

# Safety Data Sheet

## 1. Product and Company Identification

Effective Date: 08/21/2014

Revision: 01

### Comfort Line pH Down

Principal Use: pH adjustment

Description: Off-white granular material

### N. Jonas and Co., Inc.

4520 Adams Circle  
P.O. Box 425  
Bensalem, PA 19020-0425

Telephone: (215) 639-8071

Only in the Event of a Transportation Emergency Involving Spills, Leaks, Fires or Accidents, call CHEMTREC at (800) 424-9300.

## 2. Hazards Identification

### Emergency Overview

Appearance: Off-white granular material.

Physical Hazards: None

Health Hazards: Irritant (eye, skin and respiratory tract)

\* Hazard summary defined by OSHA Hazard Comm. Std., 29 CFR 1910.1200.

### Potential Health Effects:

General: This health hazard assessment based on information from commercial and scientific literature.

Ingestion: Small amounts (tablespoonful) swallowed are not likely to cause injury; however, swallowing large amounts may irritate or burn digestive tract.

Eye Contact: Causes mild to severe irritation. May cause burn if not flushed with water.

Skin Contact: Prolonged exposure may cause moderate irritation. May cause burns if not flushed with water.

Skin Absorption: This product will probably not be absorbed through human skin.

Inhalation: Inhalation of dust may irritate or burn nose, throat and lungs.

## 3. Composition/Information on Ingredients

<u>Ingredients:</u>	<u>%(w/w)</u>	<u>OSHA PEL</u>
Sodium bisulfate (CAS 7681-38-1)	91.5 - 94	Not listed
Sodium sulfate (CAS 7757-82-6)	4.8 - 8.0	Not listed
Moisture	0.1 - 0.5	Not listed

Ingredients not precisely identified are proprietary or non hazardous. Values are not product specifications.

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## 4. First Aid Measures:

<b><u>First Aid - Eyes:</u></b>	Immediately flush eyes with water for at least 15 minutes, lifting eyelids to thoroughly flush. If redness or irritation persists, get prompt medical attention.
<b><u>First Aid - Skin:</u></b>	Immediately flush affected area with water for at least 15 minutes. If burns occur, seek immediate medical attention.
<b><u>First Aid - Ingestion:</u></b>	Do not induce vomiting. If large amounts are ingested (greater than tablespoonful), drink large quantities of milk or water. Follow with Milk of Magnesia, beaten eggs or vegetable oil. Contact physician immediately.
<b><u>First Aid - Inhalation:</u></b>	Remove to fresh air. If irritation or discomfort persists, seek medical attention.

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## 5. Fire Fighting Measures

<b><u>Flashpoint and Method:</u></b>	Will not flash.
<b><u>Autoignition Temperature:</u></b>	Not applicable
<b>Flammable Limits:</b>	Not applicable
<b>General Hazards:</b>	Material will readily dissolve in water to form a weak acid solution.
<b>Firefighting Instructions:</b>	Use extinguishing media appropriate for surrounding fire. Because material will readily dissolve in water to form a weak acid solution, avoid water contact with material if possible.
<b>Firefighting Equipment:</b>	Product readily dissolves in water to form a weak acid solution. If using water, wear acid protective equipment. No gases or toxic fumes are emitted from this reaction. However, if elevated temperatures (806 deg. F.) are reached, self-contained breathing apparatus should be worn.
<b>Haz Combustion Products:</b>	At temperatures over 800 deg. F. (430 deg. C.), product will decompose generating oxides of sulfur.

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## 6. Accidental Release Measures

<b>Spill Measures:</b>	Wear skin, eye and respiratory protective equipment. Vacuum or shovel up material and place in disposal container. Avoid excessive dust generation. Dilute residual material with ample supply of water and direct to sanitary sewer if Federal, State or local regulations permit.
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## 7. Handling and Storage

<b>Handling:</b>	Wear skin, eye and respiratory protective equipment when handling. Avoid contact with eyes. Wash thoroughly after handling. Minimize dust generation. Avoid breathing dust.
<b>Storage:</b>	Material is hygroscopic and will readily absorb moisture. Keep container tightly closed. Do not store where exposed to moist conditions. Do not store near strong alkalis.

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## 8. Exposure Controls/Personal Protection

<b><u>Exposure Guidelines:</u></b>	No ACGIH TLV or OSHA PEL assigned to this mixture. Minimize exposure in accordance with good industrial hygiene practice.
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Engineering Controls:	Use ventilation adequate to maintain safe levels. Provide eyewash station and safety shower in work area.
Respiratory Protection:	In dusty atmospheres (>10 mg/m <sup>3</sup> ), use NIOSH-approved dust respirator.
Protective Clothing:	Rubber gloves and cotton-blend coveralls.
Eye Protection:	Safety glasses or goggles.

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## 9. Chemical and Physical Properties

<u>Appearance:</u>	Off-white granular material.
<u>Boiling Point:</u>	Not applicable
Vapor Pressure:	No data
Vapor Density:	No data
Solubility in Water:	1080 g/l @ 20 deg. C.
pH:	<1 (5% aqueous solution)
Specific Gravity - Density:	80 - 85 lbs/ft <sup>3</sup> (loose)
% Volatile:	No data

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## 10. Stability and Reactivity

Stability Text:	Stable under normal conditions. However, do not store dry product where exposed to moist conditions.
Incompatibility:	Avoid contact with strong alkaline material such as caustic. Dissolves readily in water to form a weak acid solution. Do not mix with liquid chlorine bleach, ammonia cleansers or similar products.
<u>Haz. Decomposition Products:</u>	Sulfur dioxide and sulfur trioxide are formed if heated over 806 deg. F. (430 deg. C.).
Haz Polymerization Products:	Will not occur.

