

# MATERIAL SAFETY DATA SHEET



Date Issued: 07/01/2008

MSDS No: Spa Choice Spa Sanitizing Granules

Date Revised: 06/23/2008

Revision No: 1

## Spa Choice Spa Sanitizing Granules

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Spa Choice Spa Sanitizing Granules**GENERAL USE:** Spa Sanitizer**PRODUCT DESCRIPTION:** Sodium Dichloro-s-triazinetione Dihydrate**MOLECULAR FORMULA:** C<sub>3</sub>Cl<sub>2</sub>N<sub>3</sub>O<sub>3</sub>Na·2H<sub>2</sub>O**ACTIVE INGREDIENT(S):** Sodium Dichloro-s-triazinetione Dihydrate

#### MANUFACTURER

Suncoast Chemicals Company  
 14480 62nd Street North  
 Clearwater FL 33760  
**Product Stewardship:** (727) 531-8913

#### DISTRIBUTOR

Suncoast Chemicals Company  
 14480 62nd Street North  
 Clearwater FL 33760  
**Product Stewardship:** (727) 531-8913

#### 24 HR. EMERGENCY TELEPHONE NUMBERS

Chem-Tel 24-Hour Emergency # (800) 255-3924

### 2. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

**PHYSICAL APPEARANCE:** White granular product**IMMEDIATE CONCERNS:** Corrosive. Causes irreversible eye damage. May be fatal if inhaled. Harmful if swallowed or absorbed through skin. Will burn with evolution of chlorine and equally toxic gases. Do not get in eye, on skin, or on clothing. Avoid breathing dust and fumes.

#### POTENTIAL HEALTH EFFECTS

**EYES:** Dust and process vapors may irritate eyes.**SKIN:** Initially non-irritating but prolonged contact will produce chemical burns. Burns are also induced when moisture is added.**INGESTION:** May cause Irritation or burns to the gastrointestinal tract.**INHALATION:** Irritating to nose, mouth, throat and lungs. May cause burns to respiratory tract.

#### SIGNS AND SYMPTOMS OF OVEREXPOSURE

**ACUTE TOXICITY:** Repeated exposure may cause eye, nose, throat and pharynx irritation.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

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## Spa Choice Spa Sanitizing Granules

Chemical Name	Wt.%	CAS	EINECS
Sodium Dichloro-s-triazinetriene Dihydrate	100	051580-86-0	--

**COMMENTS:** 55.0 - 56.0% active chlorine

### 4. FIRST AID MEASURES

**EYES:** Immediately flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention.

**SKIN:** Immediately wash skin with soap and plenty of water. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse.

**INGESTION:** Immediately drink large quantities of water. Do NOT induce vomiting. Call a physician at once. Do not give anything by mouth to an unconscious person.

**INHALATION:** Remove victim to fresh air. If breathing is difficult, administer oxygen. Call a physician.

**ADDITIONAL INFORMATION:** Chronic Effect: Prolonged contact may result in irritation to eyes, skin and mucous membranes.

### 5. FIRE FIGHTING MEASURES

**FLASHPOINT AND METHOD:** Not Applicable

**FLAMMABLE LIMITS:** 0 to 0

**Notes:** Non-flammable.

**EXTINGUISHING MEDIA:** Use massive amounts of water.

**EXPLOSION HAZARDS:** Highly reactive oxidizing materials may result in fire.

**FIRE FIGHTING PROCEDURES:** Saturate with massive quantities of water to extinguish thermal decomposing products. If possible, isolate them to an open area, wearing self-contained breathing apparatus with full facepiece and protective clothing.

### 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Sweep up spill with a dry broom and contain. Do not allow material to sit on ground and become moist. Do not contaminate with water, organics or nitrogen compounds.

### 7. HANDLING AND STORAGE

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## Spa Choice Spa Sanitizing Granules

**HANDLING:** Keep away from moisture, sunlight and high temperatures. Keep away from flammable liquids, combustibles and oxidizers. Avoid dust formation.

**STORAGE:** Store in a cool, dry, well-ventilated area. Do not store at temperatures above 60 deg C/140 deg F.

**STORAGE TEMPERATURE:** Less than 25 degrees Celsius.

### 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 <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Sodium Dichloro-s-triazinetrione Dihydrate	TWA	Not Established		Not Established		[1]	[1]
	STEL	Not Established		Not Established			
<b>Footnotes:</b>							
1. The TLV for Chlorine is 0.5 ppm (1.5 mg/m <sup>3</sup> ) TWA and 1ppm STEL.							

**ENGINEERING CONTROLS:** Local exhaust with circulation to the outside is needed in the event of decomposition which produces fumes and chlorine gas.

#### PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** Wear chemical safety glasses or goggles.

**SKIN:** Impervious gloves.

**RESPIRATORY:** If needed, use OSHA-NIOSH approved respirator for dusts, mists, and fumes with TLV not less than 0.05 mg/m<sup>3</sup>.

**PROTECTIVE CLOTHING:** Neoprene apron and impervious clothing.

**WORK HYGIENIC PRACTICES:** Provide safety shower and eyewash station in the work area.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Solid

**ODOR:** Mild chlorine.

**APPEARANCE:** White granular.

**pH:** 6.5

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## Spa Choice Spa Sanitizing Granules

**VAPOR PRESSURE:** 100

**VAPOR DENSITY:** 100

**BOILING POINT:** Not Applicable

**FREEZING POINT:** Not Applicable

**FLASHPOINT AND METHOD:** Not Applicable

**SOLUBILITY IN WATER:** 26.2 g/100ml H<sub>2</sub>O at 25 degrees C

**EVAPORATION RATE:** Not Applicable

**SPECIFIC GRAVITY:** 1.95

**VISCOSITY:** Not Applicable

**(VOC):** 100.000

## 10. STABILITY AND REACTIVITY

**STABILITY:** Stable under dry and normal conditions.

**POLYMERIZATION:** Will not occur.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Nitrogen trichloride, chlorine, cyanic acid

**INCOMPATIBLE MATERIALS:** Avoid contact with organic matter. Avoid contact with easily chlorinated or oxidized materials which may result in fire.

Avoid contact with ammonia, ammonium salts, urea or similar compounds which contain nitrogen. This may form nitrogen trichloride, a highly explosive compound.

Avoid contamination with oils and greases which may cause decomposition with the formation of CO<sub>2</sub> and Cl<sub>2</sub>.

This product may form an explosive mixture with calcium hypochlorite.

In a formulation containing this material as the major component, alkaline materials such as soda ash (Na<sub>2</sub>CO<sub>3</sub>) in the presence of moisture may cause violent decomposition and fire.

Avoid contact with alcohols, ethers, and solvents (toluene, xylene, turpentine, etc.)

Avoid contact with small amounts of water. (Do not add water to chemical, add chemical to water.)

## 11. TOXICOLOGICAL INFORMATION

**COMMENTS:** Acute Toxicity: Oral LD<sub>50</sub> 738 mg/kg (rat) 1355 (male) 1400 (female)

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## Spa Choice Spa Sanitizing Granules

### 12. ECOLOGICAL INFORMATION

#### AQUATIC TOXICITY (ACUTE)

48-HOUR EC<sub>50</sub>: 3.19 TLM ppm Oryzias Latipes

**GENERAL COMMENTS:** This product is toxic to fish and aquatic life.

### 13. DISPOSAL CONSIDERATIONS

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

### 14. TRANSPORT INFORMATION

#### DOT (DEPARTMENT OF TRANSPORTATION)

**PROPER SHIPPING NAME:** Not restricted by DOT

**SPECIAL SHIPPING NOTES:** DOT Special Provision #28 states "The dihydrated sodium salt of dichlorisocyanuric acid is not subject to the requirements of this subchapter."

### 15. REGULATORY INFORMATION

#### UNITED STATES

##### TSCA (TOXIC SUBSTANCE CONTROL ACT)

**TSCA STATUS:** All ingredients in this mixture are in compliance with TSCA.

##### REGULATIONS

**STATE REGULATIONS** Massachusetts Hazardous Substance - Yes  
 Pennsylvania Hazardous Substance - Yes

**CALIFORNIA PROPOSITION 65:** NA = Not Applicable

**FIFRA (FEDERAL INSECTICIDE, FUNGICIDE, AND RODENTICIDE ACT):** This is an EPA-registered product.

### 16. OTHER INFORMATION

**REVISION SUMMARY:** Revision #: 1 This MSDS replaces the June 11, 2008 MSDS. Any changes in information are as follows: In Section 1 Date Prepared In Section 1 Date Prepared In Section 1 Date Prepared In Section 1 Date

# MATERIAL SAFETY DATA SHEET



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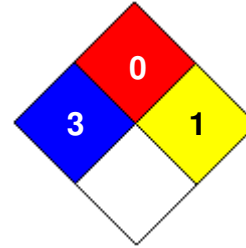
## Spa Choice Spa Sanitizing Granules

Prepared In Section 1 Date Prepared In Section 1 Date Prepared In Section 1 Date Prepared In Section 1 Date Prepared

### HMIS RATING

HEALTH:		3
FLAMMABILITY:		0
PHYSICAL HAZARD:		1
PERSONAL PROTECTION:		

### NFPA CODES



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# MATERIAL SAFETY DATA SHEET



Date Issued: 08/01/2008

MSDS No: Spa Choice Clean N Fast

Revision No: New MSDS

## Spa Choice Clean N Fast

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Spa Choice Clean N Fast**GENERAL USE:** Spa Cleaner

#### MANUFACTURER

Suncoast Chemicals Company  
 14480 62nd Street North  
 Clearwater FL 33760

**Product Stewardship:** (727) 531-8913

#### DISTRIBUTOR

Suncoast Chemicals Company  
 14480 62nd Street North  
 Clearwater FL 33760

**Product Stewardship:** (727) 531-8913

#### 24 HR. EMERGENCY TELEPHONE NUMBERS

Chem-Tel 24-Hour Emergency # (800) 255-3924

### 2. HAZARDS IDENTIFICATION

#### POTENTIAL HEALTH EFFECTS

**EYES:** Causes eye burns and tissue damage.**SKIN:** May cause skin damage.**INGESTION:** If ingested, get immediate medical attention.**INHALATION:** Causes respiratory tract irritation.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS	EINECS
Phosphonic Acid, (1-hydroxyethylidene)bis-, Disodium Salt	> 0.01	007414-83-7	231-025-7
2- Butoxyethanol	> 0.01	000111-76-2	--

### 4. FIRST AID MEASURES

**EYES:** Holding eyelids apart, flush with plenty of water for at least 15 minutes. Get medical attention immediately.**SKIN:** Immediately flush affected area with plenty of water for at least 15 minutes. If irritation occurs (redness, rash, blistering) seek immediate medical attention.**INGESTION:** Drink plenty of water. Contact a physician or poison control center immediately.**INHALATION:** Remove victim to fresh air. If breathing is difficult, administer oxygen. Call a physician.

