: This material and its container must be disposed of as hazardous waste.
S61: Avoid release to the environment. Refer to special instructions/Safety data sheets.

USA All the components of this substance are listed on or are exempt from the inventory

OSHA REGULATORY STATUS: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

FIFRA REGULATIONS: Registered pesticide under 40 CFR 152.10, Federal Insecticide, Fungicide and Rodenticide Act (FIFRA).

Australia Listed in AICS

China
- China inventory Listed
Japan ENCS no. (5)-1043
ISHL no. (5)-1043

New Zealand Inventory Listed in NZIoC

Philippines Listed in PICCS

Section 16 Other information

DATE OF PREPARATION

5-15-2015

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Product name Clear Spa¹⁰⁴ Spa Solutions Metal Guard**Revision date** 5-16-15**Section 1 Identification****Product ID:** Metal Guard**Chemical Name:** (1-Hydroxyethylidene)diphosphonic acid**Synonyms:** Etidronic Acid; 1-Hydroxyethylidene-1,1-diphosphonic acid; HEDP**Chemical Formula:** C₂H₈O₇P₂**CAS Number:** 2809-21-4**Product Use:** Surface and Equipment Protectant**Supplier:** Oreq Corporation
42306 Remington Avenue
Temecula, CA 92590
951-296-5076**Emergency Phone#** Chemtrec: 1-800-424-9300**Section 2 Hazards identification****EMERGENCY OVERVIEW
DANGER****Hazard Statement(s)**Corrosive to metals (Category 1)
Serious eye damage (Category 1)H290: May be corrosive to metals.
H303: May be harmful if swallowed.
H318: Causes serious eye damage.
H410: Very toxic to aquatic life with long lasting effects.**Precautionary Statement(s)**P273: Avoid release to the environment.
P280: Wear protective gloves/eye protection/face protection.
P234: Keep only in original container.
P305+351+338: 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.
P406: Store in corrosive resistant stainless steel container with a resistant inner liner.
P501: Dispose of contents/container to an approved waste disposal plant.**HMIS CLASSIFICATION**Health Hazard 2
Flammability 0
Physical Hazards 0**NFPA RATING**Health Hazard 2
Fire 0
Reactivity Hazard 0

Product name Clear Spa¹⁰⁴ Spa Solutions Metal Guard**Revision date** 5-16-15**Section 2 Hazards identification (Continued)****Potential Health Effects**

Inhalation: May be harmful if inhaled. May cause respiratory tract irritation.
Skin: May be harmful if absorbed through skin. May cause skin irritation.
Eyes: May cause eye irritation.
Ingestion: May be harmful if swallowed.

Section 3 Composition / Information on ingredients

COMPONENT	CAS#	PERCENT
(1-Hydroxyethylidene)diphosphonic acid	2809-21-4	7%-14%

Section 4 First - aid measures

General Advice: Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

Inhalation: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

Skin Contact: Wash off with soap and plenty of water. Consult a physician.

Eye Contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Ingestion: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Section 5 Fire - fighting measures**Extinguishing Media**

Suitable Extinguishing Media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture: Carbon oxides, Oxides of phosphorus.

Advice for Firefighters: Wear self-contained breathing apparatus for firefighting if necessary.

Section 6 Accidental release measures

Personal Precautions: Wear respiratory protection. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

Environmental Precautions: Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Methods and materials for containment and cleaning up: Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

Product name Clear Spa¹⁰⁴ Spa Solutions Metal Guard

Revision date 5-16-15

Section 7 Handling and storage

Precautions for Safe Handling: Avoid inhalation of vapor or mist. Normal measures for preventive fire protection.

Conditions for safe storage, including any incompatibilities: Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Store at room temperature.

Section 8 Exposure controls / personal protection

Control Parameters

Components with workplace control parameters: Contains no substances with occupational exposure limit values.