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## 11. Toxicological Information

### Possible Human Health Effects:

Inhalation Tox:	Inhalation of dust may irritate or burn nose, throat and lungs.
<u>Skin Contact:</u>	Prolonged exposure may cause moderate irritation. May cause burns if not flushed with water.
<u>Eye Contact:</u>	Causes mild to severe irritation. May cause burn if not flushed with water.
Ingestion Tox:	Small amounts (tablespoonful) swallowed are not likely to cause injury; however, swallowing large amounts may irritate or burn digestive tract.
Other Effects of Overexposure:	Pre-existing respiratory conditions may be aggravated by exposure.
Note to Physician:	Not applicable

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## 12. Ecological Information

Ecological Info:	This product readily dissolves in water to form a weak acid solution. A 0.05 percent or greater (by weight) solution of this product will likely be acutely harmful to aquatic life. Material
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will decompose in soil.

## 13. Disposal Consideration

Disposal Method:

Discarded product is not a hazardous waste under RCRA, 40 CFR 261.

Container Disposal:

Empty container retains product residue. Remove all product residue from container and puncture or otherwise destroy container before disposal.

## 14. Transport Information

DOT Hazard Description:

Not regulated

## 15. Regulatory Information

TSCA (Toxic Substances Control Act) Regulations, 40 CFR 710:

All ingredients are listed on the TSCA Chemical Substances Inventory.

CERCLA and SARA Regulations (40 CFR 355, 370, 372):

This product does not contain any chemicals subject to the reporting requirements under CERCLA.

California Proposition 65:

None

## 16. Other Information

The information herein is given in good faith, but no warranty, expressed or implied, is made.

HMIS and NFPA Ratings

<u>Hazard:</u>	<u>HMIS Ratings:</u>	<u>NFPA Ratings:</u>
<u>Health:</u>	1	1
<u>Flammability:</u>	0	0
<u>Reactivity:</u>	0	0

HMIS and NFPA Hazard Rating Codes:

0 - Least    1 - Slight    2 - Moderate    3 - High    4 - Severe

NOTE: These HMIS and NFPA Ratings are for "new" product. See appropriate sections of this MSDS for specific hazard information and safe handling instructions

# Safety Data Sheet

## 1. Product and Company Identification

Effective Date: 08/21/2014

Revision: 01

### QCA Spa Bright

Principal Use: Stain remover

Description: Light yellow liquid

### N. Jonas and Co., Inc.

4520 Adams Circle  
P.O. Box 425  
Bensalem, PA 19020-0425

Telephone: (215) 639-8071

Only in the Event of a Transportation Emergency Involving Spills, Leaks, Fires or Accidents, call CHEMTREC at (800) 424-9300.

## 2. Hazards Identification

### Emergency Overview

Appearance: Light yellow liquid

Physical Hazards: Corrosive

Health Hazards: Irritant to skin, eyes and respiratory passages.

\* Hazard summary defined by OSHA Hazard Comm. Std., 29 CFR 1910.1200.

### Potential Health Effects:

General: This health hazard assessment based on information from commercial and scientific literature.

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

Eye Contact: Very hazardous in case of eye contact (irritant, corrosive). Inflammation of the eye is characterized by redness, watering and itching.

Skin Contact: Hazardous in case of skin contact (irritant). Non-corrosive for skin. Skin contact may produce burns. Skin inflammation is characterized by itching, scaling, reddening, or occasionally blistering.

Skin Absorption: Non-sensitizer for skin.

Inhalation: May be harmful if inhaled. Effects will depend upon solution strength and length of time of exposure.

## 3. Composition/Information on Ingredients

<u>Ingredients:</u>	<u>%(w/w)</u>	<u>OSHA PEL</u>
2-phosphono-1,2,4-butanetricarboxylic acid	10%	Not listed
H2O	90%	

Ingredients not precisely identified are proprietary or non hazardous. Values are not product specifications

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## 4. First Aid Measures:

<u>First Aid - Eyes:</u>	Flush immediately with large amounts of tap water or normal saline (minimum of 15 minutes). Take exposed person to a health care professional, preferably an ophthalmologist, for further evaluation.
<u>First Aid - Skin:</u>	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.
<u>First Aid - Ingestion:</u>	DO NOT INDUCE VOMITING. Rinse with large amounts of water or milk, first. Irrigate the esophagus and dilute stomach contents by slowly giving 1 or 2 glasses of water or milk. Avoid giving alcohol or alcohol related products. In cases where the person is semi-comatose, comatose or convulsing, do not give fluids by mouth. In case of intentional ingestion of the product, seek medical assistance. Take person to the nearest medical facility.
<u>First Aid - Inhalation:</u>	If exposure by inhalation is suspected, immediately move exposed person to fresh air. If person experiences nausea, headache, dizziness, has difficulty in breathing or is cyanotic, seek a health care professional immediately.

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## 5. Fire Fighting Measures

<u>Flashpoint and Method:</u>	Will not flash.
<u>Autoignition Temperature:</u>	Not applicable
<u>Flammable Limits:</u>	Not applicable
<u>General Hazards:</u>	Prevent human exposure to fire, smoke, flames or products of combustion.
<u>Firefighting Instructions:</u>	Use water fog, carbon dioxide, foam, dry chemical.
<u>Firefighting Equipment:</u>	Wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.
<u>Haz Combustion Products:</u>	No data

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## 6. Accidental Release Measures

<u>Spill Measures:</u>	Minimize the area affected by the spill or leak. Prevent spilled material from entering water systems (e.g. sewers, streams, lakes, etc.). Recover as much of the pure product as possible into appropriate containers. Later, determine if this recovered product can be used for its intended purpose. Address clean-up of contaminated environments. Use clay, soil, or commercially available absorbents to soak up remaining spilled material. Sweep up and place in a chemical waste container.
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## 7. Handling and Storage

<u>Handling:</u>	Wear appropriate skin, eye and respiratory protective clothing. Keep container closed when not in use.
<u>Storage:</u>	Store in a cool, dry, well ventilated area.