# MATERIAL SAFETY DATA SHEET



Date Issued: 08/01/2008

MSDS No: Spa Choice Clean N Fast

Revision No: New MSDS

## Spa Choice Clean N Fast

### 5. FIRE FIGHTING MEASURES

**FLASHPOINT AND METHOD:** (150°F)

**FLAMMABLE LIMITS:** 0 to 0

**EXTINGUISHING MEDIA:** Use water spray, dry chemical, foam, or carbon dioxide.

**FIRE FIGHTING EQUIPMENT:** Firefighters should wear self-contained breathing apparatus (SCBA) and full protective gear.

### 6. ACCIDENTAL RELEASE MEASURES

**GENERAL PROCEDURES:** Clean up spill immediately. Contain and/or absorb spill with inert material (e.g., sand or vermiculite). Flush spill area with water. use appropriate containers to avoid environmental contamination.

### 7. HANDLING AND STORAGE

**HANDLING:** Keep out of reach of children.

**STORAGE:** Store in a cool dry place.

### 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 <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
2- Butoxyethanol	TWA	50 ppm <sup>[1]</sup>	240 mg/m <sup>3</sup> <sup>[1]</sup>	20 ppm <sup>[2]</sup>	97 mg/m <sup>3</sup> <sup>[2]</sup>	NL ppm	NL ppm
	STEL	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	NL mg/m <sup>3</sup>	NL mg/m <sup>3</sup>
<b>Footnotes:</b> 1. NL = Not Listed 2. S = Skin							

**ENGINEERING CONTROLS:** Local exhaust.

**PERSONAL PROTECTIVE EQUIPMENT**



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## Spa Choice Clean N Fast

**EYES AND FACE:** Safety glasses with side shields or goggles.

**SKIN:** Chemical-resistant gloves.

**RESPIRATORY:** None normally required.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**ODOR:** Detergent.

**APPEARANCE:** Blue liquid.

**pH:** 1.41

**VAPOR PRESSURE:** N/A

**VAPOR DENSITY:** N/A.

**BOILING POINT:** (212°F)

**FLASHPOINT AND METHOD:** (150°F)

**SOLUBILITY IN WATER:** Soluble in water.

**EVAPORATION RATE:** N/A.

**SPECIFIC GRAVITY:** 1.030

### 10. STABILITY AND REACTIVITY

**STABILITY:** Stable.

**POLYMERIZATION:** Will not occur.

**CONDITIONS TO AVOID:** Avoid contact with strong acids and alkalis.

**INCOMPATIBLE MATERIALS:** Strong acids and alkalis.

### 11. TOXICOLOGICAL INFORMATION

#### ACUTE

#### NOTES:

**Phosphonic Acid** (neat product): Corrosive; causes eye burns and permanent damage. Mist may be severely irritating to nose, throat and lungs depending upon concentration and duration of exposure.

**Glycol Ether** (neat product): Per-Oral LD50 470-3000 mg/kg (rat)  
Percutaneous LD50 220 mg/kg (rabbit)  
Percutaneous LD50 >2000 mg/kg (guinea pig)

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## Spa Choice Clean N Fast

Inhalation (Vapor) LC50 700 ppm 7 hr. (rat)  
Irritation Eye 0.005 ml (rabbit) Results: severe corneal injury, iritis.

### 12. ECOLOGICAL INFORMATION

**COMMENTS:** None available.

### 13. DISPOSAL CONSIDERATIONS

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

### 14. TRANSPORT INFORMATION

#### DOT (DEPARTMENT OF TRANSPORTATION)

**PROPER SHIPPING NAME:** Corrosive Liquid, acidic, organic N.O.S. (1-hydroxyethylidene-1, 1-diphosphonic acid)

**PRIMARY HAZARD CLASS/DIVISION:** 8

**UN/NA NUMBER:** UN 3265

**PACKING GROUP:** III

**OTHER SHIPPING INFORMATION:** DOT exception 173.154 - this product qualifies as a Consumer Commodity (ORM-D) when inner packaging does not exceed 1 gallons.

### 15. REGULATORY INFORMATION

#### UNITED STATES

#### SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

**313 REPORTABLE INGREDIENTS:** Subject to the reporting requirements of Section 313.

#### TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Phosphonic Acid, (1-hydroxyethylidene)bis-, Disodium Salt	007414-83-7
2- Butoxyethanol	000111-76-2

### 16. OTHER INFORMATION

# MATERIAL SAFETY DATA SHEET



Date Issued: 08/01/2008

MSDS No: Spa Choice Clean N Fast

Revision No: New MSDS

## Spa Choice Clean N Fast

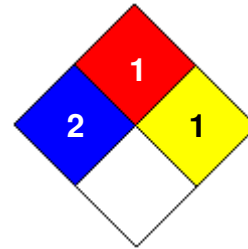
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**REVISION SUMMARY:** New MSDS

### HMIS RATING

HEALTH:		2
FLAMMABILITY:		1
PHYSICAL HAZARD:		1
PERSONAL PROTECTION:		

### NFPA CODES



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# MATERIAL SAFETY DATA SHEET



Date Issued: 07/01/2008

MSDS No: Spa Choice Clear &amp; Sparkle

Revision No: New MSDS

## Spa Choice Clear & Sparkle

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Spa Choice Clear & Sparkle  
**GENERAL USE:** Swimming pool clarifier.

#### MANUFACTURER

Suncoast Chemicals Company  
 14480 62nd Street North  
 Clearwater FL 33760  
**Product Stewardship:** (727) 531-8913

#### DISTRIBUTOR

Suncoast Chemicals Company  
 14480 62nd Street North  
 Clearwater FL 33760  
**Product Stewardship:** (727) 531-8913

#### 24 HR. EMERGENCY TELEPHONE NUMBERS

Chem-Tel 24-Hour Emergency # (800) 255-3924

### 2. HAZARDS IDENTIFICATION

#### POTENTIAL HEALTH EFFECTS

**EYES:** Minor transient irritation.

**SKIN:** Substance does not generally irritate and is only mildly irritating to susceptible people.

**INGESTION:** Poses little or no immediate hazard.

**INHALATION:** Not expected to be toxic by inhalation.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt. %
Proprietary Blend	100

### 4. FIRST AID MEASURES

**EYES:** Hold eyelids apart and immediately flush eyes with plenty of water for at least 15 minutes.

**SKIN:** Wash with soap and water. Get medical attention if irritation develops or persists.

**INGESTION:** Not considered toxic.

**INHALATION:** Remove to fresh air.

# MATERIAL SAFETY DATA SHEET



Date Issued: 07/01/2008

MSDS No: Spa Choice Clear &amp; Sparkle

Revision No: New MSDS

## Spa Choice Clear & Sparkle

### 5. FIRE FIGHTING MEASURES

**FLASHPOINT AND METHOD:** > 100°C (212°F) CC

**EXTINGUISHING MEDIA:** Carbon dioxide, water, water fog, dry chemical, chemical foam.

**EXPLOSION HAZARDS:** None.

**FIRE FIGHTING PROCEDURES:** Spills produce extremely slippery surfaces.

**FIRE FIGHTING EQUIPMENT:** No special equipment required.

### 6. ACCIDENTAL RELEASE MEASURES

#### ENVIRONMENTAL PRECAUTIONS

**WATER SPILL:** Do not discharge into drains or waterways.

**GENERAL PROCEDURES:** Do not flush with water. Dam up. Soak up with inert absorbent material. If liquid has been spilled in large quantities, clean up promptly by scoop or vacuum. Keep in suitable and closed containers for disposal. After cleaning, flush away traces with water.

### 7. HANDLING AND STORAGE

**HANDLING:** Wash hands after handling.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)					
			EXPOSURE LIMITS		
			OSHA PEL		
Chemical Name			ppm	mg/m <sup>3</sup>	
Proprietary Blend			TWA	[1]	[1]
<b>Footnotes:</b>					
1. Although a component of this product is considered an OSHA Hazardous material, this product does not contain any reportable OSHA hazardous materials.					

**ENGINEERING CONTROLS:** Natural ventilation is adequate. Use local exhaust if misting occurs.

#### PERSONAL PROTECTIVE EQUIPMENT

# MATERIAL SAFETY DATA SHEET



Date Issued: 07/01/2008

MSDS No: Spa Choice Clear &amp; Sparkle

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## Spa Choice Clear & Sparkle

**EYES AND FACE:** Wear safety glasses with side shields. Do not wear contacts.

**RESPIRATORY:** In case of insufficient respiration, wear suitable respiratory equipment.

**PROTECTIVE CLOTHING:** Chemical resistant apron.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Liquid

**ODOR:** Mild.

**APPEARANCE:** Blue liquid.

**pH:** 5.8 to 7.1

**VAPOR PRESSURE:** N/A

**VAPOR DENSITY:** 1.04 g/cm<sup>3</sup>

**FLASHPOINT AND METHOD:** > 100°C (212°F) CC

**SOLUBILITY IN WATER:** Complete.

**EVAPORATION RATE:** Not Available

**VISCOSITY #1:** 1000 to 3000 CPS

### 10. STABILITY AND REACTIVITY

**STABILITY:** Stable under normal conditions.

**HAZARDOUS DECOMPOSITION PRODUCTS:** No decomposition if stored and applied as directed. Burning of the dried material can produce hydrogen chloride gas, nitrogen oxides (NO<sub>x</sub>), carbon oxides.