Exposure Controls

Appropriate Engineering Controls: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal Protective Equipment

Eye/Face Protection:

Tightly fitting safety goggles. Faceshield (8-inch minimum). Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin Protection:

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body Protection:

Complete suit protecting against chemicals, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory Protection:

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of Environmental Exposure: Do not let product enter drains.

Hygiene Measures:

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Section 9 Physical and chemical properties

Product name Clear Spa¹⁰⁴ Spa Solutions Metal Guard**Revision date** 5-16-15

Appearance:	Colorless to pale yellow liquid.
Odor:	Mild. Vinegar like.
Odor Threshold:	Not Available
pH (1% solution):	<2.0
Melting Point:	198-199°C
Boiling Point:	578.8°C at 760 mmHg
Flash Point:	303.8°C
Stability:	Stable under ordinary conditions.
Evaporation Rate:	Not Available
Flammability (solid, gas):	Not Available
Upper/Lower Flammability or Explosive Limits:	Not Available
Vapor Pressure (mm Hg):	8.34E-16mmHg at 25°C
Density @ 25°C:	1.45 g/mL
Specific Gravity:	1.43 – 1.46
Solubility in Water:	Completely miscible with water in all proportions.
Partition Coefficient (n-octanol/water):	log Pow: -3,49
Auto-ignition Temperature:	Not Available
Decomposition Temperature:	Not Available
Viscosity:	Not Available
Explosive Properties:	Not Available
Oxidizing Properties:	Not Available
Molecular Weight:	201.9987

Section 10 Stability and reactivity

Reactivity:	Not Available.
Chemical Stability:	Stable under recommended storage conditions.
Possibility of Hazardous Reactions:	Corrosive in contact with metals.
Conditions to Avoid:	Not Available
Incompatible Materials:	Strong oxidizing agents.
Hazardous Decomposition Products:	Hazardous decomposition products formed under fire conditions. – Carbon oxides, Oxides of phosphorus.

Section 11 Toxicological information

Acute Toxicity:	LD50 Oral – rat – 2610 mg/kg LD50 Dermal – rabbit – 8630 mg/kg
Inhalation:	Not Available
Skin Corrosion/Irritation:	Skin – rabbit – no skin irritation – Draize Test
Serious Eye Damage/Eye Irritation:	Eyes – rabbit – Severe eye irritation – OECD Test Guideline 405
Respiratory or Skin Sensitization:	Not Available
Germ Cell Mutagenicity:	Not Available

Section 11 Toxicological information (Continued)**Carcinogenicity**

Product name Clear Spa¹⁰⁴ Spa Solutions Metal Guard**Revision date** 5-16-15**IARC:** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.**ACGIH:** No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.**NTP:** No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.**OSHA:** No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive Toxicity:	Not Available
Specific target organ toxicity - single exposure:	Not Available
Specific target organ toxicity - repeated exposure:	Not Available
Aspiration Hazard:	Not Available

Potential Health Effects

Inhalation:	May be harmful if inhaled. May cause respiratory tract irritation.
Ingestion:	May be harmful if swallowed.
Skin:	May be harmful if absorbed through skin. May cause skin irritation.
Eyes:	May cause eye irritation.

Signs and Symptoms of Exposure:

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Section 12 Ecological information**Toxicity**

- Toxicity to fish: mortality – *Salmo gairdneri* – 217 mg/l – 96h
- Toxicity to daphnia and other aquatic invertebrates: Immobilization EC50 – *Daphnia magna* (water flea) – 572 mg/l – 48h
- Toxicity to Algae: Growth inhibition – SELENASTRUM – 42 mg/l – 14 d

Persistence and Degradability: Not Available**Bioaccumulative Potential:** Not Available**Mobility in Soil:** Not Available**Results of PBT and vPvB Assessment:** PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.**Other Adverse Effects:** And environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Very toxic to aquatic life with long lasting effects.**Section 13 Disposal considerations****Waste Treatment Methods****Product:** Contact a licensed professional waste disposal service to dispose of this material. Offer surplus and

Product name Clear Spa¹⁰⁴ Spa Solutions Metal Guard

Revision date 5-16-15

non-recyclable solutions to a licensed disposal company.