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## 8. Exposure Controls/Personal Protection

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<b><u>Exposure Guidelines:</u></b>	No ACGIH TLV or OSHA PEL assigned to this mixture. Minimize exposure in accordance with good industrial hygiene practice.
<b>Engineering Controls:</b>	Use ventilation adequate to maintain safe levels. Provide eyewash station and safety shower in work area.
<b>Respiratory Protection:</b>	When misting may occur in the work area, a NIOSH/MSHA approved respirator may be required. Use a respirator approved for material and level of exposure.
<b>Protective Clothing:</b>	Rubber gloves, body protective clothing and shoes are required.
<b>Eye Protection:</b>	Safety glasses or goggles. If splashing can occur, a face shield is advisable.

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## 9. Chemical and Physical Properties

<b><u>Appearance:</u></b>	Light yellow liquid
<b><u>Boiling Point:</u></b>	No data
<b>Vapor Pressure:</b>	No data
<b>Vapor Density:</b>	No data
<b>Solubility in Water:</b>	Completely soluble
<b>pH:</b>	<1 (acidic)
<b>Specific Gravity - Density:</b>	1.28 g/cm <sup>3</sup>
<b>% Volatile:</b>	No data

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## 10. Stability and Reactivity

<b>Stability Text:</b>	Stable under normal conditions of use and storage.
<b>Incompatibility:</b>	Steel, strong bases, strong oxidizers and strong alkali.
<b><u>Haz. Decomposition Products:</u></b>	Oxides of carbon, phosphoric acid and other unidentified combustible products.
<b>Haz Polymerization Products:</b>	Will not occur.

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## 11. Toxicological Information

### **Possible Human Health Effects:**

<b>Inhalation Tox:</b>	May be harmful if inhaled. Effects will depend upon solution strength and length of time of exposure.
<b><u>Skin Contact:</u></b>	Hazardous in case of skin contact (irritant). Non-corrosive for skin. Skin contact may produce burns. Skin inflammation is characterized by itching, scaling, reddening, or occasionally blistering.
<b><u>Eye Contact:</u></b>	Very hazardous in case of eye contact (irritant, corrosive). Inflammation of the eye is characterized by redness, watering and itching.
<b>Ingestion Tox:</b>	Ingestion is not expected to be a primary route of exposure.
<b>Other Effects of Overexposure:</b>	May cause damage to the following organs: upper respiratory tract, skin, eyes.
<b>Note to Physician:</b>	Not applicable

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## 12. Ecological Information

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**Ecological Info:** Care should be taken to minimize release of undiluted product into the environment.

## 13. Disposal Consideration

**Disposal Method:** Because its pH is below 2, discarded product is a hazardous waste, number D002, 40 CFR 261.22. Dispose of in a facility permitted for hazardous waste.

**Container Disposal:** Empty container retains product residue. Remove all product residue from container and puncture or otherwise destroy container before disposal.

## 14. Transport Information

**DOT Hazard Description:** Proper Shipping Name: CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S., (2-PHOSPHONO-1,2,4-BUTANETRICARBOXYLIC ACID)  
Hazard Class: 8  
Identification Number: UN 3265  
Packing group: III

## 15. Regulatory Information

**TSCA (Toxic Substances Control Act) Regulations, 40 CFR 710:**

All ingredients are listed on the TSCA Chemical Substances Inventory.

**CERCLA and SARA Regulations (40 CFR 355, 370, 372):**

This product does not contain any chemicals subject to the reporting requirements under CERCLA.

**California Proposition 65:**

None

## 16. Other Information

The information herein is given in good faith, but no warranty, expressed or implied, is made.

**HMIS and NFPA Ratings**

<u>Hazard:</u>	<u>HMIS Ratings:</u>	<u>NFPA Ratings:</u>
<u>Health:</u>	3	3
<u>Flammability:</u>	1	1
<u>Reactivity:</u>	1	1

**HMIS and NFPA Hazard Rating Codes:**

0 - Least    1 - Slight    2 - Moderate    3 - High    4 - Severe

**NOTE:** These HMIS and NFPA Ratings are for "new" product. See appropriate sections of this MSDS for specific hazard information and safe handling instructions



# Safety Data Sheet

## 1. Product and Company Identification

Effective Date: 08/21/2014

Revision: 01

### Comfort Line Brom Tabs

Principal Use: Swimming pool and spa disinfectant

Description: White to off-white tablet with slight halogenous odor

### N. Jonas and Co., Inc.

4520 Adams Circle  
P.O. Box 425  
Bensalem, PA 19020-0425

Telephone: (215) 639-8071

Only in the Event of a Transportation Emergency Involving Spills, Leaks, Fires or Accidents, call CHEMTREC at (800) 424-9300.

## 2. Hazards Identification

### Emergency Overview

Appearance: White to off-white tablet with faint halogenous odor

Physical Hazards: Oxidizer

Health Hazards: Corrosive. Causes irreversible eye damage and skin burns. Eye contact may cause loss of vision. Irritating to nose and throat. May be fatal if inhaled. Harmful if absorbed through skin or swallowed.

\* Hazard summary defined by OSHA Hazard Comm. Std., 29 CFR 1910.1200.

### Potential Health Effects:

General: This health hazard assessment based on information from commercial and scientific literature.

Ingestion: Harmful if swallowed.

Eye Contact: Causes irreversible eye damage. Eye contact may cause loss of vision.

Skin Contact: Causes skin burns.

Skin Absorption: May be fatal if absorbed through skin.

Inhalation: Irritating to nose and throat. May be fatal if inhaled.

## 3. Composition/Information on Ingredients

<u>Ingredients:</u>	<u>%(w/w)</u>	<u>OSHA PEL</u>
Bromochloro-5,5-dimethylhydantoin (CAS 32718-18-6)	96-99.5	Not listed

Ingredients not precisely identified are proprietary or non hazardous. Values are not product specifications.

## 4. First Aid Measures:

First Aid - Eyes: Hold eyelids open and rinse slowly and gently with water for 15 - 20 minutes. Remove contact lenses, if present, after the

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<b><u>First Aid - Skin:</u></b>	first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
<b><u>First Aid - Ingestion:</u></b>	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.
<b><u>First Aid - Inhalation:</u></b>	Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
<b><u>First Aid - Inhalation:</u></b>	Move person to fresh air. If person is not breathing, call 911 or an ambulance. Then, give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for treatment advice.