**INCOMPATIBLE MATERIALS:** Oxidizing agent may cause exothermic reactions.

### 11. TOXICOLOGICAL INFORMATION

#### ACUTE

**ORAL LD<sub>50</sub>:** > 2000 mg/kg (rat)

**Notes:** Not expected to be toxic.

**CHRONIC:** NOEL/Oral (rat) 90 day = 5000 mg/kg.

**IRRITATION:** Testing on rabbits shows minor transient irritation which cleared in days. Skin exposure may cause skin irritation with susceptible persons.

# MATERIAL SAFETY DATA SHEET



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Revision No: New MSDS

## Spa Choice Clear & Sparkle

**TERATOGENIC EFFECTS:** Not teratogenic. Noel=175 mg/kg.

**MUTAGENICITY:** Not mutagenetic.

### 12. ECOLOGICAL INFORMATION

#### AQUATIC TOXICITY (ACUTE)

**96-HOUR LC<sub>50</sub>:** > 10 mg/l (Danio Rerio)

### 13. DISPOSAL CONSIDERATIONS

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

### 14. TRANSPORT INFORMATION

#### DOT (DEPARTMENT OF TRANSPORTATION)

**PROPER SHIPPING NAME:** Not Regulated.

### 15. REGULATORY INFORMATION

#### UNITED STATES

##### SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

**311/312 HAZARD CATEGORIES:** Hazard Categories: Health: Immediate (Acute) Health Hazard

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

##### CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

**CERCLA REGULATORY:** No components of this product are present above the de minimus levels.

##### TSCA (TOXIC SUBSTANCE CONTROL ACT)

**TSCA STATUS:** All ingredients in this mixture are in compliance with TSCA.

### 16. OTHER INFORMATION

**REVISION SUMMARY:** New MSDS

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MSDS No: Spa Choice Clear &amp; Sparkle

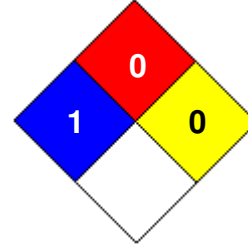
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## Spa Choice Clear & Sparkle

### HMIS RATING

HEALTH:	1
FLAMMABILITY:	0
PHYSICAL HAZARD:	0
PERSONAL PROTECTION:	

### NFPA CODES



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# MATERIAL SAFETY DATA SHEET



Date Issued: 07/17/2008  
 MSDS No: Spa Choice Defense  
 Revision No: New MSDS

## Spa Choice Defense

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Spa Choice Defense  
**GENERAL USE:** Spa Descaler

#### MANUFACTURER

Suncoast Chemicals Company  
 14480 62nd Street North  
 Clearwater FL 33760  
**Product Stewardship:** (727) 531-8913

#### DISTRIBUTOR

Suncoast Chemicals Company  
 14480 62nd Street North  
 Clearwater FL 33760  
**Product Stewardship:** (727) 531-8913

#### 24 HR. EMERGENCY TELEPHONE NUMBERS

Chem-Tel 24-Hour Emergency # (800) 255-3924

### 2. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

**IMMEDIATE CONCERNS:** Irritating to eyes and skin.

#### POTENTIAL HEALTH EFFECTS

**EYES:** May cause eye irritation.

**SKIN:** May cause skin irritation.

**INGESTION:** Ingestion is not expected to be a primary route of exposure.

**INHALATION:** May be harmful if inhaled. Do not breathe spray mists of the undiluted product. Effects will depend upon strength and length of time of exposure.

#### SIGNS AND SYMPTOMS OF OVEREXPOSURE

**CARCINOGENICITY:** Not listed by NTP, IARC or OSHA.

**TARGET ORGAN STATEMENT:** May cause damage to the eyes, skin and upper respiratory tract.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt. %
Proprietary Blend - No Reportable OSHA Hazardous Materials	0

### 4. FIRST AID MEASURES

# MATERIAL SAFETY DATA SHEET



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MSDS No: Spa Choice Defense

Revision No: New MSDS

## Spa Choice Defense

**EYES:** Hold eyelids open and flush with a copious amounts of water for at least 15 minutes. Seek immediate medical attention, preferably with an ophthalmologist.

**SKIN:** Wash exposed area with plenty of water. Repeat washing. Remove contaminated clothing and wash thoroughly before reuse. If irritation persists, consult a health care professional.

**INGESTION:** DO NOT INDUCE VOMITING. Rinse mouth with plenty of water or milk. Irrigate the esophagus and dilute the stomach by slowly giving 1 to 2 glasses of water or milk. In cases where the individual is semi-comatose, comatose or convulsing, DO NOT GIVE FLUIDS BY MOUTH. In cases of intentional ingestion, seek immediate medical assistance. Take individual to nearest medical facility.

**INHALATION:** Immediately move person to fresh air. If individual experiences nausea, headache, dizziness, has difficulty in breathing or is cyanotic, seek immediate medical treatment.

### 5. FIRE FIGHTING MEASURES

**FLASHPOINT AND METHOD:** Not Available

**FLAMMABLE LIMITS:** 0 to 0

**EXTINGUISHING MEDIA:** Water fog, carbon dioxide, foam, dry chemical.

**FIRE FIGHTING EQUIPMENT:** Firefighters should wear self-contained breathing apparatus (SCBA) and full protective gear.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon monoxide may be formed upon burning.

### 6. ACCIDENTAL RELEASE MEASURES

**GENERAL PROCEDURES:** Initially minimize are affected by spill or leak. Block any potential routes to water systems. Ensure that spilled or leaked product does not come into contact with material listed as incompatible. Clay, soil, or commercially available absorbent may be used to recover any material that cannot readily be recovered as pure product. Flushing residual material to an industrial sewer, may be acceptable if authorized approval is obtained.

### 7. HANDLING AND STORAGE

**HANDLING:** Do not get on skin or in eyes.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Local exhaust.

**PERSONAL PROTECTIVE EQUIPMENT**

# MATERIAL SAFETY DATA SHEET



Date Issued: 07/17/2008

MSDS No: Spa Choice Defense

Revision No: New MSDS

## Spa Choice Defense

**EYES AND FACE:** Safety glasses with side shields or goggles.

**SKIN:** Chemical-resistant gloves.

**RESPIRATORY:** None normally required.

**PROTECTIVE CLOTHING:** Body protective clothing and shoes.

**WORK HYGIENIC PRACTICES:** Provide safety shower and eyewash station in the work area.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Liquid

**ODOR:** Mild.

**pH:** 4.32

**VAPOR PRESSURE:** Not Available

**VAPOR DENSITY:** 1.21 g/cm<sup>3</sup>

**BOILING POINT:** 100°C (212°F)

**FREEZING POINT:** Not Available

**FLASHPOINT AND METHOD:** Not Available

**SOLUBILITY IN WATER:** Soluble in water.

**SPECIFIC GRAVITY:** 1.010

### 10. STABILITY AND REACTIVITY

**STABILITY:** Stable under normal conditions.

**HAZARDOUS DECOMPOSITION PRODUCTS:** None known, but carbon monoxide may be formed upon burning.

**INCOMPATIBLE MATERIALS:** None known.

### 11. TOXICOLOGICAL INFORMATION

#### ACUTE

**DERMAL LD<sub>50</sub>:** > 2000 mg/kg (rabbit)

**ORAL LD<sub>50</sub>:** > 5000 mg/kg (rat)

# MATERIAL SAFETY DATA SHEET



Date Issued: 07/17/2008  
MSDS No: Spa Choice Defense  
Revision No: New MSDS

## Spa Choice Defense

### 12. ECOLOGICAL INFORMATION

**COMMENTS:** None available.

### 13. DISPOSAL CONSIDERATIONS

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

**RCRA/EPA WASTE INFORMATION:** This product is not considered a hazardous waste as defined under the Resource Conservation and Recovery Act (RCRA).

### 14. TRANSPORT INFORMATION

#### DOT (DEPARTMENT OF TRANSPORTATION)

**PROPER SHIPPING NAME:** Corrosive Liquid, N.O.S. (Acrylamide-Acrylic Acid Copolymer)

**PRIMARY HAZARD CLASS/DIVISION:** 8

**UN/NA NUMBER:** UN 1760

**PACKING GROUP:** III

**OTHER SHIPPING INFORMATION:** DOT exception 173.154 - this product qualifies as a Consumer Commodity (ORM-D) when inner packaging does not exceed 1 gallons.