Contaminated Packaging: Dispose of as unused product.

Section 14 Transport information

DOT: **UN Number:** ORM-D
UN Proper Shipping Name: ORM-D
Transport Hazard Class: ORM-D
Packing Group: ORM-D

Consumer commodity (ORM-D) means a material that is packaged and distributed in a form intended or suitable for sale through retail sales agencies or instrumentalities for consumption by individuals for purposes of personal care or household use. Valid until December 31, 2020.



TDG: **UN Number:** 3265
UN Proper Shipping Name: Corrosive liquid, acidic, organic, n.o.s. (1 Hydroxyethylidene)diphosphonic acid
Transport Hazard Class: 8
Packing Group: III
Marine Pollutant: No

MEX: **UN Number:** 3265
UN Proper Shipping Name: Corrosive liquid, acidic, organic, n.o.s.(1 Hydroxyethylidene)diphosphonic acid
Transport Hazard Class: 8
Packing Group: III
Marine Pollutant: No

IMDG: **UN Number:** 3265
UN Proper Shipping Name: Corrosive liquid, acidic, organic, n.o.s.(1 Hydroxyethylidene)diphosphonic acid
Transport Hazard Class: 8
Packing Group: III
EMS-No: F-A, S-B
Marine Pollutant: No

Section 14 Transport information (Continued)

IATA: **UN Number:** 3265
UN Proper Shipping Name: Corrosive liquid, acidic, organic, n.o.s.
(1 Hydroxyethylidene)diphosphonic acid
Transport Hazard Class: 8
Packing Group: III

Product name Clear Spa¹⁰⁴ Spa Solutions Metal Guard

Revision date 5-16-15

Section 15 Regulatory information

OSHA Hazards: Irritant

DSL Status: All components of this product are on the Canadian DSL list.

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

SARA 313 Components: 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.

SARA 311/312 Hazards: Acute Health Hazard

Massachusetts Right To Know Components: No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components:	CAS-No.	Revision Date
Etidronic acid	2809-21-4	

New Jersey Right To Know Components:	CAS-No.	Revision Date
Etidronic acid	2809-21-4	

California Prop. 65 Components: 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

DATE OF PREPARATION

5-16-15

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Product name Clear Spa¹⁰⁴ Spa Solutions Crystal Brite

Revision date 6-11-15

Product ID: Crystal Brite

Chemical Name: Not Available
Synonyms: Not Available
Chemical Formula: Not Available
CAS Number: Not Available
Product Use: Water Clarifier

Supplier: Oreq Corporation
42306 Remington Avenue
Temecula, CA 92590
951-296-5076

Emergency Phone# Chemtrec: 1-800-424-9300

OSHA/HCS status: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

GHS Classification: SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2B

GHS SIGNAL WORD: WARNING

HAZARD PICTOGRAM:



Hazard Statement(s)

H318: Causes serious eye damage

H320: Causes eye irritation

Precautionary Statement(s):

Prevention

P280 - Wear protective gloves/protective clothing/eye protection/face protection

P264 - Wash hands thoroughly after handling

Response

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P337 + P313 - If eye irritation persists: Get medical advice/attention.

Storage Not Applicable

Disposal Not Applicable

Product name Clear Spa¹⁰⁴ Spa Solutions Crystal Brite

Revision date 6-11-15

Substance/mixture: Mixture
Other means of Identification: Not available.

Product code: Clear Spa 104 Spa Solutions Crystal Brite

While some substances are claimed as trade secret in accordance with the provision of OSHA 29 CFR 1910.1200(i), all known hazards are clearly communicated within this document.

Description of necessary first aid measures

Eye Contact: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. If irritation persists, get medical attention.