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## 5. Fire Fighting Measures

<b><u>Flashpoint and Method:</u></b>	None
<b><u>Autoignition Temperature:</u></b>	Not applicable
<b>Flammable Limits:</b>	Not flammable
<b>General Hazards:</b>	Strong oxidizing agent. Forms explosive mixtures with combustible, organic or other easily oxidizable materials.
<b>Firefighting Instructions:</b>	Use dry powder, carbon dioxide or water spray as extinguishing media. Do not use ammonium phosphate extinguishing media near water and this product. Hazardous reactions may occur. Cool containers with water spray.
<b>Firefighting Equipment:</b>	In closed stores, provide fire-fighters with self-contained breathing apparatus in positive pressure mode.
<b>Haz Combustion Products:</b>	When heated to decomposition, may release poisonous and corrosive fumes of HBr, Nox and HCl.

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## 6. Accidental Release Measures

<b>Spill Measures:</b>	When dealing with spills, use impact-resistant goggles with side shields, or face shield, body-covering clothes, including impervious rubber or plastic gloves and boots. Use a dust respirator if dusting occurs. Sweep up dry spills and dispose of as described for pesticide disposal (See Section 13 DISPOSAL CONSIDERATIONS).
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## 7. Handling and Storage

<b>Handling:</b>	Do not breathe dust or spray mist. Do not get in eyes, on skin or on clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wear goggles with side shields, face shield or safety glasses, protective clothing and rubber gloves. Wear a mask or respirator jointly approved by MSHA and NIOSH. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. Do not smoke, drink or eat when handling this product. Keep container tightly closed when not in use.
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This product emits a powerful bromine gas. Do not open container indoors. Hold away from face when opening to avoid breathing fumes. Mixing with other chemicals may cause a violent and instantaneous chemical reaction. Do not add this product to water in a pail. Do not add water to this product in a pail. Follow label instructions exactly. Do not take advice from others. Do not experiment.

Contact between this product in its undissolved state and vinyl liners, painted surfaces or other property in or around the pool may result in permanent bleaching of the color.

**Storage:**

Do not contaminate water, food or feed by storage or disposal. Store in a dark, cool (below 86 deg. F. (37 deg. C.)), dry, well-ventilated area. Store in closed original containers away from energy sources, combustible organic materials, oxidizers, strong bases and moisture.

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## 8. Exposure Controls/Personal Protection

<b><u>Exposure Guidelines:</u></b>	No ACGIH TLV or OSHA PEL assigned to this product. Minimize exposure in accordance with good hygiene practice.
<b>Engineering Controls:</b>	Use ventilation adequate to maintain safe levels. Provide eyewash station and safety shower in work area. Do not eat, drink or smoke until after work, showering and changing clothes.
<b>Respiratory Protection:</b>	Approved MSHA-NIOSH respirator.
<b>Protective Clothing:</b>	Body covering clothes and rubber boots.
<b>Eye Protection:</b>	Chemical safety goggles with side shields, face shield or safety glasses.

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## 9. Chemical and Physical Properties

<b><u>Appearance:</u></b>	White to off-white tablet with faint halogenous odor
<b><u>Boiling Point:</u></b>	Not applicable
<b>Vapor Pressure:</b>	9.35 x 10 <sup>-3</sup> Pa @ 25 deg. C.
<b>Vapor Density:</b>	Not applicable under standard conditions.
<b>Solubility in Water:</b>	0.2 gm/100 ml @ 25 deg. C.
<b>pH:</b>	No data
<b>Specific Gravity - Density:</b>	1.8 - 2.0 Specific Gravity
<b>% Volatile:</b>	No data

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## 10. Stability and Reactivity

<b>Stability Text:</b>	Stable under normal conditions.
<b>Incompatibility:</b>	Oxidizing agents, combustible organic materials and bases. Avoid heating above 160 deg. C.
<b><u>Haz. Decomposition Products:</u></b>	HBr, Br <sub>2</sub> and HCl.
<b>Haz Polymerization Products:</b>	Will not occur.

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## 11. Toxicological Information

**Possible Human Health Effects:**

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<b>Inhalation Tox:</b>	The inhalation LC50 (rat) is 1.1 mg/l/4 hour (powder). Irritant to upper respiratory tract. May cause shortness of breath, headache and nausea.
<b><u>Skin Contact:</u></b>	Exposure to wet skin may cause skin burns. Prolonged skin contact may cause allergic reactions in some individuals..
<b><u>Eye Contact:</u></b>	Causes irreversible eye damage. Eye contact may cause loss of vision.
<b>Ingestion Tox:</b>	The acute oral LD50 (rat) is 929 mg/kg. Harmful if swallowed..
<b>Other Effects of Overexposure:</b>	Not known to be a carcinogen. Not included in NTP 9th Report on Carcinogens. Not classified by IARC. Mutagenic by Ames Test.
<b>Note to Physician:</b>	Probable mucosal damage may contraindicate the use of gastric lavage.

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## 12. Ecological Information

<b>Ecological Info:</b>	<b>Aquatic toxicity</b> -96 Hour LC50 - Fish: 0.4 mg/l (Rainbow trout, Static) 0.46 mg/l (Bluegill sunfish, Static) 1.6 mg/l (Sheepshead minnow, Acute flow through) 1.2 mg/l (Eastern oyster, Acute flow through) 1.9 mg/l (Mysid shrimp, Acute flow through)  -48 Hour LC50, Daphnia magna: 0.75 mg/l (Static)  <b>Avian toxicity</b> -Bobwhite quail, acute oral LD50: 1,839 mg/kg -Mallard duck, dietary LC50: >5,620 ppm -Bobwhite quail, dietary LC50: 5,620 ppm
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## 13. Disposal Consideration

<b>Disposal Method:</b>	<p>Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.</p> <p>This material is classified as a RCRA hazardous waste with the characteristics of ignitability, hazardous waste number D001. Observe all federal, state and local environmental regulations when disposing of this material. Dispose of waste in approved landfill sites or an approved incinerator.</p>
<b>Container Disposal:</b>	Completely empty container. Triple rinse or equivalent. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

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## 14. Transport Information

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# Safety Data Sheet

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DOT Hazard Description:

DOT Hazard Description

Proper Shipping Name: OXIDIZING SOLID, N.O.S.