### 15. REGULATORY INFORMATION

#### UNITED STATES

#### SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

**FIRE:** No **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** No

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

#### CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

**CERCLA REGULATORY:** No components of this product are present above the de minimus levels.

### 16. OTHER INFORMATION

**REVISION SUMMARY:** New MSDS

# MATERIAL SAFETY DATA SHEET



Date Issued: 07/17/2008

MSDS No: Spa Choice Defense

Revision No: New MSDS

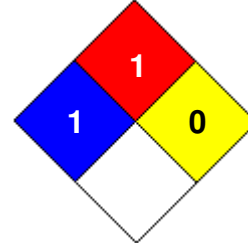
## Spa Choice Defense

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### HMIS RATING

HEALTH:	1
FLAMMABILITY:	1
PHYSICAL HAZARD:	0
PERSONAL PROTECTION:	

### NFPA CODES



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# MATERIAL SAFETY DATA SHEET



Date Issued: 07/17/2008  
 MSDS No: Spa Choice Foam Free  
 Revision No: New MSDS

## Spa Choice Foam Free

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Spa Choice Foam Free  
**GENERAL USE:** Spa and Swimming Pool Defoamer  
**PRODUCT DESCRIPTION:** Silicone emulsion

#### MANUFACTURER

Suncoast Chemicals Company  
 14480 62nd Street North  
 Clearwater FL 33760  
**Product Stewardship:** (727) 531-8913

#### DISTRIBUTOR

Suncoast Chemicals Company  
 14480 62nd Street North  
 Clearwater FL 33760  
**Product Stewardship:** (727) 531-8913

#### 24 HR. EMERGENCY TELEPHONE NUMBERS

Chem-Tel 24-Hour Emergency # (800) 255-3924

### 2. HAZARDS IDENTIFICATION

#### POTENTIAL HEALTH EFFECTS

- EYES:** May cause temporary redness and discomfort.  
**SKIN:** No significant irritation expected from short-term exposure.  
**INGESTION:** Low ingestion hazard in normal use.  
**INHALATION:** May cause mild irritation if exposed to spray or mist.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt. %
No hazardous materials as defined in OSHA Hazard Communication	100

### 4. FIRST AID MEASURES

- EYES:** Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if any adverse effect occurs.  
**SKIN:** No first aid needed.  
**INGESTION:** Treat according to person's condition and specifics of exposure.  
**INHALATION:** No first aid needed.

# MATERIAL SAFETY DATA SHEET



Date Issued: 07/17/2008

MSDS No: Spa Choice Foam Free

Revision No: New MSDS

## Spa Choice Foam Free

### 5. FIRE FIGHTING MEASURES

**FLASHPOINT AND METHOD:** > 100°C (212°F) CC

**FLAMMABLE LIMITS:** 0 to 0

**EXTINGUISHING MEDIA:** On large fires, use dry chemical, foam or water spray. On small fires, use carbon dioxide (CO<sub>2</sub>), dry chemical or water spray. Water can be used to cool fire exposed containers.

**EXPLOSION HAZARDS:** None known.

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

**FIRE FIGHTING EQUIPMENT:** Firefighters should wear self-contained breathing apparatus (SCBA) and full protective gear.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Thermal decomposition can produce carbon oxides and traces of incompletely burned carbon compounds, silicon dioxide, and formaldehyde.

### 6. ACCIDENTAL RELEASE MEASURES

**GENERAL PROCEDURES:** Determine whether to evacuate or isolate the area according to your local emergency plan. Observe all personal protection equipment recommendations. For large spills, provide diking or other appropriate containment to keep from spreading. If diked material can be pumped, store recovered material in appropriate container. Clean up remaining materials from spill with suitable absorbent. Clean area as appropriate since spilled materials, even in small quantities, may present a slip hazard. Final cleaning may require use of steam, solvents or detergents. Dispose of saturated absorbent or cleaning materials appropriately, since spontaneous heating may occur.

### 7. HANDLING AND STORAGE

**HANDLING:** Use with adequate ventilation. Avoid eye contact.

**STORAGE:** Use reasonable care and store away from oxidizing materials.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**ENGINEERING CONTROLS:** General ventilation is adequate.

#### PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** Safety glasses as a minimum.

**SKIN:** Wash thoroughly after handling.

**RESPIRATORY:** None normally required.

# MATERIAL SAFETY DATA SHEET



Date Issued: 07/17/2008

MSDS No: Spa Choice Foam Free

Revision No: New MSDS

## Spa Choice Foam Free

**PROTECTIVE CLOTHING:** No special protection needed.

**OTHER USE PRECAUTIONS:** Avoid eye contact. Use reasonable care.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**ODOR:** Slight.

**APPEARANCE:** White liquid.

**VAPOR PRESSURE:** Not Determined

**VAPOR DENSITY:** Not Determined.

**FREEZING POINT:** N/A

**FLASHPOINT AND METHOD:** > 100°C (212°F) CC

**EVAPORATION RATE:** < 1

**SPECIFIC GRAVITY:** 1.000

**VISCOSITY #1:** < 5000 CST

### 10. STABILITY AND REACTIVITY

**STABILITY:** Stable.

**POLYMERIZATION:** Will not occur.

**CONDITIONS TO AVOID:** None known.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Oxidizing material can cause a reaction.

**INCOMPATIBLE MATERIALS:** None known.

### 11. TOXICOLOGICAL INFORMATION

**COMMENTS:** None available.

### 12. ECOLOGICAL INFORMATION

**ENVIRONMENTAL DATA:** Not available.

**CHEMICAL FATE INFORMATION:** Not available.



# MATERIAL SAFETY DATA SHEET



Date Issued: 07/17/2008

MSDS No: Spa Choice Foam Free

Revision No: New MSDS

## Spa Choice Foam Free

### 13. DISPOSAL CONSIDERATIONS

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

**RCRA/EPA WASTE INFORMATION:** This product is not considered a hazardous waste as defined under the Resource Conservation and Recovery Act (RCRA).

### 14. TRANSPORT INFORMATION

**DOT (DEPARTMENT OF TRANSPORTATION)**

**PROPER SHIPPING NAME:** Not Regulated.

### 15. REGULATORY INFORMATION

#### UNITED STATES

##### SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

**FIRE:** No **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** No **CHRONIC:** No

**313 REPORTABLE INGREDIENTS:** None.

##### CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

**CERCLA REGULATORY:** Not considered hazardous.

##### TSCA (TOXIC SUBSTANCE CONTROL ACT)

**TSCA STATUS:** All ingredients are listed or exempt.

#### REGULATIONS

##### STATE REGULATIONS

Massachusetts:

7664-93-9 <0.1% Sulfuric Acid

New Jersey:

7732-18-5 >60% Water

63148-62-9 15-40% Polydimethylsiloxane

67762-90-7 1-5% Methylated silica

9004-67-5 1-5% Methylcellulose

Pennsylvania:

7732-18-5 >60% Water

63148-62-9 15-40% Polydimethylsiloxane

**CALIFORNIA PROPOSITION 65:** There are no chemicals present known to the State of California to cause cancer.

# MATERIAL SAFETY DATA SHEET



Date Issued: 07/17/2008

MSDS No: Spa Choice Foam Free

Revision No: New MSDS

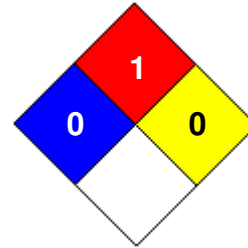
## Spa Choice Foam Free

RCRA STATUS: Not regulated.

### 16. OTHER INFORMATION

REVISION SUMMARY: New MSDS

#### NFPA CODES



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# MATERIAL SAFETY DATA SHEET



Date Issued: 10/15/2008

MSDS No: Spa Choice Increase Calcium (solution)

## Spa Choice Increase Calcium (solution)

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Spa Choice Increase Calcium (solution)**GENERAL USE:** Calcium Increaser

#### MANUFACTURER

Suncoast Chemicals Company  
 14480 62nd Street North  
 Clearwater FL 33760  
**Product Stewardship:** (727) 531-8913

#### DISTRIBUTOR

Suncoast Chemicals Company  
 14480 62nd Street North  
 Clearwater FL 33760  
**Product Stewardship:** (727) 531-8913

#### 24 HR. EMERGENCY TELEPHONE NUMBERS

Chem-Tel 24-Hour Emergency # (800) 255-3924

### 2. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

**IMMEDIATE CONCERNS:** Causes eye irritation. Prolonged exposure may cause skin burns. Slipping hazard. Isolate area.

#### POTENTIAL HEALTH EFFECTS

**EYES:** May cause severe eye irritation. May cause slight corneal injury. Effects may be slow to heal.

**SKIN:** Brief contact is essentially non-irritating to skin. May cause more severe response if skin is abraded (scratched or cut). May cause more severe response on covered skin (under clothing, gloves). Prolonged contact may cause skin burns.

**INGESTION:** Low toxicity if swallowed. Small amounts are not likely to cause injury. Swallowing larger amounts may cause injury. May result in gastrointestinal irritation.

**INHALATION:** Irritating to upper respiratory tract (nose and throat).

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS	EINECS
Calcium Chloride	35	010043-52-4	233-140-8
Water	0	007732-18-5	231-791-2

### 4. FIRST AID MEASURES

**EYES:** Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention, preferably with an

# MATERIAL SAFETY DATA SHEET



Date Issued: 10/15/2008

MSDS No: Spa Choice Increase Calcium (solution)

## Spa Choice Increase Calcium (solution)

ophthalmologist.

**SKIN:** Wash with plenty of water.

**INGESTION:** Do not induce vomiting. Seek medical attention.

**INHALATION:** Remove to fresh air.

### 5. FIRE FIGHTING MEASURES

**FLASHPOINT AND METHOD:** Not Available

**FLAMMABLE LIMITS:** 0 to 0

**EXTINGUISHING MEDIA:** Use extinguishing media appropriate for surrounding fire.

**EXPLOSION HAZARDS:** None.

**FIRE FIGHTING PROCEDURES:** Keep unnecessary people away, isolate area and deny entry. Water should be applied in large quantities as fine spray.

**FIRE FIGHTING EQUIPMENT:** Wear positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing. Avoid contact with material. If contact is likely, change to full chemical resistant firefighting clothing with self-contained breathing apparatus.

### 6. ACCIDENTAL RELEASE MEASURES

**GENERAL PROCEDURES:** Contain spilled material if possible. Absorb with materials such as sand. Collect in suitable and properly labeled containers. Flush residue with plenty of water.

**COMMENTS:** Material may cause a slipping hazard. Isolate area. Keep unnecessary and unprotected personnel from entering the area. Use appropriate safety equipment.

### 7. HANDLING AND STORAGE

**HANDLING:** Product shipped or handled hot can cause thermal burns. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling.

