



# Safety Data Sheet

Issue Date: 01-May-2007

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Version: 3

## 1. IDENTIFICATION

### Product Identifier

**Product Name** Champion Pool Shock Liquid Chlorinator

### Other means of identification

**SDS #** CPD-002-10001

**Registration Number(s)** EPA Registration: 55852-3  
**UN/ID No** UN1791

### Recommended use of the chemical and restrictions on use

**Recommended Use** Pool sanitizer/shock.

### Details of the supplier of the safety data sheet

#### **Supplier Address**

Champion Packaging & Distribution, Inc.  
1840 Internationale Pkwy  
Woodridge, IL 60517

### Emergency Telephone Number

**Company Phone Number** 630-972-0100  
**Emergency Telephone (24 hr)** INFOTRAC 1-352-323-3500 (International)  
1-800-535-5053 (North America)

## 2. HAZARDS IDENTIFICATION

**Appearance** Clear to yellow liquid      **Physical State** Liquid      **Odor** Pungent, irritating, that of household bleach

### Classification

Skin corrosion/irritation	Category 1 Sub-category C
Serious eye damage/eye irritation	Category 1

### Signal Word

**Danger**

### Hazard Statements

Causes severe skin burns and eye damage



### Precautionary Statements - Prevention

Do not breathe dust/fume/gas/mist/vapors/spray  
Wash face, hands and any exposed skin thoroughly after handling  
Wear protective gloves/protective clothing/eye protection/face protection



**Unsuitable Extinguishing Media** Not determined.

**Specific Hazards Arising from the Chemical**

Not considered to be a fire hazard. Not considered to be an explosion hazard.

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures**

**Personal Precautions** Use personal protective equipment as required.

**Environmental Precautions** See Section 12 for additional Ecological Information.

**Methods and material for containment and cleaning up**

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

**Methods for Clean-Up** Move unprotected personnel upwind out of danger. Dilute with water and flush to local sewer system, if permitted. Solid waste must be disposed of in a permitted waste management facility. Ensure compliance with local, state and federal regulations.

**7. HANDLING AND STORAGE**

**Precautions for safe handling**

**Advice on Safe Handling** Handle in accordance with good industrial hygiene and safety practice. Do not breathe dust/fume/gas/mist/vapors/spray. Wash face, hands, and any exposed skin thoroughly after handling. Wear protective gloves/protective clothing and eye/face protection.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Store locked up. Store in a cool, dry, well-ventilated place. Protect container from physical damage. Store away from incompatible materials.

**Incompatible Materials** Reacts vigorously with Amine, Ammonium Acetate, Ammonium Oxalate, Acids and most organics.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Exposure Guidelines** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies

**Appropriate engineering controls**

**Engineering Controls** Local exhaust ventilation recommended. Eyewash stations. Showers.

**Individual protection measures, such as personal protective equipment**

**Eye/Face Protection** Use chemical safety goggles impervious to product. Contact lenses should not be worn when working with this material.

**Skin and Body Protection** Wear impervious protective clothing including boots, gloves, lab coat, apron, or coveralls to prevent skin contact.

**Respiratory Protection** (NIOSH Approved) Recommended for all personnel working in or about an area of potential exposure.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Information on basic physical and chemical properties**

<b>Physical State</b>	Liquid	<b>Odor</b>	Pungent, irritating, that of household bleach
<b>Appearance</b>	Clear to yellow liquid	<b>Odor Threshold</b>	Not determined
<b>Color</b>	Clear to yellow		
<b><u>Property</u></b>	<b><u>Values</u></b>	<b><u>Remarks • Method</u></b>	
pH	12.3-12.9		
Melting Point/Freezing Point	Not determined		
Boiling Point/Boiling Range	Decomposes prior to boiling		
Flash Point	Not determined		
Evaporation Rate	Not Applicable		
Flammability (Solid, Gas)	Liquid- Not applicable		
Upper Flammability Limits	Not determined		
Lower Flammability Limit	Not determined		
Vapor Pressure	Approximately that of air		
Vapor Density	Not determined		
Specific Gravity	1.200	at 15.6° C (60° F)	
Water Solubility	Completely soluble		
Solubility in other solvents	Not determined		
Partition Coefficient	Not determined		
Auto-ignition Temperature	Not determined		
Decomposition Temperature	Not determined		
Kinematic Viscosity	Not determined		
Dynamic Viscosity	Not determined		
Explosive Properties	Not determined		
Oxidizing Properties	Not determined		

**10. STABILITY AND REACTIVITY**

**Reactivity**

Not reactive under normal conditions.

**Chemical Stability**

Stable under ordinary conditions of use and storage. Unstable at elevated temperatures.

**Possibility of Hazardous Reactions**

None under normal processing.

**Hazardous Polymerization** This substance does not polymerize.

**Conditions to Avoid**

Excessive heat and fire. Incompatible Materials.

**Incompatible Materials**

Reacts vigorously with Amine, Ammonium Acetate, Ammonium Oxalate, Acids and most organics.