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

Skin Contact: Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Ingestion: Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. the esophagus and dilute stomach contents by slowly giving one (1) to two (2) glasses of water or milk. Avoid giving alcohol or alcohol related products. In cases where the individual is semi-comatose, comatose or convulsing, DO NOT GIVE FLUIDS BY MOUTH. In case of intentional ingestion of the product seek medical assistance immediately; take individual to nearest medical facility.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Inhalation : No known significant effects or critical hazards.
Ingestion : No known significant effects or critical hazards.
Skin contact : No known significant effects or critical hazards.
Eye contact : Causes eye irritation.

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Over-exposure signs/symptoms

Eye contact : Adverse symptoms may include the following:

irritation
watering
redness

Inhalation: No specific data.

Skin contact: No specific data

Ingestion: No specific data.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician: In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

Specific treatments: No specific treatment.

Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

See toxicological information (Section 11)

Extinguishing media

Suitable extinguishing media: Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media : None known.

Specific hazards arising from the chemical In a fire or if heated, a pressure increase will occur and the container may burst.

Hazardous thermal decomposition products Decomposition products may include the following materials:

carbon dioxide
carbon monoxide
nitrogen oxides
halogenated compounds

Special protective actions for fire-fighters Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Personal precautions, protective equipment and emergency procedures

For non-emergency: No action shall be taken involving any personal risk or without suitable training.

Personnel Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

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For emergency responders: If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For nonemergency personnel".

Environmental precautions: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

Small spill Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Precautions for safe handling

Protective measures: Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Advice on general Occupational hygiene: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Conditions for safe storage, including any incompatibilities Store between the following temperatures: 0 to 35°C (32 to 95°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.



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Control parameters

Occupational exposure limits

None

Appropriate engineering controls:

Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Environmental exposure controls:

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

Hygiene measures:

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection:

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

Skin protection

Hand protection:

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of gloves cannot be accurately estimated.

Body protection:

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection:

Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection:

Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Physical state:

Liquid

Vapor pressure:

Not available

Color:

Amber

Vapor density:

Not available

Odor:

Slight

Relative density:

Not available

Odor Threshold:

Not available

Dispersibility properties:

Not available

pH

4 to 8

Product name **Clear Spa¹⁰⁴ Spa Solutions Crystal Brite**

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Melting point:	Not available	Solubility:	Easily soluble in the following materials: cold water / hot water
Boiling point:	Not available	Partition coefficient:	Not available
Flash point:	Closed cup: >100°C (>212°F)	n-octanol/water	
Evaporation rate:	Not available	Auto-ignition temperature:	>200°C (>392°F)
Flammability (solid, gas)	Not available	Decomposition temperature:	Not available
Lower and upper explosive (flammable) limits	Not available	Viscosity:	Not available
		VOC:	Not available

Reactivity :	No specific test data related to reactivity available for this product or its ingredients.
Chemical stability:	The product is stable.
Possibility of hazardous reactions:	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid:	No specific data.
Incompatible materials:	No specific data.
Hazardous decomposition Products:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Clear Spa 104 Spa Solutions Crystal Brite	LD50 Oral	Rat	>2000 mg/kg	-

Conclusion/Summary: This product is not expected to be toxic by inhalation.

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Clear Spa 104 Spa Solutions Crystal Brite	Eyes- Mild irritant	Mammal- species unspecified	-	-	-
	Skin- Mild irritant	Mammal- species unspecified	-	-	-
	Respiratory- Mild irritant	Mammal- species unspecified	-	-	-

Conclusion/Summary

Skin: This product has been tested for cutaneous irritation on New Zealand White male rabbits according to OECD guideline 404. No effects (erythema or edema) were observed after 24 hours. This product is not irritating to skin. May cause skin irritation with susceptible persons.

Eyes: Testing conducted on rabbits showed minor transient irritation which cleared within days.

Respiratory: Slightly hazardous in case of inhalation. Effects will depend on concentration and length of time of exposure.

Sensitization Not available

Conclusion/Summary

Skin: This product is not expected to be sensitizing.

