

# Safety Data Sheet

## SHOCK-IT CHLORINATING SHOCK SOLUTION

SDS Number: 428

Revision Date:

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### PRODUCT AND COMPANY IDENTIFICATION

#### Manufacturer

James Austin Company  
115 Downieville Road  
PO Box 827  
Mars, PA 16046

#### Vendor

Alliance Trading, Inc.  
109 Northpark Blvd  
4th Floor  
Covington, LA 70433

**Phone:** 724-625-1535  
**Fax:** 724-625-3288  
**Web:** www.jamesaustin.com

**Product Name:** SHOCK-IT CHLORINATING SHOCK SOLUTION  
**Version:** 1.0  
**SDS Number:** 428  
**Common Name:** Sodium Hypochlorite  
**CAS Number:** 7681-52-9  
**Product Code:** 35186-20132, 35186-20332  
**EPA Number:** 42177-82  
**RCRA Number:** D002  
**Chemical Formula:** NaOCl  
**Synonyms:** Bleach, Liquid Bleach, Soda Bleach, Pool Shock  
**Internal ID:** 91000644

**Emergency phone number: CHEMTREC**

**US:** 1-800-424-9300

**Canada:** 1-800-567-7455

**Poison Control Center:** 1-800-222-1222

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### HAZARDS IDENTIFICATION

GHS Signal Word:  
DANGER

GHS Hazard Pictograms:



GHS Classifications:

Physical, Corrosive to Metals, 1  
Health, Skin corrosion/irritation, 1 B  
Health, Serious Eye Damage/Eye Irritation, 1  
Health, Specific target organ toxicity - Single exposure, 3  
Environmental, Hazards to the aquatic environment - Acute, 1  
Environmental, Hazards to the aquatic environment - Chronic, 2

GHS Phrases:

H290 - May be corrosive to metals  
H314 - Causes severe skin burns and eye damage

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H318 - Causes serious eye damage  
H335 - May cause respiratory irritation  
H400 - Very toxic to aquatic life  
H411 - Toxic to aquatic life with long lasting effects

### GHS Precautionary Statements:

P312 - Call a POISON CENTER or doctor/physician if you feel unwell.  
P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
P303+361+353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do.

Continue rinsing.

P260 - Do not breathe dust/fume/gas/mist/vapors/spray.  
P264 - Wash exposed skin thoroughly after handling.  
P270 - Do not eat, drink or smoke when using this product.  
P309+311 - IF exposed or you feel unwell: Call a POISON CENTER or doctor/physician.  
P273 - Avoid release to the environment.  
P220 - Keep/Store away from clothing/combustible materials.  
P262 - Do not get in eyes, on skin, or on clothing.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
P370+378 - In case of fire: Use dry sand, dry chemical, or alcohol-resistant foam to extinguish.  
P401 - Store upright in a cool, dry place.  
P501 - Dispose of contents/container to an approved waste disposal plant.

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## COMPOSITION/INFORMATION ON INGREDIENTS

### Ingredients:

Cas #	Percentage	Chemical Name
7681-52-9	12.50%	Sodium hypochlorite
7732-18-5	87.50%	Water

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## FIRST AID MEASURES

**Inhalation:** Move to fresh air. Call a physician or poison control center immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

**Skin Contact:** Immediately rinse with plenty of water while removing any contaminated clothing.

**Eye Contact:** Rinse immediately with plenty of water. Keep eye(s) wide open while rinsing. Avoid rubbing the affected area.

**Ingestion:** Do NOT induce vomiting. Rinse mouth thoroughly with water. Drink plenty of water. Call a physician or poison control center.

### NOTE TO PHYSICIAN:

Probable mucosal damage may contraindicate the use of gastric lavage.

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### 5 FIRE FIGHTING MEASURES

<b>Flammability:</b>	Not flammable
<b>Flash Point:</b>	No information available
<b>Flash Point Method:</b>	No information available
<b>Burning Rate:</b>	No information available
<b>Autoignition Temp:</b>	No information available
<b>LEL:</b>	No information available
<b>UEL:</b>	No information available

Highly exothermic reactions with organic materials and oxidizable materials may cause fires.

In the event of a fire, wear full protective clothing and MSHA/NIOSH self-contained breathing apparatus with a full facepiece operated in the pressure-demand or other positive pressure mode.

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment; Water spray may be used to keep fire exposed containers cool.

### 6 ACCIDENTAL RELEASE MEASURES

Use personal protective equipment as required/recommended. Evacuate public to a safe area. Avoid contact with skin, eyes, and clothing.

Prevent spills from entering sewers or waterways. Contain run-off using diking composed of a suitable material. Soak up liquid on inert absorbant and transfer to an approved container. Clean contaminated surface thoroughly.