Hazard Class: 5.1

Identification Number: UN 1479

Packing Group: II

Hazardous Substance (RQ): None

Placard/Label: OXIDIZER

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## 15. Regulatory Information

TSCA (Toxic Substances Control Act) Regulations, 40 CFR 710:

All ingredients are listed on the TSCA Chemical Substances Inventory. This product is registered with EPA as a pesticide.

CERCLA and SARA Regulations (40 CFR 355, 370, 372):

This product does not contain any chemicals subject to the reporting requirements under CERCLA.

California Proposition 65:

None

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## 16. Other Information

The information herein is given in good faith, but no warranty, expressed or implied, is made.

HMIS and NFPA Ratings

<u>Hazard:</u>	<u>HMIS Ratings:</u>	<u>NFPA Ratings:</u>
<u>Health:</u>	3	3
<u>Flammability:</u>	0	0
<u>Reactivity:</u>	1	1

HMIS and NFPA Hazard Rating Codes:

0 - Least    1 - Slight    2 - Moderate    3 - High    4 - Severe

NOTE: These HMIS and NFPA Ratings are for "new" product. See appropriate sections of this MSDS for specific hazard information and safe handling instructions

# Safety Data Sheet

## 1. Product and Company Identification

Effective Date: 08/21/2014

Revision: 01

### Comfort Line pH Up

Principal Use: pH increaser

Description: White granules

### N. Jonas and Co., Inc.

4520 Adams Circle  
P.O. Box 425  
Bensalem, PA 19020-0425

Telephone: (215) 639-8071

Only in the Event of a Transportation Emergency Involving Spills, Leaks, Fires or Accidents, call CHEMTREC at (800) 424-9300.

## 2. Hazards Identification

### Emergency Overview

Appearance: White granules

Physical Hazards: None

Health Hazards: Irritant (eye)

\* Hazard summary defined by OSHA Hazard Comm. Std., 29 CFR 1910.1200.

### Potential Health Effects:

General: This health hazard assessment based on information from commercial and scientific literature.

Ingestion: Slightly toxic

Eye Contact: May cause severe eye irritation to the eyes.

Skin Contact: Non-irritating to intact skin. Minor irritation to abraded skin.

Skin Absorption: This product will probably not be absorbed through human skin.

Inhalation: Dusts and mists may be irritating to mucous membranes and upper respiratory tract.

## 3. Composition/Information on Ingredients

<u>Ingredients:</u>	<u>%(w/w)</u>	<u>OSHA PEL</u>
Sodium carbonate (CAS 497-19-8)	100	Not listed

Ingredients not precisely identified are proprietary or non hazardous. Values are not product specifications.

## 4. First Aid Measures:

First Aid - Eyes: Irrigate with flowing water immediately and continuously for 15 minutes, while keeping the eyelids open. Consult a physician or ophthalmologist.

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<b><u>First Aid - Skin:</u></b>	Wash with plenty of soap and water. Seek medical attention if irritation develops or persists.
<b><u>First Aid - Ingestion:</u></b>	Do not induce vomiting. If patient is conscious, give them 1 - 2 glasses of water. Seek medical attention if overdose is taken.
<b><u>First Aid - Inhalation:</u></b>	Remove to fresh air. Seek medical attention if discomfort persists.

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## 5. Fire Fighting Measures

<b><u>Flashpoint and Method:</u></b>	Non-combustible
<b><u>Autoignition Temperature:</u></b>	Not applicable
<b>Flammable Limits:</b>	Not applicable
<b>General Hazards:</b>	None
<b>Firefighting Instructions:</b>	Use any means suitable for extinguishing surrounding fire.
<b>Firefighting Equipment:</b>	Wear full protective clothing and self contained breathing apparatus.
<b>Haz Combustion Products:</b>	Carbon dioxide is evolved at very high temperatures or when mixed with acids.

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## 6. Accidental Release Measures

<b>Spill Measures:</b>	Sweep up into clean, dry containers for salvage or disposal. Dispose of in accordance with applicable federal, state and local laws or regulations.
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## 7. Handling and Storage

<b>Handling:</b>	Avoid prolonged and repeated contact with the skin or eyes. Use approved respiratory protection when dust is a problem.
<b>Storage:</b>	Store in a cool, dry place away from incompatible materials.

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## 8. Exposure Controls/Personal Protection

<b><u>Exposure Guidelines:</u></b>	No ACGIH TLV or OSHA PEL assigned to this mixture. Minimize exposure in accordance with good industrial hygiene practice.
<b>Engineering Controls:</b>	Use ventilation adequate to maintain safe levels. Provide eyewash station and safety shower in work area.
<b>Respiratory Protection:</b>	NIOSH approved dust respirator.
<b>Protective Clothing:</b>	Suitable clothing to prevent prolonged skin contact.
<b>Eye Protection:</b>	Safety glasses and/or goggles

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## 9. Chemical and Physical Properties

<b><u>Appearance:</u></b>	White granules
<b><u>Boiling Point:</u></b>	Not applicable
<b>Vapor Pressure:</b>	Not applicable
<b>Vapor Density:</b>	Not applicable
<b>Solubility in Water:</b>	33% maximum
<b>pH:</b>	11.3 (1% solution)

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# Safety Data Sheet

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Specific Gravity - Density: 2.53 @ 20 deg. C.  
% Volatile: No data

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## 10. Stability and Reactivity

Stability Text: Stable under normal handling and storage conditions.  
Incompatibility: Reacts with acids to release carbon dioxide.  
Haz. Decomposition Products: Carbon dioxide is evolved at very high temperatures.  
Haz Polymerization Products: Will not occur.