Respiratory: This product is not expected to be sensitizing.

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Mutagenicity Not available.
Conclusion/Summary: Not mutagenic in Ames test. Not mutagenic in micronucleus test on mice.

Carcinogenicity This product has not been tested unless noted in summary results.

Reproductive toxicity Not available

Teratogenicity Not available

Conclusion/Summary: Not teratogenicity. NOEL = 175 mg/kg

Specific target organ toxicity

Single exposure - Not available

Repeated exposure- Not available

Aspiration hazard : Not available

Information on the likely routes of exposure: Routes of entry anticipated: Dermal, Inhalation.
Routes of entry not anticipated: Oral.

Potential acute health effects

Eye contact: Causes eye irritation

Inhalation: No known significant effects or critical hazards.

Skin contact: No known significant effects or critical hazards.

Ingestion: No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : Adverse symptoms may include the following:
irritation
watering
redness

Inhalation: No specific data.

Skin contact: No specific data

Ingestion: No specific data.

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects: Not available

Potential delayed effects: Not available

Long term exposure

Potential immediate effects: Not available

Potential delayed effects: Not available

Potential chronic health effects Not available

Conclusion/Summary : Chronic Toxicity:NOEL / Oral / rat 90-day =5000 mg/kg
Two year feeding study on rats and dogs did not reveal any adverse health effects.
Not mutagenic in AMES Test.
Not mutagenic in micronucleus test on mice.
Not teratogenic, NOEL = 175 mg/kg.

General: No known significant effects or critical hazards

Carcinogenicity: No known significant effects or critical hazards

Mutagenicity: No known significant effects or critical hazards

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Teratogenicity: No known significant effects or critical hazards
Developmental effects: No known significant effects or critical hazards
Fertility effects: No known significant effects or critical hazards

Numerical measures of toxicity

Acute toxicity estimates Not available

Toxicity

Product/ingredient name	Result	Species	Exposure
Clear Spa 104 Spa Solutions Crystal Brite	Acute EC50 >10 mg/l	Daphnia	48 hours
	Acute LC50 >10 mg/l	Fish	96 hours

Disposal methods:

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

	DOT Classification	IMDG	IATA
UN number	Not regulated	Not regulated	Not regulated
UN proper shipping name	-	-	-
Transport hazard class(es)	-	-	-
Packing group	-	-	-
Environmental hazards	No	No	No
Additional information	-	-	The environmentally hazardous substance mark may appear if required by other transportation regulations.

Special precautions for user: **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not available



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Potential impurities present in trace quantities are included in the regulatory listings of this section.

U.S. Federal regulations : **United States inventory (TSCA 8b):** All components are listed or exempted.

SARA 302/304

Composition/information on ingredients

No products were found.

SARA 304 RQ : Not applicable.

SARA 311/312

Classification : Immediate (acute) health hazard

Composition/information on ingredients

No products were found.

CERCLA: CERCLA: Hazardous substances.: No products were found.

FDA: This product is allowed under the following FDA (21 CFR) sections :176.170 Limitations:
1) As a pigment dispersant and/or retention aid prior to the sheet-forming operation in the manufacture of paper and paperboard, and used at a level not to exceed 10 pounds of active polymer per ton of finished paper and paperboard. 2) As a pigment dispersant in coatings at a level not to exceed 3.5 pounds of active polymer per ton of finished paper and paperboard. 3) For use only as a flocculant employed prior to the sheet forming operation in the manufacture of paper and paperboard, and used at a level not to exceed 10 mg/L (10 parts per million) of influent water

FIFRA This product is not a registered pesticide.