**STORAGE:** Keep container closed.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

# MATERIAL SAFETY DATA SHEET



Date Issued: 10/15/2008

MSDS No: Spa Choice Increase Calcium (solution)

## Spa Choice Increase Calcium (solution)

### EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)			
			EXPOSURE LIMITS
			SupplierOEL
Chemical Name			ppm
			mg/m <sup>3</sup>
Calcium Chloride	TWA	10 mg/	

**ENGINEERING CONTROLS:** General ventilation is sufficient for most conditions. Local exhaust may be necessary for some operations.

### PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** Wear chemical safety glasses or goggles.

**SKIN:** If hands are cut or scratched, use gloves chemically resistant to this material.

**RESPIRATORY:** Atmospheric levels should be maintained below the exposure guideline. When respiratory protection is required for certain operations, use an air-purifying respirator. In dusty or misty atmospheres, use an approved particulate respirator.

**PROTECTIVE CLOTHING:** Chemically-resistant clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Liquid

**ODOR:** None.

**pH:** 6.89

**VAPOR PRESSURE:** 9 - 15 mm Hg @ 25 deg C

**VAPOR DENSITY:** Similar to water.

**BOILING POINT:** 110°C (230°F) to 122°C (252°F)

**FLASHPOINT AND METHOD:** Not Available

**SOLUBILITY IN WATER:** Complete.

**SPECIFIC GRAVITY:** 1.350

## 10. STABILITY AND REACTIVITY

**STABILITY:** Stable.

**POLYMERIZATION:** Will not occur under normal temperatures.

**HAZARDOUS DECOMPOSITION PRODUCTS:** None known.

# MATERIAL SAFETY DATA SHEET



Date Issued: 10/15/2008

MSDS No: Spa Choice Increase Calcium (solution)

## Spa Choice Increase Calcium (solution)

**INCOMPATIBLE MATERIALS:** Avoid contact with sulfuric acid. Corrosive to some metals. Avoid contact with metals such as brass, ferrous metals, mild steel. Flammable hydrogen may be generated from contact with metals such as zinc, sodium.

### 11. TOXICOLOGICAL INFORMATION

#### ACUTE

**SKIN ABSORPTION:** > 5000 mg/kg (rabbits)

**ORAL LD<sub>50</sub>:** 900-2100 mg/kg (rat)

**GENETIC EFFECTS:** Results were negative.

### 12. ECOLOGICAL INFORMATION

**ECOTOXICOLOGICAL INFORMATION:** Material is practically non-toxic to aquatic organisms on an acute basis (LC50/EC50 is greater than 100 mg/L in the most sensitive species tested).

**CHEMICAL FATE INFORMATION:** Movement & Partitioning: No bioconcentration is expected because of the relatively high water solubility. Partitioning from water to n-octanol is not applicable.

Persistence and Degradability: Biodegradation is not applicable.

### 13. DISPOSAL CONSIDERATIONS

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

### 14. TRANSPORT INFORMATION

**DOT (DEPARTMENT OF TRANSPORTATION)**

**PROPER SHIPPING NAME:** Not Regulated.

### 15. REGULATORY INFORMATION

#### UNITED STATES

**SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)**

**FIRE:** No **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** No

**TSCA (TOXIC SUBSTANCE CONTROL ACT)**

# MATERIAL SAFETY DATA SHEET



Date Issued: 10/15/2008

MSDS No: Spa Choice Increase Calcium (solution)

## Spa Choice Increase Calcium (solution)

Chemical Name	CAS
Calcium Chloride	010043-52-4

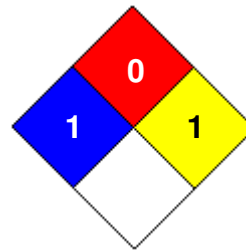
**TSCA STATUS:** All ingredients in this mixture are in compliance with TSCA.

**CALIFORNIA PROPOSITION 65:** There are no chemicals present known to the State of California to cause cancer.

### 16. OTHER INFORMATION

**REVISION SUMMARY:** New MSDS

#### NFPA CODES



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# MATERIAL SAFETY DATA SHEET



Date Issued: 07/01/2008

MSDS No: Spa Choice Increase pH

Revision No: New MSDS

## Spa Choice Increase pH

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Spa Choice Increase pH**GENERAL USE:** pH Increaser

#### MANUFACTURER

Suncoast Chemicals Company  
 14480 62nd Street North  
 Clearwater FL 33760

**Product Stewardship:** (727) 531-8913

#### DISTRIBUTOR

Suncoast Chemicals Company  
 14480 62nd Street North  
 Clearwater FL 33760

**Product Stewardship:** (727) 531-8913

#### 24 HR. EMERGENCY TELEPHONE NUMBERS

Chem-Tel 24-Hour Emergency # (800) 255-3924

### 2. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

**IMMEDIATE CONCERNS:** Irritating to the eyes. Continuous contact may irritate skin.

#### POTENTIAL HEALTH EFFECTS

**EYES:** Causes eye irritation.**SKIN:** Continuous contact causes skin irritation (red, dry, cracked skin).**INGESTION:** May be harmful if swallowed.**INHALATION:** Excessive levels of dust may irritate the mucous membranes and upper respiratory tract.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS	EINECS
Carbonic Acid, Disodium Salt	100	000497-19-8	207-838-8

### 4. FIRST AID MEASURES

**EYES:** Hold eyelids open and flush with a steady, gentle stream of water for at least 15 minutes. Seek immediate medical attention, preferably with an ophthalmologist.**SKIN:** Wash with soap and water. Get medical attention if irritation develops or persists.**INGESTION:** DO NOT INDUCE VOMITING. Rinse mouth with plenty of water. Slowly give 1 to 2 glasses of water. Never



# MATERIAL SAFETY DATA SHEET



Date Issued: 07/01/2008

MSDS No: Spa Choice Increase pH

Revision No: New MSDS

## Spa Choice Increase pH

give anything by mouth to an unconscious person. Get immediate medical attention.

**INHALATION:** Remove to fresh air. If breathing is difficult, get medical attention.

### 5. FIRE FIGHTING MEASURES

**FLASHPOINT AND METHOD:** Not combustible.

**FLAMMABLE LIMITS:** 0 to 0

**EXTINGUISHING MEDIA:** Water, fog, carbon dioxide, dry chemical.

**FIRE FIGHTING EQUIPMENT:** Firefighters should wear self-contained breathing apparatus (SCBA) and full protective gear.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Emits fumes of sodium oxide.

### 6. ACCIDENTAL RELEASE MEASURES

**GENERAL PROCEDURES:** Sweep up and recycle into process, if possible. Use appropriate equipment if dust is generated or contact with eyes is expected. Flush residues and liquid to holding area for neutralization before discharge.

### 7. HANDLING AND STORAGE

**GENERAL PROCEDURES:** Keep out of reach of children. Do not store with acids. Keep containers tightly closed. Store material in a cool and dry place.

**HANDLING:** Do not breathe dust. Avoid contact with skin and eyes.

**STORAGE:** Store in a cool dry place. Keep away from acids.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

# MATERIAL SAFETY DATA SHEET



Date Issued: 07/01/2008

MSDS No: Spa Choice Increase pH

Revision No: New MSDS

## Spa Choice Increase pH

### EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)					
		EXPOSURE LIMITS			
		OSHA PEL		Supplier OEL	
Chemical Name		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Carbonic Acid, Disodium Salt	TWA	[1]	[1]	NL	NL
	STEL			NL	NL
<b>Footnotes:</b> 1. NL = Not Listed					

**ENGINEERING CONTROLS:** Local exhaust.

### PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** Wear splash goggles.

**SKIN:** Impervious gloves.

**RESPIRATORY:** In dusty atmospheres use a NIOSH-approved dust respirator.

**PROTECTIVE CLOTHING:** Chemical resistant apron and arm-protector. If clothing becomes contaminated, remove and launder before reuse.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Solid

**APPEARANCE:** White granular.

**pH:** 11.4 1% solution.

**VAPOR PRESSURE:** N/A

**VAPOR DENSITY:** N/A.

**BOILING POINT:** Decomposes

**FREEZING POINT:** 851 °C (1564 °F)

**FLASHPOINT AND METHOD:** Not combustible.

**SOLUBILITY IN WATER:** 33.2% maximum

**SPECIFIC GRAVITY:** 2.509

## 10. STABILITY AND REACTIVITY

**STABILITY:** Stable.

# MATERIAL SAFETY DATA SHEET



Date Issued: 07/01/2008

MSDS No: Spa Choice Increase pH

Revision No: New MSDS

## Spa Choice Increase pH

**POLYMERIZATION:** Will not occur.

**CONDITIONS TO AVOID:** Contact with acids except under controlled conditions.

**INCOMPATIBLE MATERIALS:** Aluminum powder, acids, fluorine, molten lithium.

### 11. TOXICOLOGICAL INFORMATION

**EYE EFFECTS:** Severely irritating (rabbit).

**SKIN EFFECTS:** Non-irritant to intact skin. Minor irritant may occur to abraded skin.

**CHRONIC:** May cause severe irritations of the eyes including the corneal opacities.

#### CARCINOGENICITY

**Notes:** None of the components in this product are listed by IARC, NTP, OSHA or ACGIH as carcinogen.

**SENSITIZATION:** Non-sensitizer.

**TARGET ORGANS:** Eyes.

### 12. ECOLOGICAL INFORMATION

#### AQUATIC TOXICITY (ACUTE)

**96-HOUR LC<sub>50</sub>:** > 300 mg/L (Bluegill Sunfish)

### 13. DISPOSAL CONSIDERATIONS

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

### 14. TRANSPORT INFORMATION

#### DOT (DEPARTMENT OF TRANSPORTATION)

**PROPER SHIPPING NAME:** Not Regulated.

### 15. REGULATORY INFORMATION

**UNITED STATES**

# MATERIAL SAFETY DATA SHEET



Date Issued: 07/01/2008

MSDS No: Spa Choice Increase pH

Revision No: New MSDS

## Spa Choice Increase pH

### SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

**FIRE:** No **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** No

**SECTION 312 THRESHOLD PLANNING QUANTITY (40 CFR370):** 10000 lbs.

**313 REPORTABLE INGREDIENTS:** None.

### CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

**CERCLA REGULATORY:** Not listed.

### TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Carbonic Acid, Disodium Salt	000497-19-8

**TSCA STATUS:** All ingredients in this mixture are in compliance with TSCA.

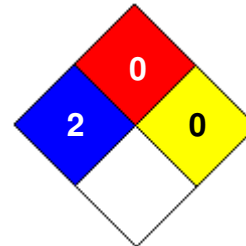
## 16. OTHER INFORMATION

**REVISION SUMMARY:** New MSDS

### HMIS RATING

<b>HEALTH:</b>	<input type="checkbox"/>	<b>2</b>
<b>FLAMMABILITY:</b>	<input type="checkbox"/>	<b>0</b>
<b>PHYSICAL HAZARD:</b>	<input type="checkbox"/>	<b>0</b>
<b>PERSONAL PROTECTION:</b>		