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## 11. Toxicological Information

### Possible Human Health Effects:

Inhalation Tox: Dusts and mists may be irritating to the mucous membrane and upper respiratory tract.  
Skin Contact: Non-irritating to intact skin. Minor irritation to abraded skin.  
Eye Contact: Severe irritant.  
Ingestion Tox: Slightly toxic, but large doses may be corrosive to the gastrointestinal tract where symptoms may include severe abdominal pain, vomiting, diarrhea, collapse and death.  
Other Effects of Overexposure: None known  
Note to Physician: Inhalation of product may aggravate existing chronic respiratory problems such as asthma, emphysema or bronchitis. Skin contact may aggravate existing skin disease.

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## 12. Ecological Information

Ecological Info: Care should be taken to minimize release of undiluted product into the environment.

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## 13. Disposal Consideration

Disposal Method: Discarded product is not a hazardous waste under RCRA, 40 CFR 261.  
Container Disposal: Empty container retains product residue. Remove all product residue from container and puncture or otherwise destroy container before disposal.

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## 14. Transport Information

DOT Hazard Description: Not regulated

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## 15. Regulatory Information

### TSCA (Toxic Substances Control Act) Regulations, 40 CFR 710:

All ingredients are listed on the TSCA Chemical Substances Inventory.

### CERCLA and SARA Regulations (40 CFR 355, 370, 372):

This product does not contain any chemicals subject to the reporting requirements under CERCLA.

### California Proposition 65:

None

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# Safety Data Sheet

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## 16. Other Information

The information herein is given in good faith, but no warranty, expressed or implied, is made.

### HMIS and NFPA Ratings

<u>Hazard:</u>	<u>HMIS Ratings:</u>	<u>NFPA Ratings:</u>
<u>Health:</u>	2	2
<u>Flammability:</u>	0	0
<u>Reactivity:</u>	0	0

<u>HMIS and NFPA Hazard Rating Codes:</u>				
0 - Least	1 - Slight	2 - Moderate	3 - High	4 - Severe

NOTE: These HMIS and NFPA Ratings are for "new" product. See appropriate sections of this MSDS for specific hazard information and safe handling instructions

# Safety Data Sheet

## 1. Product and Company Identification

Effective Date: 08/21/2014

Revision: 01

### QCA Spa Shock

Principal Use: Swimming Pool/Spa Sanitizer

Description: White granules with slight chlorine odor

### N. Jonas and Co., Inc.

4520 Adams Circle  
P.O. Box 425  
Bensalem, PA 19020-0425

Telephone: (215) 639-8071

Only in the Event of a Transportation Emergency Involving Spills, Leaks, Fires or Accidents, call CHEMTREC at (800) 424-9300.

## 2. Hazards Identification

### Emergency Overview

**Appearance:** White granules with slight chlorine odor.

**Physical Hazards:** Strong oxidizing agent

**Health Hazards:** Corrosive. Causes irreversible eye damage and skin burns. May be fatal if absorbed through skin. May be fatal if inhaled. Irritating to nose and throat. Harmful if swallowed.

\* Hazard summary defined by OSHA Hazard Comm. Std., 29 CFR 1910.1200.

### Potential Health Effects:

**General:** This health hazard assessment based on information from commercial and scientific literature.

**Ingestion:** Harmful if swallowed.

**Eye Contact:** Causes irreversible eye damage. Dust or vapors can cause irritation, redness, tearing and burns.

**Skin Contact:** Dry crystalline material is non-irritating initially. Prolonged contact will probably induce chemical burns. Burns are induced when moisture is added.

**Skin Absorption:** May be harmful if absorbed through skin.

**Inhalation:** May be fatal if inhaled.

## 3. Composition/Information on Ingredients

<u>Ingredients:</u>	<u>%(w/w)</u>	<u>OSHA PEL</u>
Sodium dichloro-s-triazinetriene (CAS 2893-78-9)	99 %	Not listed
Cyanuric Acid	1 %	Not listed

Ingredients not precisely identified are proprietary or non hazardous. Values are not product specifications

## 4. First Aid Measures:

# Safety Data Sheet

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<b><u>First Aid - Eyes:</u></b>	Hold eye open and rinse slowly with water for 15 -20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for further treatment advice. Have the product container or label with you when calling a poison control center or doctor or going for treatment.
<b><u>First Aid - Skin:</u></b>	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. Have the product container or label with you when calling a poison control center or doctor or going for treatment.
<b><u>First Aid - Ingestion:</u></b>	Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by poison control center or doctor. Do not give anything by mouth to an unconscious person. Have the product container or label with you when calling a poison control center or doctor or going for treatment.
<b><u>First Aid - Inhalation:</u></b>	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for treatment advice. Have the product container or label with you when calling a poison control center or doctor or going for treatment.

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## 5. Fire Fighting Measures

<b><u>Flashpoint and Method:</u></b>	Will not flash
<b><u>Autoignition Temperature:</u></b>	Fumes after decomposing at 240 deg. C.
<b><u>Flammable Limits:</u></b>	Not applicable
<b><u>General Hazards:</u></b>	Strong oxidizing agent.
<b><u>Firefighting Instructions:</u></b>	Call fire department. Do not attempt to extinguish the fire without a self-contained breathing apparatus (SCBA). Do not let fire burn. Flood with massive quantities of water. Do not use ABC or other dry chemical extinguishers since there is the potential for a violent reaction.
<b><u>Firefighting Equipment:</u></b>	Wear self-contained breathing apparatus with full face piece and protective clothing.
<b><u>Haz Combustion Products:</u></b>	Contact with water slowly liberates irritating and hazardous chlorine containing gases. Decomposes at temperatures above 464 degrees F. with liberation of harmful gases. When ignited, will burn with the evolution of chlorine and equally toxic gases. Contamination with moisture, organic matter or other chemicals may start a chemical reaction with generation of heat.