**Hazardous Decomposition Products**

Decomposes under various mechanisms. May generate chlorine or oxygen which can be toxic and explosive, respectively.

**11. TOXICOLOGICAL INFORMATION**

**Information on likely routes of exposure**

**Product Information**

- Eye Contact** Causes severe eye damage.
- Skin Contact** Causes severe skin burns.
- Inhalation** Do not inhale.
- Ingestion** Do not ingest.

**Component Information**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Sodium hypochlorite 7681-52-9	= 8200 mg/kg ( Rat )	> 10000 mg/kg ( Rabbit )	-

**Information on physical, chemical and toxicological effects**

**Symptoms** Please see section 4 of this SDS for symptoms.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Carcinogenicity** Group 3 IARC components are "not classifiable as human carcinogens".

Chemical Name	ACGIH	IARC	NTP	OSHA
Sodium hypochlorite 7681-52-9		Group 3		

**Legend**

*IARC (International Agency for Research on Cancer)  
Group 3 IARC components are "not classifiable as human carcinogens"*

**Numerical measures of toxicity**

Not determined

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

Very toxic to aquatic life with long lasting effects.

**Component Information**

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Sodium hypochlorite 7681-52-9	0.095: 24 h Skeletonema costatum mg/L EC50	0.06 - 0.11: 96 h Pimephales promelas mg/L LC50 flow-through 4.5 - 7.6: 96 h Pimephales promelas mg/L LC50 static 0.4 - 0.8: 96 h Lepomis macrochirus mg/L LC50 static 0.28 - 1: 96 h Lepomis macrochirus mg/L LC50 flow-through 0.05 - 0.771: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 0.03 - 0.19: 96 h Oncorhynchus mykiss mg/L LC50 semi-static 0.18 - 0.22: 96 h Oncorhynchus mykiss mg/L LC50 static		2.1: 96 h Daphnia magna mg/L EC50 0.033 - 0.044: 48 h Daphnia magna mg/L EC50 Static

**Persistence/Degradability**

Not determined.

**Bioaccumulation**

Not determined.

**Mobility**

Not determined

**Other Adverse Effects**

Not determined

**13. DISPOSAL CONSIDERATIONS**

**Waste Treatment Methods**

- Disposal of Wastes**                      Disposal should be in accordance with applicable regional, national and local laws and regulations.
  
- Contaminated Packaging**              Disposal should be in accordance with applicable regional, national and local laws and regulations.

**14. TRANSPORT INFORMATION**

**Note**    For combination packagings (e.g. boxes) containing inner packagings (e.g. bottles) of 5 L (1.33 gal) or less, the product is shipped as a limited quantity per 49 CFR 173.154(b). For IBC's "totes", the product is shipped as UN1791, HYPOCHLORITE SOLUTION (SODIUM HYPOCHLORITE), 8, III, RQ.

**DOT**

- UN/ID No**                                      UN1791
- Proper Shipping Name**                  Hypochlorite solution
- Hazard Class**                                8
- Packing Group**                              III

**IATA**

- Proper Shipping Name**                  The product as packaged is not approved for air transportation.

**IMDG**

- UN/ID No**                                      UN1791
- Proper Shipping Name**                  Hypochlorite solution
- Hazard Class**                                8
- Packing Group**                              III
- Marine Pollutant**                          Sodium hypochlorite
- Description**                                  For combination packagings (e.g. boxes) containing inner packagings (e.g. bottles) of 5 L (1.33 gal) or less, the product is shipped as a limited quantity per IMDG Code Chapter 3.4.

**15. REGULATORY INFORMATION**

**International Inventories**

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Sodium hypochlorite	Present	X		Present		Present	X	Present	X	X

**Legend:**  
*TSCA - United States Toxic Substances Control Act Section 8(b) Inventory*  
*DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List*  
*EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances*

*ENCS - Japan Existing and New Chemical Substances*  
*IECSC - China Inventory of Existing Chemical Substances*  
*KECL - Korean Existing and Evaluated Chemical Substances*  
*PICCS - Philippines Inventory of Chemicals and Chemical Substances*  
*AICS - Australian Inventory of Chemical Substances*

**US Federal Regulations****CERCLA**

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Sodium hypochlorite 7681-52-9	100 lb		RQ 100 lb final RQ RQ 45.4 kg final RQ

**SARA 313**

Not determined

**CWA (Clean Water Act)**

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Sodium hypochlorite	100 lb			X

**US State Regulations****California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Sodium hypochlorite 7681-52-9	X	X	X

**16. OTHER INFORMATION**

<b><u>NFPA</u></b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Instability</b>	<b>Special Hazards</b>
	3	0	2	Not determined
<b><u>HMIS</u></b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Physical Hazards</b>	<b>Personal Protection</b>
	3	0	2	Not determined

**Issue Date:** 01-May-2007  
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**Revision Note:** Correct typographical errors

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**