### NFPA CODES



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# MATERIAL SAFETY DATA SHEET



Date Issued: 07/01/2008  
 MSDS No: Spa Choice Metal Free  
 Date Revised: 06/13/2008  
 Revision No: 1

## Spa Choice Metal Free

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Spa Choice Metal Free  
**GENERAL USE:** Metal Control for Swimming Pools and Spas.

#### MANUFACTURER

Suncoast Chemicals Company  
 14480 62nd Street North  
 Clearwater FL 33760  
**Product Stewardship:** (727) 531-8913

#### DISTRIBUTOR

Suncoast Chemicals Company  
 14480 62nd Street North  
 Clearwater FL 33760  
**Product Stewardship:** (727) 531-8913

#### 24 HR. EMERGENCY TELEPHONE NUMBERS

Chem-Tel 24-Hour Emergency # (800) 255-3924

### 2. HAZARDS IDENTIFICATION

#### POTENTIAL HEALTH EFFECTS

**EYES:** Causes eye irritation.

**SKIN:** Causes skin irritation.

**INGESTION:** Ingestion is not expected to be a primary route of exposure.

**INHALATION:** May be harmful if inhaled. Do not breath spray mists of the undiluted product.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt. %
Proprietary Blend	0

### 4. FIRST AID MEASURES

**EYES:** Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention, preferably with an ophthalmologist.

**SKIN:** Wash exposed area with plenty of water. Repeat washing. Remove contaminated clothing and wash thoroughly before reuse. If irritation persists, consult a health care professional.

**INGESTION:** DO NOT INDUCE VOMITING. Rinse mouth with plenty of water or milk. Slowly give 1 to 2 glasses of water or milk. Never give anything by mouth to an unconscious person. Get immediate medical attention.

# MATERIAL SAFETY DATA SHEET



Date Issued: 07/01/2008  
MSDS No: Spa Choice Metal Free  
Date Revised: 06/13/2008  
Revision No: 1

## Spa Choice Metal Free

**INHALATION:** Immediately move person to fresh air. If individual experiences nausea, headache, dizziness, has difficulty in breathing or is cyanotic, seek immediate medical treatment.

### 5. FIRE FIGHTING MEASURES

**FLASHPOINT AND METHOD:** 100 °C

**EXTINGUISHING MEDIA:** Water fog, carbon dioxide, foam, dry chemical.

**FIRE FIGHTING EQUIPMENT:** Firefighters should wear self-contained breathing apparatus (SCBA) and full protective gear.

### 6. ACCIDENTAL RELEASE MEASURES

**COMMENTS:** Clean up spill immediately. Contain and/or absorb spill with inert material (e.g. sand or vermiculite). Flush spill area with water. Use appropriate containers to avoid environmental contamination.

### 7. HANDLING AND STORAGE

**HANDLING:** Keep out of reach of children.

**STORAGE:** Store in a cool dry place.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Local exhaust.

#### PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** Safety glasses with side shields or goggles.

**SKIN:** Rubber gloves.

**RESPIRATORY:** Provide dilution ventilation to control vapor and/or mist level. When misting occurs in the work area, a NIOSH/MSHA approved-respirator may be required.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Liquid

# MATERIAL SAFETY DATA SHEET



Date Issued: 07/01/2008  
MSDS No: Spa Choice Metal Free  
Date Revised: 06/13/2008  
Revision No: 1

## Spa Choice Metal Free

**ODOR:** Characteristic.

**APPEARANCE:** Blue liquid.

**pH:** to 1.34

**VAPOR PRESSURE:** Not Applicable

**VAPOR DENSITY:** Not Applicable

**BOILING POINT:** 100°C

**FREEZING POINT:** Not Applicable

**FLASHPOINT AND METHOD:** 100°C

**SOLUBILITY IN WATER:** Soluble in hot water, partial in cold.

**SPECIFIC GRAVITY:** 1.025

### 10. STABILITY AND REACTIVITY

**STABILITY:** Stable.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Oxides of phosphorous and carbon; acids of phosphorous.

**INCOMPATIBLE MATERIALS:** Strong oxidizers, strong acids and alkalis.

### 11. TOXICOLOGICAL INFORMATION

#### ACUTE

##### EYES:

**Notes:** Not available.

### 12. ECOLOGICAL INFORMATION

**GENERAL COMMENTS:** Not available.

### 13. DISPOSAL CONSIDERATIONS

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

# MATERIAL SAFETY DATA SHEET



Date Issued: 07/01/2008  
 MSDS No: Spa Choice Metal Free  
 Date Revised: 06/13/2008  
 Revision No: 1

## Spa Choice Metal Free

### 14. TRANSPORT INFORMATION

#### DOT (DEPARTMENT OF TRANSPORTATION)

**PROPER SHIPPING NAME:** Corrosive Liquid, Acidic, Organic, N.O.S. (1-Hydroxyethylidene diphosphonic Acid)

**PRIMARY HAZARD CLASS/DIVISION:** 8

**UN/NA NUMBER:** UN 3265

**PACKING GROUP:** III

**OTHER SHIPPING INFORMATION:** DOT exception 173.154 - this product qualifies as a Consumer Commodity (ORM-D) when inner packaging does not exceed 1 gallons.

### 15. REGULATORY INFORMATION

#### UNITED STATES

#### SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

**311/312 HAZARD CATEGORIES:** Hazard Categories: Health: Immediate (Acute) Health Hazard

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

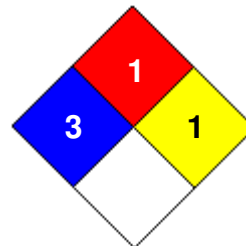
### 16. OTHER INFORMATION

**REVISION SUMMARY:** Revision #: 1 This MSDS replaces the June 13, 2008 MSDS. Any changes in information are as follows: In Section 14 DOT UN/NA Number

#### HMIS RATING

HEALTH:	☐	3
FLAMMABILITY:		1
PHYSICAL HAZARD:		1
PERSONAL PROTECTION:		

#### NFPA CODES



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# MATERIAL SAFETY DATA SHEET



Date Issued: 07/01/2008

MSDS No: Spa Choice Reduce pH (Solution)

Revision No: New MSDS

## Spa Choice Reduce pH (Solution)

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Spa Choice Reduce pH (Solution)**GENERAL USE:** pH Decreaser

#### MANUFACTURER

Suncoast Chemicals Company  
 14480 62nd Street North  
 Clearwater FL 33760  
**Product Stewardship:** (727) 531-8913

#### DISTRIBUTOR

Suncoast Chemicals Company  
 14480 62nd Street North  
 Clearwater FL 33760  
**Product Stewardship:** (727) 531-8913

#### 24 HR. EMERGENCY TELEPHONE NUMBERS

Chem-Tel 24-Hour Emergency # (800) 255-3924

### 2. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

**IMMEDIATE CONCERNS:** Causes eye irritation. May cause skin and respiratory tract irritation. Avoid contact with eyes and skin. Avoid breathing dust. Wash exposed skin thoroughly after handling.

#### POTENTIAL HEALTH EFFECTS

**EYES:** Causes eye irritation.**SKIN:** Causes skin irritation.**INGESTION:** Harmful if swallowed.**INHALATION:** Causes respiratory tract irritation.

#### SIGNS AND SYMPTOMS OF OVEREXPOSURE

**CARCINOGENICITY:** Not listed by NTP, IARC or OSHA.**MEDICAL CONDITIONS AGGRAVATED:** Pre-existing respiratory conditions.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS	EINECS
Sulfuric Acid, Monosodium Salt	25 - 30	007681-38-1	231-665-7
Water	70 - 75	007732-18-5	231-791-2

**COMMENTS:** Common Name: Sodium Bisulfate

# MATERIAL SAFETY DATA SHEET



Date Issued: 07/01/2008

MSDS No: Spa Choice Reduce pH (Solution)

Revision No: New MSDS

## Spa Choice Reduce pH (Solution)

### 4. FIRST AID MEASURES

**EYES:** Hold eyelids apart and immediately flush with plenty of water for at least 15 minutes. Call a physician immediately.

**SKIN:** Immediately wash skin with soap and plenty of water. Remove contaminated clothing and shoes.

**INGESTION:** DO NOT INDUCE VOMITING. Immediately give 2 glasses of water. Never give anything by mouth to an unconscious person. Call a physician.

**INHALATION:** Remove victim to fresh air. If breathing is difficult, administer oxygen. Call a physician.

### 5. FIRE FIGHTING MEASURES

**FLASHPOINT AND METHOD:** Not combustible.

**FLAMMABLE LIMITS:** 0 to 0

**EXTINGUISHING MEDIA:** Use extinguishing media appropriate for surrounding fire.

**FIRE FIGHTING EQUIPMENT:** Firefighters should wear self-contained breathing apparatus (SCBA) and full protective gear. Water can be used to cool and protect exposed material.