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## 6. Accidental Release Measures

<b><u>Spill Measures:</u></b>	Wear impervious gloves, mask and chemical tight goggles. Sweep up leaks or spills of this material with dry broom and dissolve in water. After that, neutralize this solution with sodium thiosulfate or sodium sulfate and discard it while controlling temperature and pH.
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# Safety Data Sheet

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## 7. Handling and Storage

Handling:	Do not get in eyes, on skin or on clothing. Do not breathe dust, vapor or spray mist. Wear goggles, face shield or safety glasses. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.
Storage:	Do not contaminate water, food or feed by storage or disposal. Keep material dry and in a dry area. Store in original container where temperatures do not exceed 125 degrees F. (52 degrees C.) for 24 hours. Retie polyethylene liner after each use and keep container tightly closed.

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## 8. Exposure Controls/Personal Protection

<u>Exposure Guidelines:</u>	No ACGIH TLV or OSHA PEL assigned to this mixture. Minimize exposure in accordance with good industrial hygiene practice.
Engineering Controls:	Use ventilation adequate to maintain safe levels. Safety shower and eyebath should be provided. Do not eat, drink or smoke until showering and changing clothes.
Respiratory Protection:	If needed, use OSHA-NIOSH approved respirator for dusts, mists and fumes with TLV not less than 0.5 mg/m <sup>3</sup> .
Protective Clothing:	Avoid contact with skin. Use impervious gloves.
Eye Protection:	Use chemical tight goggles.

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## 9. Chemical and Physical Properties

<u>Appearance:</u>	White granules with slight chlorine odor.
<u>Boiling Point:</u>	Not applicable
Vapor Pressure:	Not applicable
Vapor Density:	No data
Solubility in Water:	25 g/100 ml water at 25 deg. C.
pH:	2.8 (1% solution)
Specific Gravity - Density:	0.87 (bulk density)
% Volatile:	No data

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## 10. Stability and Reactivity

Stability Text:	Stable under dry and normal conditions.
Incompatibility:	Contact with most organic matter or easily chlorinated or oxidized materials may result in fire. Contact with ammonia, ammonium salts, urea or similar compounds which contain nitrogen may form nitrogen trichloride, a highly explosive compound. Contamination with oils and greases may cause decomposition with formation of carbon dioxide and chlorine. This product may form an explosive mixture with calcium hypochlorite. In a formulation containing this mixture 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. It is dangerous to contact alcohols, ethers, biuret and solvents (toluene, xylene, turpentine, etc.)

# Safety Data Sheet

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**Haz. Decomposition Products:** Nitrogen trichloride, chlorine, cyanic acid

**Haz Polymerization Products:** Will not occur.

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## 11. Toxicological Information

### Possible Human Health Effects:

**Inhalation Tox:** May be fatal if inhaled.

**Skin Contact:** Dry crystalline material is non-irritating initially. Prolonged contact will probably induce chemical burns. Burns are induced when moisture is added.

**Eye Contact:** Causes irrevsible eye damage. Dust or vapors can cause irritation, redness, tearing and burns.

**Ingestion Tox:** Harmful if swallowed.

**Other Effects of Overexpoaure:** Toxicological investigation indicate this chemical does not produce significant effects from chronic exposure.

**Note to Physician:** Probable mucosal damage may contraindicate the use of gastric lavage.

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## 12. Ecological Information

**Ecological Info:** This pesticide is toxic to fish and aquatic organisms. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or public waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

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## 13. Disposal Consideration

**Disposal Method:** Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance. Do not put this product, spilled product, or filled or partially filled containers into the trash or waste compactor.

**Container Disposal:** **PLASTIC PAIL:** Triple rinse (or equivalent). Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill, or incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke. **HOUSEHOLD CONTAINERS:** Do not reuse container. Rinse thoroughly before discarding in trash. Securely wrap container in several layers of newspaper and discard in trash.

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## 14. Transport Information

**DOT Hazard Description:** Not regulated

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## 15. Regulatory Information

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# Safety Data Sheet

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## TSCA (Toxic Substances Control Act) Regulations, 40 CFR 710:

All ingredients are listed on the TSCA Chemical Substances Inventory. This product is registered with EPA as a pesticide.

## CERCLA and SARA Regulations (40 CFR 355, 370, 372):

This product does not contain any chemicals subject to the reporting requirements under CERCLA.

## California Proposition 65:

None

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## 16. Other Information

The information herein is given in good faith, but no warranty, expressed or implied, is made.

### HMIS and NFPA Ratings

<u>Hazard:</u>	<u>HMIS Ratings:</u>	<u>NFPA Ratings:</u>
<u>Health:</u>	3	3
<u>Flammability:</u>	0	0
<u>Reactivity:</u>	2	2

<u>HMIS and NFPA Hazard Rating Codes:</u>				
0 - Least	1 - Slight	2 - Moderate	3 - High	4 - Severe

NOTE: These HMIS and NFPA Ratings are for "new" product. See appropriate sections of this MSDS for specific hazard information and safe handling instructions

# Safety Data Sheet

## 1. Product and Company Identification

Effective Date: 08/21/2014

Revision: 01

### Foam Away

Principal Use: Reduce foaming in spas and swimming pools.

Description: Milky White Liquid

### N. Jonas and Co., Inc.

4520 Adams Circle  
P.O. Box 425  
Bensalem, PA 19020-0425

Telephone: (215) 639-8071

Only in the Event of a Transportation Emergency Involving Spills, Leaks, Fires or Accidents, call CHEMTREC at (800) 424-9300.

## 2. Hazards Identification

### Emergency Overview

Appearance: Milky white liquid

Physical Hazards: None

Health Hazards: May irritate eyes and skin.

\* Hazard summary defined by OSHA Hazard Comm. Std., 29 CFR 1910.1200.

### Potential Health Effects:

General: No known, adverse chronic health effects, but unnecessary exposure to any chemical should be avoided. This product, as with any chemical, may enhance allergic conditions on certain people. There are no known, medical conditions that might be aggravated by exposure to this product.

Ingestion: Amounts transferred to the mouth by fingers, etc, during normal operations should not cause injury.

Eye Contact: May irritate the eyes. May produce oil film causing brief reversible dimness of sight.

