

# Safety Data Sheet

## Section 1 - Identification

Product Name: BLITZ Non-Chlorinated Shock for Pools (90006)

Atlantic Solutions, Inc.  
125 North Chatham Pkwy  
Chapel Hill, NC 27517  
919-933-4250

**Emergency Phone: 800-535-5053**

Product Use: POOL PRODUCT

## Section 2 - Hazards Identification

### GHS Ratings:

Inhalation Toxicity	Acute Tox. 4	Gases>2500+<=5000ppm, Vapors>10+<=20mg/l, Dusts&mists>1+<=5mg/l
Skin corrosive	1B	Destruction of dermal tissue: Exposure < 1 hour Observation < 14 days, visible necrosis in at least one animal
Eye corrosive	1	Serious eye damage: Irreversible damage 21 days after exposure, Draize score: Corneal opacity >= 3, Iritis > 1.5

### GHS Hazards

H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage
H332	Harmful if inhaled

### GHS Precautions

P260	Do not breathe dust/fume/gas/mist/vapours/spray
P261	Avoid breathing dust/fume/gas/mist/vapours/spray
P264	Wash hands thoroughly after handling
P271	Use only outdoors or in a well-ventilated area
P280	Wear protective gloves/protective clothing/eye protection/face protection
P310	Immediately call a POISON CENTER or doctor/physician if you feel unwell after exposure of this product
P312	Call a POISON CENTER or doctor/physician if you feel unwell
P321	Specific treatment (see First Aid below or label)
P363	Wash contaminated clothing before reuse
P301+P330+P331	IF SWALLOWED: Call a POISON CENTER or doctor/physician. Rinse mouth. Do NOT induce vomiting
P303+P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P305+P351+P338	IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
P405	Store locked up
P501	Dispose of contents/container in conformance with State, Local, and Federal regulations.

**Signal Word: Danger**



### Section 3 - Composition, Information on Ingredients

Chemical Name	CAS number	Weight Concentration %
Potassium Peroxymonosulfate	10058-23-8	

### Section 4 - First Aid Measures

If inhaled

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

In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Continue rinsing eyes during transport to hospital.

In case of skin contact

Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician.

If swallowed

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

### Section 5 - Fire Fighting Measures

Flash Point: N/A

LEL:

UEL:

Conditions of flammability

Not flammable or combustible.

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Further information

Use water spray to cool unopened containers.

Hazardous combustion products

Hazardous decomposition products formed under fire conditions. - Carbon oxides, Sulphur oxides, Potassium oxides, Magnesium oxide

Special protective equipment for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

### Section 6 - Accidental Release Measures

Personal precautions

Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

Environmental precautions Do not let product enter drains.

Methods and materials for containment and cleaning up

Sweep up and shovel. Contain spillage, and then collect with an electrically protected vacuum cleaner or by wetbrushing and place in container for disposal according to local regulations (see section 13). Keep in suitable, closed containers for disposal.

## Section 7 - Handling & Storage

### Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols.

Provide appropriate exhaust ventilation at places where dust is formed. Keep away from sources of ignition - No smoking.

Keep away from heat and sources of ignition.

### Conditions for safe storage

Keep container tightly closed in a dry and well-ventilated place.

hygroscopic

## Section 8 - Exposure Controls/Personal Protection

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Potassium Peroxymonosulfate 10058-23-8	PEL: 15 mg/m <sup>3</sup> , 8 Hr. TWA, total dust	Not Established	AEL: 1 mg/m <sup>3</sup> , total dust, 8 & 12 hr. TWA

Use sufficient ventilation to keep employee exposure below the recommended limits.

### Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

### Hand protection

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

### Eye protection

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

### Skin and body protection

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

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

## Section 9 - Physical & Chemical Properties

<b>Appearance</b> Powder	<b>Color</b> White
<b>pH</b> 2.3	<b>Specific Gravity</b> 1.25
<b>Odor</b> Characteristic	<b>Odor Threshold</b> N/A
<b>Freezing Point</b> N/A	<b>Boiling Range</b> N/A
<b>Flash Point</b> N/A	<b>Evaporation Rate</b> N/A
<b>Vapor Pressure</b> N/A	<b>Solubility in Water</b> 25.6%
<b>Viscosity</b> N/A	<b>Flammability</b> N/A
<b>Upper/lower flammability</b> N/A	<b>Partition coefficient: n- octanol/water</b> N/A

Auto-ignition temperature N/A

Decomposition temperature N/A

## Section 10 - Stability & Reactivity

Chemical stability

Stable under recommended storage conditions.

STABLE

Materials to avoid

Strong bases, Acids, Bases, Powdered metals, Strong oxidizing agents, Organic materials, Alcohols, acids, phosphorous, Halogens, Anhydrides, Phosphorus, Strong reducing agents

Halogenated compounds Cyanides, Heavy metal salts

Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Carbon oxides, Sulphur oxides, Potassium oxides, Magnesium oxide

Other decomposition products - no data available

Will release oxygen when heated, intensifying a fire. Acidic mist may be present; self contained breathing apparatus should be used

Hazardous polymerization will not occur.

## Section 11 - Toxicological Information

**Mixture Toxicity**

Inhalation Toxicity LC50: 5mg/L

**Component Toxicity**

Acute Health Effects

**Inhalation:**

Causes irritation of the upper respiratory passages with coughing and discomfort and nose bleeds.

**Skin:** Caustic effect on skin and mucous membranes.

**Eye:** Strong caustic effect.

**Ingestion:** Harmful if swallowed. May cause gastritis possibly progressing to necrosis or haemorrhage.

**Skin Corrosion / Irritation:** Causes severe skin burns.

**Serious Eye Damage / Irritation:** Causes serious eye damage.

**Respiratory or Skin Sensitisation:**

Sensitization possible through inhalation.

Sensitization possible through skin contact.

**Germ Cell Mutagenicity:** No information available

**Carcinogenicity:** This product does NOT contain any IARC listed chemicals.

**Reproductive Toxicity:** No information available

**Specific Target Organ Toxicity (STOT) - Single Exposure:** May cause respiratory irritation.

**Specific Target Organ Toxicity (STOT) - Repeated Exposure:** No information available

**Chronic Health Effects:** No information available

**Existing Conditions Aggravated by Exposure:**

Individuals with pre-existing diseases of the skin or gastrointestinal tract may have increased susceptibility to the toxicity of excessive exposures.

CAS Number

Description

% Weight

Carcinogen Rating

Section 12 - Ecological Information

Component Ecotoxicity

Section 13 - Disposal Considerations

Disposal Methods and Containers:

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Dispose according to applicable local and state government regulations.

Special Precautions for Landfill or Incineration:

Please consult your state Land Waste Management Authority for more information .

Empty rectangular box

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
DOT	CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S. (MONOPERSULFATE COMPOUND)	3260	2	8

Section 15 - Regulatory Information

- None

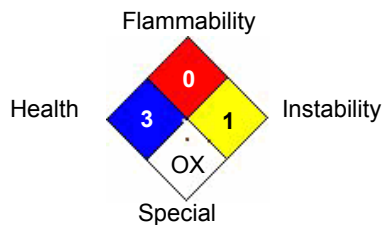
Section 16 - Other Information

Hazardous Material Information System (HMIS)

HEALTH	<input type="text" value="3"/>
FLAMMABILITY	<input type="text" value="0"/>
PHYSICAL HAZARD	<input type="text" value="1"/>
PERSONAL PROTECTION	<input type="text"/>

HMIS & NFPA Hazard Rating  
 Legend  
 \* = Chronic Health Hazard  
 0 = INSIGNIFICANT  
 1 = SLIGHT  
 2 = MODERATE  
 3 = HIGH

National Fire Protection Association (NFPA)



Reviewer Revision

Date Prepared: 11/3/2016