**HAZARDOUS DECOMPOSITION PRODUCTS:** At temperatures above 570 deg F hazardous fumes of oxides of sulfur and sulfur trioxide are evolved.

### 6. ACCIDENTAL RELEASE MEASURES

**GENERAL PROCEDURES:** Contain spilled material if possible. Absorb with materials such as sand. Collect in suitable and properly labeled containers. Flush residue with plenty of water.

### 7. HANDLING AND STORAGE

**GENERAL PROCEDURES:** Use adequate personal protection. This material is irritating. Avoid contact with eyes.

**HANDLING:** Keep containers tightly closed. Keep out of reach of children.

**STORAGE:** Store in a cool dry place.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

# MATERIAL SAFETY DATA SHEET



Date Issued: 07/01/2008

MSDS No: Spa Choice Reduce pH (Solution)

Revision No: New MSDS

## Spa Choice Reduce pH (Solution)

### EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)							
		EXPOSURE LIMITS					
		OSHA PEL		ACGIH TLV		SupplierOEL	
Chemical Name		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Sulfuric Acid, Monosodium Salt	TWA	ppm <sup>[1]</sup>	mg/m <sup>3</sup> <sup>[1]</sup>	ppm	mg/m <sup>3</sup>	NL ppm	NL mg/m <sup>3</sup>
	STEL	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	NL ppm	NL mg/m <sup>3</sup>

#### Footnotes:

1. This material meets the definition as an Irritant as defined in OSHA's Hazard Communication Standard.

**ENGINEERING CONTROLS:** Local exhaust.

#### PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** Safety glasses with side shields or goggles.

**SKIN:** Chemical-resistant gloves.

**RESPIRATORY:** None normally required.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Liquid

**ODOR:** Slightly acidic.

**APPEARANCE:** Clear.

**pH:** < 1.0

**VAPOR PRESSURE:** N/A

**VAPOR DENSITY:** N/A.

**BOILING POINT:** Not Known

**MELTING POINT:** 350 °C (177 °F)

**FLASHPOINT AND METHOD:** Not combustible.

**SOLUBILITY IN WATER:** Complete.

**SPECIFIC GRAVITY:** 1.230

## 10. STABILITY AND REACTIVITY

**STABILITY:** Stable.

# MATERIAL SAFETY DATA SHEET



Date Issued: 07/01/2008

MSDS No: Spa Choice Reduce pH (Solution)

Revision No: New MSDS

## Spa Choice Reduce pH (Solution)

**POLYMERIZATION:** Will not occur.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Sulfur dioxide and sulfur trioxide are formed when heated over 570 deg F.

### 11. TOXICOLOGICAL INFORMATION

**ACUTE**

**ORAL LD<sub>50</sub>:** > 5 g/kg (rat)

### 12. ECOLOGICAL INFORMATION

**COMMENTS:** None available.

### 13. DISPOSAL CONSIDERATIONS

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

### 14. TRANSPORT INFORMATION

**DOT (DEPARTMENT OF TRANSPORTATION)**

**PROPER SHIPPING NAME:** Corrosive Liquid, N.O.S. (Sodium Bisulfate, Aqueous Solution)

**PRIMARY HAZARD CLASS/DIVISION:** 8

**UN/NA NUMBER:** UN 1760

**PACKING GROUP:** III

**OTHER SHIPPING INFORMATION:** DOT exception 173.154 - this product qualifies as a Consumer Commodity (ORM-D) when inner packaging does not exceed 1 gallons.

### 15. REGULATORY INFORMATION

**UNITED STATES**

**SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)**

**313 REPORTABLE INGREDIENTS:** None.

**CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)**

# MATERIAL SAFETY DATA SHEET



Date Issued: 07/01/2008

MSDS No: Spa Choice Reduce pH (Solution)

Revision No: New MSDS

## Spa Choice Reduce pH (Solution)

CERCLA RQ: No.

### TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Sulfuric Acid, Monosodium Salt	007681-38-1
Water	007732-18-5

**TSCA REGULATORY:** All components are listed on the TSCA Inventory.

**CALIFORNIA PROPOSITION 65:** There are no chemicals present known to the State of California to cause cancer.

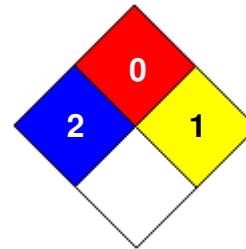
## 16. OTHER INFORMATION

**REVISION SUMMARY:** New MSDS

### HMIS RATING

HEALTH:	2
FLAMMABILITY:	0
PHYSICAL HAZARD:	1
PERSONAL PROTECTION:	

### NFPA CODES



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# MATERIAL SAFETY DATA SHEET



Date Issued: 07/01/2008  
 MSDS No: Spa Choice Re-Energize  
 Date Revised: 10/14/2008  
 Revision No: 2

## Spa Choice Re-Energize

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Spa Choice Re-Energize  
**GENERAL USE:** Oxidizer  
**PRODUCT DESCRIPTION:** Potassium Monopersulfate Compound (Peroxygen Salt)

#### MANUFACTURER

Suncoast Chemicals Company  
 14480 62nd Street North  
 Clearwater FL 33760  
**Product Stewardship:** (727) 531-8913

#### DISTRIBUTOR

Suncoast Chemicals Company  
 14480 62nd Street North  
 Clearwater FL 33760  
**Product Stewardship:** (727) 531-8913

#### 24 HR. EMERGENCY TELEPHONE NUMBERS

Chem-Tel 24-Hour Emergency # (800) 255-3924

### 2. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

**PHYSICAL APPEARANCE:** White granular product

**IMMEDIATE CONCERNS:** This product is a skin and eye corrosive, and a nose and throat irritant. May cause allergic skin reactions in sensitive individuals. Ingestion may cause inflammation and damage to the lining of the stomach, resulting in bleeding.

#### POTENTIAL HEALTH EFFECTS

**EYES:** May cause eye corrosion or ulceration. Severe eye damage may result if not immediately treated.

**SKIN:** Corrosive to skin. Skin contact with aqueous solutions or the dry powder upon contact with moisture or perspiration may cause skin burns or ulceration. Temporary body hair loss may occur in contacted areas. Skin contact with the product may cause allergic skin reactions in sensitive individuals.

**INGESTION:** May cause gastritis, possibly progressing to necrosis or hemorrhage.

**INHALATION:** May cause nose bleeds and irritation of the upper respiratory passages with coughing and discomfort.

#### SIGNS AND SYMPTOMS OF OVEREXPOSURE

**CARCINOGENICITY:** None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA, or ACGIH as a carcinogen.

**MEDICAL CONDITIONS AGGRAVATED:** Individuals with pre-existing conditions of the skin or gastrointestinal tract may have increased susceptibility to the toxicity of excessive exposures.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

# MATERIAL SAFETY DATA SHEET



Date Issued: 07/01/2008  
 MSDS No: Spa Choice Re-Energize  
 Date Revised: 10/14/2008  
 Revision No: 2

## Spa Choice Re-Energize

Chemical Name	Wt.%	CAS	EINECS
Magnesium Carbonate	2	000546-93-0	208-915-9
Potassium Bisulfate	23	007646-93-7	231-594-1
Potassium Peroxydisulfate	3	007727-21-1	231-781-8
Potassium Peroxymonosulfate	43	010058-23-8	233-187-7
Potassium Sulfate	29	007778-80-5	231-915-5

### 4. FIRST AID MEASURES

**EYES:** Hold eyelids apart and immediately flush with plenty of water for at least 15 minutes. Call a physician immediately.

**SKIN:** Immediately flush skin with plenty of water for at least 15 minutes, while removing contaminated clothing and shoes. Call a physician. Wash contaminated clothing before reuse.

**INGESTION:** DO NOT INDUCE VOMITING. Immediately give 2 glasses of water. Never give anything by mouth to an unconscious person. Call a physician.

**INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

### 5. FIRE FIGHTING MEASURES

**FLASHPOINT AND METHOD:** Will not burn.

**FLAMMABLE LIMITS:** 0 to 0

**EXTINGUISHING MEDIA:** Water. Do not use carbon dioxide or other gas-filled fire extinguishers. They will have no effect on decomposing persulfates.

**EXPLOSION HAZARDS:** Improper storage of large masses of this product can trap heat and lead to ignition of combustibles. Grinding or intensive mixing may cause decomposition with liberation of heat and oxygen; ignition of oxidizing material, if present, may occur.

**FIRE FIGHTING PROCEDURES:** Will release oxygen when heated, intensifying a fire. Acidic mist may be present. Self contained breathing apparatus should be used.

### 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Sweep up thoroughly. Flush area with low pressure water.

# MATERIAL SAFETY DATA SHEET



Date Issued: 07/01/2008  
 MSDS No: Spa Choice Re-Energize  
 Date Revised: 10/14/2008  
 Revision No: 2

## Spa Choice Re-Energize

### 7. HANDLING AND STORAGE

**HANDLING:** Do not inhale. Do not get in eyes, on skin or clothing. Wash thoroughly after handling. Wash clothing after use.

**STORAGE:** Store in a cool, dry, well-ventilated area away from heat sources.

**LOADING TEMPERATURE:** Replace the lid on plastic pails when they are not in use to prevent contamination and extend shelf life.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)					
		EXPOSURE LIMITS			
		OSHA PEL		ACGIH TLV	
Chemical Name		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Magnesium Carbonate	TWA		15T, 5	NIC	(10)
Potassium Peroxydisulfate	TWA				0.1

**ENGINEERING CONTROLS:** Local exhaust.

#### PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** Wear safety glasses with side shields.

**SKIN:** Where there is potential for skin contact, wear impervious gloves, apron, pants and jacket.

**RESPIRATORY:** A NIOSH-approved air purifying respirator with an appropriate particulate cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. 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.