HMIS/NPCA Rating ... Health 1 Flammability 0 Reactivity 0

NFPA RatingsHealth 1 Flammability 0 Reactivity 0

DATE OF PREPARATION

6-11-2015

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Product name Clear Spa¹⁰⁴ Spa Solutions No Foam**Revision date** 5-16-15**Section 1 Identification****Product ID:** No Foam
Chemical Name: Polydimethylsiloxane
Synonyms: Silicone Emulsion
Chemical Formula: Not Available
CAS Number: 63148-18-5
Product Use: Eliminates Foam and Sudsing**Supplier:** Oreq Corporation
42306 Remington Avenue
Temecula, CA 92590
951-296-5076**Emergency Phone#** Chemtrec: 1-800-424-9300**Section 2 Hazards identification****EMERGENCY OVERVIEW****OSHA Regulatory Status:** This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.122). Not a dangerous substance or mixture according to the Globally Harmonized System (GHS).**Health:** 0
Flammability: 0
Reactivity: 0
Special: 0
0 = minimal 1= slight 2=moderate 3= serious 4= severe**Route(s) of Entry****Inhalation:** No inhalation hazard identified from data available.
Skin Contact: May cause irritation and reddening; rinse skin with water.
Ingestion: No adverse effect expected.
Eye Contact: May cause irritation or reddening.**Target Organs:** None known**Effects of Overexposure:** Contact with the eyes may cause irritation. Ingestion will cause mouth,throat and gastrointestinal irritation. Inhalation of harmful levels of vapors is unlikely due to the relatively low vapor pressure and the relatively low concentrations of ingredients.**Acute Effects of Overexposure:** None known.
Chronic: None known.
Medical Conditions Generally Aggravated by Long-Term Exposure: None expected.
Chronic Effects: None known**Carcinogenicity****NTP:** None known
IARC Monographs: None known
OSHA Regulations: None known
ACGIH: None known

Product name Clear Spa¹⁰⁴ Spa Solutions No Foam**Revision date** 5-16-15**Section 3 Composition / Information on ingredients**

Component	CAS#	Percent
Polydimethylsiloxane	63148-18-5	2%

Section 4 First - aid measures**Eye Contact:** Flush eyes with large amounts of water for 15 minutes. If irritation persists, get medical attention.**Skin Contact:** Wash affected area thoroughly with soap and water. Remove contaminated clothing, rings, etc.**Ingestion:** Give several glasses of water to dilute. Do not induce vomiting.**Inhalation:** None required.**Section 5 Fire - fighting measures****Unusual Fire Fighting Procedures:** None required; non-flammable product.**Flash Point:** None detected.**Flash Point Method:** Pensky Martens**Burning Rate:** Does not burn.**Auto ignition Temperature:** Not available.**Flammable Limits in Air (% by volume):** Not applicable.

LEL: Not applicable.

UEL: Not applicable.

Flammability Classification: Not flammable.**Unusual Fire or Explosion Hazards:** Closed containers may rupture or explode due to steam pressure build-up when exposed to extreme heat. Water may be used to cool closed containers.**Unusual Fire Fighting Procedures:** None required.**Section 6 Accidental release measures****Spill/Leak Procedures:** Recover usable material by convenient method; residual may be removed by wipe or wet mop.**Small Spills:** Small spills should be absorbed with a suitable inert material (sand, earth, clay, etc.). Remove the absorbed material and place in an appropriate chemical waste container for disposal.**Large Spills:** For large spills, dike and pump into suitable containers. Clean up residual water.**Containment:** For large spills, dike far ahead of liquid spill for later disposal.**Regulatory Requirements:** Follow applicable Federal, State and Local regulations.**Section 7 Handling and storage****Handling Precautions:** Wear impermeable gloves and other protective clothing to avoid prolonged or repeated skin contact. When handling, wear eye protection.**Storage Requirements:** Keep containers tightly closed when not in use.

Product name Clear Spa¹⁰⁴ Spa Solutions No Foam

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Section 8 Exposure controls / personal protection

Control Parameters: No Occupational Exposure Limits (OELs) have been established for this product or its chemical components.

Engineering Controls

Ventilation: Provide general or local exhaust ventilation systems.

Administrative Controls

Respiratory Protection: Respirator not needed.