### 7 HANDLING AND STORAGE

<b>Handling Precautions:</b>	Use personal protective equipment as required/recommended. Use only with adequate ventilation. Avoid contact with skin, eyes, and clothing. Use suitable respiratory equipment in case of inadequate ventilation.
<b>Storage Requirements:</b>	Store using properly labeled containers in a cool, dry, well ventilated area. Keep out of reach of children. Separate from incompatible materials.

### 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Engineering Controls:</b>	Use adequate ventilation, especially in confined spaces
<b>Personal Protective Equip:</b>	Chemical splash goggles; Face shield; Neoprene gloves; NIOSH approved respirator; Apron.

### 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Clear; yellow	<b>Odor:</b>	Pungent; Chlorine
<b>Physical State:</b>	Liquid	<b>Solubility:</b>	Completely miscible in water
<b>Spec Grav./Density:</b>	1.200 - 1.250		
<b>pH:</b>	12.50 - 14.00		

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### STABILITY AND REACTIVITY

<b>Stability:</b>	The product is stable and non-reactive under normal conditions of use, storage and transport.
<b>Conditions to Avoid:</b>	Contact with incompatible materials. Excessive heat and exposure to light. Reacts violently with strong acids producing chlorine gas. Contact with amines will result in chloramines.
<b>Materials to Avoid:</b>	Strong oxidizing agents, acids, metals, organic compounds, ammonia. Oxidizable or combustible materials.
<b>Hazardous Decomposition:</b>	None under normal processing.
<b>Hazardous Polymerization:</b>	Will not occur.

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### TOXICOLOGICAL INFORMATION

#### Toxicity Data:

**Eye Effects:** Causes eye burns.

**Skin Effects:** Causes skin burns.

**Acute Inhalation Effects:** Vapors and mist may irritate throat and respiratory system; may cause coughing.

**Chronic Effects:** Prolonged or repeated overexposure causes lung damage.

**Carcinogenicity:** Not a known carcinogen.

**Mutagenicity:** Not Known.

**Teratogenicity:** Not Known.

#### Acute Toxicity:

**Oral ( LD 50):** No data available

**Inhalation ( LC 50):** No data available

**Skin irritation:** Causes severe skin burns and eye damage

**Eye irritation:** Causes serious eye damage

**Sensitation:** No data available

**Chronic Toxicity:** IARC Group 3; Not classifiable as a human carcinogen

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### ECOLOGICAL INFORMATION

This product is toxic to fish and aquatic organisms. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other 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 local sewage treatment plant authority. For guidance contact your state water board or regional office of the EPA.

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### DISPOSAL CONSIDERATIONS

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 EPA Regional Office for guidance.

Do not re-use or refill this container. Triple rinse container promptly after emptying.

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### TRANSPORT INFORMATION

DOT Class: Corrosive (8) #8

UN #: UN 1791, Class: 8, Proper Shipping Name: Hypochlorite solutions

EXCEPTION:

Limited Quantity, ORM-D

Exempted by DOT for containers of 5 Liters or less

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### REGULATORY INFORMATION

COMPONENT / (CAS/PERC) / CODES

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\*Sodium hypochlorite (7681529 12.50%) CERCLA, CSWHS, MASS, PA, TSCA

\*Water (7732185 87.50%) TSCA

REGULATORY KEY DESCRIPTIONS

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CERCLA = Superfund clean up substance  
CSWHS = Clean water Act Hazardous substances  
MASS = MA Massachusetts Hazardous Substances List  
PA = PA Right-To-Know List of Hazardous Substances  
TSCA = Toxic Substances Control Act  
OSHA = OSHA workplace Air Contaminants  
TXAIR = TX Air Contaminants with Health Effects Screening Level

This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

#### Precautionary Statements

##### Hazards to Humans and Domestic Animals

#### DANGER

**CORROSIVE.** May cause severe skin and eye irritation or chemical burns to broken skin. Causes eye damage. Do not get in eyes, on skin or clothing. Wear safety glasses or goggles and rubber gloves. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Avoid breathing vapors. Vacate poorly ventilated areas as soon as possible. Do not return until strong odors have dissipated. Remove and wash contaminated clothing before reuse.

**Environmental Hazards:** This product is toxic to fish and aquatic organisms.

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**Physical or Chemical Hazards:** Strong oxidizing agent. Mix only with water according to label instructions. Mixing this product with chemicals (e.g. ammonia, acids, detergents, etc.), or organic matter (e.g. urine, feces, etc.) will release a chlorine gas, which is irritating to eyes, lungs, and mucous membranes.

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### OTHER INFORMATION

**Author:** James Austin Company

**Publication Date:** 01/23/2017

**Revision Note:**

**Disclaimer:** James Austin Company provides this information without warranty. The information is believed to be accurate, but James Austin Company makes no representations as to its accuracy. The information should be used to make an independent determination and therefore, users are responsible to verify this data under their own operating conditions and methods. This information relates only to the product designated herein, and does not relate to its use in combination with other materials or processes.