**COMMENTS:** NOTE: EXPOSURE LIMIT OF MONPERSULFATE COMPOUND

PEL = Particulates (Not Otherwise Regulated) 15 mg/m<sup>3</sup>, 8 Hr. TWA, total dust  
 TLV = None established.

AEL (Manufacturer's recommended exposure limit) Oxone Monopersulfate Compound - 1 mg/m<sup>3</sup>; Total Dust, 8 & 12 hr TWA. Potassium Sulfate - 10 mg/m<sup>3</sup>, 8 hr. TWA.

### 9. PHYSICAL AND CHEMICAL PROPERTIES



# MATERIAL SAFETY DATA SHEET



Date Issued: 07/01/2008  
MSDS No: Spa Choice Re-Energize  
Date Revised: 10/14/2008  
Revision No: 2

## Spa Choice Re-Energize

**PHYSICAL STATE:** Solid

**ODOR:** Mild chlorine.

**APPEARANCE:** White granular.

**pH:** 2.3 (1% solution)

**VAPOR PRESSURE:** None

**VAPOR DENSITY:** Not volatile.

**BOILING POINT:** @ 760 mm Hg - decomposes

**MELTING POINT:** Decomposes

**FLASHPOINT AND METHOD:** Will not burn.

**EVAPORATION RATE:** Not volatile.

**SPECIFIC GRAVITY:** 1.000 to 1.400

**(VOC):** 100.000

## 10. STABILITY AND REACTIVITY

**HAZARDOUS POLYMERIZATION:** No

**STABILITY:** Stable when handled and stored as indicated.

**CONDITIONS TO AVOID:** May be unstable at temperatures above 170 deg C (338 deg F). Avoid storage at temperatures above 52 deg C (125 deg F). Prevent ingress of humidity and moisture into container or package. Always close the lid.

**POSSIBILITY OF HAZARDOUS REACTIONS:** Decomposes when heated or dampened, releasing oxygen and heat of decomposition.

**INCOMPATIBLE MATERIALS:** The mixture of this product with compounds containing halides or active halogens (bromine, chlorine, iodine) can cause the release of the respective halogen gas, if moisture is present. Avoid these gases (bromine and chlorine) because they are very irritating to eyes and lungs even at low concentrations. Never mix this product with dry or concentrate bromine-containing chemicals such as bromates, bromides, or any concentrated bromine pool chemicals. Mixing this product with dry chlorine chemicals such as hypochlorites, sodium dichloroisocyanurate (dichlor), sodium trichloroisocyanurate (trichlor) or with sodium chloride (salt), may cause the release of chlorine gas.

Mixing with cyanides can cause release of hydrogen cyanide gas. Mixing with heavy metal salts such as those of cobalt, nickel, copper, or manganese can cause decomposition with release of oxygen and heat.

## 11. TOXICOLOGICAL INFORMATION

# MATERIAL SAFETY DATA SHEET



Date Issued: 07/01/2008  
 MSDS No: Spa Choice Re-Energize  
 Date Revised: 10/14/2008  
 Revision No: 2

## Spa Choice Re-Energize

### ACUTE

**SKIN ABSORPTION:** > 11000 mg/kg (rabbits)

**ORAL LD<sub>50</sub>:** 200-2000 mg/kg (rat)

**INHALATION LC<sub>50</sub>:** > 5 mg/L (4 hour)

**Notes:** In rats.

**EYE EFFECTS:** This product is a severe eye irritant in animals.

**SKIN EFFECTS:** This product is a severe skin irritant in animals, but not a skin sensitizer.

## 12. ECOLOGICAL INFORMATION

### AQUATIC TOXICITY (ACUTE)

**96-HOUR LC<sub>50</sub>:** 53 mg/L (Rainbow Trout)

**48-HOUR EC<sub>50</sub>:** 3.5 mg/L (Daphnia Magna)

## 13. DISPOSAL CONSIDERATIONS

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

## 14. TRANSPORT INFORMATION

### DOT (DEPARTMENT OF TRANSPORTATION)

**PROPER SHIPPING NAME:** Corrosive Solid, Acidic, Inorganic, N.O.S. (monopersulfate compound)

**PRIMARY HAZARD CLASS/DIVISION:** 8

**UN/NA NUMBER:** UN 3260

**PACKING GROUP:** II

**OTHER SHIPPING INFORMATION:** DOT exception 173.154 - this product qualifies as a Consumer Commodity (ORM-D) when inner packaging does not exceed 2.2 lbs and outer packaging does not exceed 66 lbs.

## 15. REGULATORY INFORMATION

### UNITED STATES

#### SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

**311/312 HAZARD CATEGORIES:** Not listed.

# MATERIAL SAFETY DATA SHEET



Date Issued: 07/01/2008  
 MSDS No: Spa Choice Re-Energize  
 Date Revised: 10/14/2008  
 Revision No: 2

## Spa Choice Re-Energize

**FIRE:** No **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** No

### CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

**CERCLA REGULATORY:** Not listed.

### TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Magnesium Carbonate	000546-93-0
Potassium Bisulfate	007646-93-7
Potassium Peroxydisulfate	007727-21-1
Potassium Peroxymonosulfate	010058-23-8
Potassium Sulfate	007778-80-5

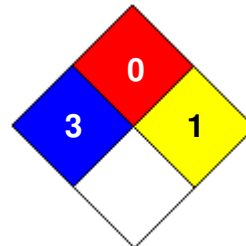
## 16. OTHER INFORMATION

**REVISION SUMMARY:** Revision #: 2. This MSDS replaces the June 13, 2008 MSDS.

### HMIS RATING

<b>HEALTH:</b>	<b>3</b>
<b>FLAMMABILITY:</b>	<b>0</b>
<b>PHYSICAL HAZARD:</b>	<b>1</b>
<b>PERSONAL PROTECTION:</b>	

### NFPA CODES



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# MATERIAL SAFETY DATA SHEET



Date Issued: 07/28/2008  
 MSDS No: Spa Choice Spa Fragrances  
 Date Revised: 10/29/2008  
 Revision No: 1

## Spa Choice Spa Fragrances

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Spa Choice Spa Fragrances  
**GENERAL USE:** Spa Fragrance  
**PRODUCT DESCRIPTION:** Spa Fragrance

#### MANUFACTURER

Suncoast Chemicals Company  
 14480 62nd Street North  
 Clearwater FL 33760  
**Product Stewardship:** (727) 531-8913

#### DISTRIBUTOR

Suncoast Chemicals Company  
 14480 62nd Street North  
 Clearwater FL 33760  
**Product Stewardship:** (727) 531-8913

#### 24 HR. EMERGENCY TELEPHONE NUMBERS

Chem-Tel 24-Hour Emergency # (800) 255-3924

### 2. HAZARDS IDENTIFICATION

#### POTENTIAL HEALTH EFFECTS

**EYES:** None reported.

**SKIN:** None reported.

**INGESTION:** None reported.

**INHALATION:** None reported.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS	EINECS
Water	007732-18-5	231-791-2
1,2,3- Propanetriol	000056-81-5	200-289-5
1,2-propanediol	000057-55-6	200-338-0
Fragrance		
Siloxanes And Silicones, Di-me	063148-62-9	xxx-xxx-x
May contain FD&C Red 40; FD&C Red 33; FD&C Blue 1; FD&C Yellow 5; and/or FD&C Yellow 6.		

# MATERIAL SAFETY DATA SHEET



Date Issued: 07/28/2008  
MSDS No: Spa Choice Spa Fragrances  
Date Revised: 10/29/2008  
Revision No: 1

## Spa Choice Spa Fragrances

### 4. FIRST AID MEASURES

**EYES:** Immediately irrigate the eye for five minutes.

**SKIN:** Not applicable.

**INGESTION:** Not applicable.

**INHALATION:** Not applicable.

### 5. FIRE FIGHTING MEASURES

**FLASHPOINT AND METHOD:** No data.

**FLAMMABLE LIMITS:** 0 to 0

**EXTINGUISHING MEDIA:** Flood with water or use carbon dioxide, foam, or dry chemical.

### 6. ACCIDENTAL RELEASE MEASURES

**GENERAL PROCEDURES:** Clean up with soap and water.

### 7. HANDLING AND STORAGE

**HANDLING:** Exercise reasonable care and caution.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**ENGINEERING CONTROLS:** No special ventilation requirements.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**VAPOR DENSITY:** N/A.

**BOILING POINT:** N/A

**FLASHPOINT AND METHOD:** No data.

**SOLUBILITY IN WATER:** Complete.

# MATERIAL SAFETY DATA SHEET



Date Issued: 07/28/2008  
MSDS No: Spa Choice Spa Fragrances  
Date Revised: 10/29/2008  
Revision No: 1

## Spa Choice Spa Fragrances

**EVAPORATION RATE:** N/A.

**SPECIFIC GRAVITY:** 1.035 to 1.038 at 25°C

### 10. STABILITY AND REACTIVITY

**STABILITY:** Stable.

### 11. TOXICOLOGICAL INFORMATION

**COMMENTS:** None available.

### 12. ECOLOGICAL INFORMATION

**COMMENTS:** None available.

### 13. DISPOSAL CONSIDERATIONS

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

### 14. TRANSPORT INFORMATION

**DOT (DEPARTMENT OF TRANSPORTATION)**

**PROPER SHIPPING NAME:** Not Regulated.

### 15. REGULATORY INFORMATION

**COMMENTS** None

### 16. OTHER INFORMATION

**REVISION SUMMARY:** Revision #: 1. This MSDS replaces the July 29, 2008 MSDS.

# MATERIAL SAFETY DATA SHEET



Date Issued: 07/28/2008

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Date Revised: 10/29/2008

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