**Protective Clothing/
Equipment:**

Where skin contact may occur, chemical-impervious gloves should be worn. Use chemical goggles or full face shield when the danger of splashing exists. Rubber apron or similar protective clothing to prevent contact with skin or clothes.

Work and Hygienic Practices: Wash or rinse hands before touching eyes or contact lenses, and before eating.

Safety Stations: Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

Contaminated Equipment: Separate contaminated work clothes from street clothes. Launder before reuse. Remove this material from your shoes and clean personal protective equipment.

Comments: Avoid contact with skin, eyes and clothing. Do not take internally. Clean up spills immediately. Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

Section 9 Physical and chemical properties

Appearance and odor:	Thick white liquid with very little odor.
Boiling Point (760 mm Hg):	212°F (at 760 mm Hg)
Freezing Point:	32°F
Specific Gravity (water =1):	0.99
Percent Organic Volatiles by Volume:	0
Evaporation Rate (butyl acetate =1):	<1
Solubility in Water (% by wt):	Miscible
Vapor Pressure (at 20°C):	Not Determined
pH:	7.0 – 8.0

Section 10 Stability and reactivity

Stability:	Stable
Polymerization:	Will not occur.
Chemical Incompatibilities:	None.
Conditions to Avoid:	Heat, sparks, open flame and other ignition sources.

Hazardous decomposition products: Thermal decomposition may produce carbon monoxide, carbon dioxide and oxides of silicon.

Product name Clear Spa¹⁰⁴ Spa Solutions No Foam

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Section 11 Toxicological information

Eye Effects: May cause irritation and reddening. Immediately rinse eyes with large quantities of water; continue 10-15% minutes or until the material has been removed; be sure to remove contact lenses, if present and to lift upper and lower lids during rinsing. Get medical attention if irritation persists.

Skin Effects: May cause irritation; rinse skin with water, rinse shoes and launder clothing before use. Reversible reddening may occur in some dermal-sensitive users, thoroughly rinse area and get medical attention.

Acute Inhalation Effects: Exposures to concentrate-mist may cause mild irritation of nasal passages or throat; remove to fresh air. Get medical attention if irritation persists.

Acute Oral Effects: May be irritating to mouth, throat and stomach. May cause gastric tract disorder and/or damage in large quantities. Give several glasses of water to dilute; do not induce vomiting. If stomach upset occurs, consult physician.

Chronic Effects: None known

Carcinogenicity: Neither product nor its ingredients are listed by IARC, NTD or OSHA

Mutagenicity: Not mutagenic

Teratogenicity: Not Teratogenic

Section 12 Ecological information

Ecotoxicity: Not determined

Environmental Fate: Decomposes to carbon, oxygen, nitrogen and water.

Environmental Degradation: Biodegradable

Soil Absorption/Mobility: Not determined

Section 13 Disposal considerations

Waste disposal method: Sanitary landfill or incinerate in approved facilities in accordance with local, state and federal regulations.

Disposal Regulatory Requirements: Shipments of waste material may be classified as hazardous and subject to manifesting requirements through applicable regulatory agency.

Container Cleaning and Disposal: Containers should be cleaned of residual product before disposal, and disposed of in accordance with all applicable laws and regulations.

Section 14 Transport information

DOT: Not Dangerous Goods

TDG: Not Dangerous Goods

MEX: Not Dangerous Goods

IMDG: Not Dangerous Goods

IATA: Not Dangerous Goods

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Section 15 Regulatory information

EPA Regulations

RCRA Hazardous Waste Number and RCRA Hazardous Waste Classification: Not applicable.

CERCLA Hazardous Substance and CERCLA Reportable Quantity: Not applicable.

SARA Toxic Chemical and SARA EHS:

Contains no components at a level that could require reporting under "SARA" Section 313.

OSHA Regulations:

Must comply with OSHA standard 29 CFR 1910.1200 (employee right to know).

Section 16 Other information

DATE OF PREPARATION

5-16-15

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