Skin Contact: Prolonged exposure (hours) may cause mild to moderate skin irritation. Repeated, prolonged exposures may cause irritation.

Skin Absorption: This product will probably not be absorbed through the skin.

Inhalation: No irritation is expected to the nose or throat. No injury likely, from relatively short exposure.

## 3. Composition/Information on Ingredients

<u>Ingredients:</u>	<u>%(w/w)</u>	<u>OSHA PEL</u>
Polysiloxane Oil (10%) in Water Emulsion (90%) (Proprietary information)		

Ingredients not precisely identified are proprietary or non hazardous. Values are not product specifications.

# Safety Data Sheet

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## 4. First Aid Measures:

<u>First Aid - Eyes:</u>	Immediately, flush with plenty of fresh water, ensuring both the upper and lower lids are rinsed for 5-10 minutes. Seek medical attention if irritation persists.
<u>First Aid - Skin:</u>	Exposed skin should be rinsed with fresh water to remove the product from the area as soon as possible.
<u>First Aid - Ingestion:</u>	No data is available. If product is ingested, seek medical attention.
<u>First Aid - Inhalation:</u>	No data.

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## 5. Fire Fighting Measures

<u>Flashpoint and Method:</u>	Above 200degF {Method- P.M.C.C}
<u>Autoignition Temperature:</u>	Not known.
<u>Flammable Limits:</u>	Not determined.
<u>General Hazards:</u>	This product contains methyl-polysiloxane which can generate formaldehyde at approximately 300degF (150degC) and higher in atmospheres that contain oxygen.
<u>Firefighting Instructions:</u>	Use media suitable for surrounding fire.
<u>Firefighting Equipment:</u>	Appropriate fire-fighting clothing. Self contained breathing apparatus with full face protection.
<u>Haz Combustion Products:</u>	This product contains methyl-polysiloxane which can generate formaldehyde at approximately 300degF (150degC) and higher in atmospheres that contain oxygen. Other decomposition products are carbon oxides, sulfur oxides, nitrogen oxides, and silica (crystalline).

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## 6. Accidental Release Measures

<u>Spill Measures:</u>	Observe all personal protection equipment in Section 8. Clean area appropriately to reduce slippery conditions (several moppings or swabbings with appropriate solvents; washing with mild, caustic detergents or solutions; or high pressure steam for large areas). Observe any safety precaution applicable to the cleaning material being used.
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## 7. Handling and Storage

<u>Handling:</u>	No special precautions.
<u>Storage:</u>	No special precautions.

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## 8. Exposure Controls/Personal Protection

<u>Exposure Guidelines:</u>	No ACGIH TLV or OSHA PEL assigned to this product. Minimize exposure in accordance with good hygiene practice. Which includes washing at meals and end of shift. These precautions are for room temperature handling. Use at elevated temperatures, or in spray applications, may require added precautions.
<u>Engineering Controls:</u>	Local exhaust should not be needed. General ventilation is recommended. Provide eyewash station and safety shower in

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# Safety Data Sheet

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	work area.
Respiratory Protection:	No respiratory protection should be needed.
Protective Clothing:	Wear suitable body covering clothes.
Eye Protection:	Safety glasses or goggles.

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## 9. Chemical and Physical Properties

<u>Appearance:</u>	Milky white liquid
<u>Boiling Point:</u>	No data.
Vapor Pressure:	No data.
Vapor Density:	No data.
Solubility in Water:	Dispersible.
pH:	7.0
Specific Gravity - Density:	Specific Gravity @ 25degC: 1.01
% Volatile:	Water (90%)

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## 10. Stability and Reactivity

Stability Text:	Stable.
Incompatibility:	Hazardous polymerization will not occur.
<u>Haz. Decomposition Products:</u>	This product contains methyl-polysiloxane which can generate formaldehyde at approximately 300degF (150degC) and higher in atmospheres that contain oxygen. Other decomposition products are carbon oxides, sulfur oxides, nitrogen oxides, and silica (crystalline).
Haz Polymerization Products:	Not applicable.

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## 11. Toxicological Information

<u>Possible Human Health Effects:</u>	
Inhalation Tox:	Complete information is not available yet.
<u>Skin Contact:</u>	Complete information is not available yet.
<u>Eye Contact:</u>	Complete information is not available yet.
Ingestion Tox:	Complete information is not available yet.
Other Effects of Overexposure:	No known, adverse chronic health effects, but unnecessary exposure to any chemical should be avoided. This product, as with any chemical, may enhance allergic conditions on certain people. There are no known, medical conditions that might be aggravated by exposure to this product.

Note to Physician:

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## 12. Ecological Information

Ecological Info:	Complete information is not available yet.
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## 13. Disposal Consideration

Disposal Method:	Disposal should be made in accordance with federal, state, and local regulations.
Container Disposal:	Dispose of responsibly. Do not reuse for household use.

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# Safety Data Sheet

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## 14. Transport Information

DOT Hazard Description:

W.H.M.I.S. Classification: Class D, Division 2B  
No further hazard applicable.

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## 15. Regulatory Information

TSCA (Toxic Substances Control Act) Regulations, 40 CFR 710:

All ingredients are listed on the TSCA Chemical Substances Inventory.

CERCLA and SARA Regulations (40 CFR 355, 370, 372):

This product does not contain any chemicals subject to the reporting requirements of SARA Section 313.

California Proposition 65:

None.

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## 16. Other Information

The information herein is given in good faith, but no warranty, expressed or implied, is made.

HMIS and NFPA Ratings

<u>Hazard:</u>	<u>HMIS Ratings:</u>	<u>NFPA Ratings:</u>
<u>Health:</u>	1	1
<u>Flammability:</u>	0	0
<u>Reactivity:</u>	0	0

HMIS and NFPA Hazard Rating Codes:

0 - Least    1 - Slight    2 - Moderate    3 - High    4 - Severe

NOTE: These HMIS and NFPA Ratings are for "new" product. See appropriate sections of this MSDS for specific hazard information and safe handling instructions