

## MATERIAL SAFETY DATA SHEET

### 1. PRODUCT & COMPANY IDENTIFICATION

**Product Name:** Pac-Chlor  
**Company:** Pace International, LLC  
**Address:** Office Manufacturing / Distribution  
1201 3rd Avenue, Suite 5450 5661 Branch Road  
Seattle, WA 98101 Wapato, WA 98951  
**Emergency Phone Number:** 800.424.9300 (CHEMTREC)

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

#### Hazardous Components

CAS #	Component	%	Exposure Limits
7681-52-9	sodium hypochlorite	10	Not established
1310-73-2	sodium hydroxide	< 5	2 mg/m <sup>3</sup>

#### Other Components

proprietary

### 3. HAZARDS IDENTIFICATION

Corrosive. May cause severe skin irritation or chemical burns to broken skin. Causes eye damage. Do not get in eyes, on skin or on clothing. Wear goggles or face shield and rubber gloves when handling this product. Wash after handling. Avoid breathing vapors. Vacate poorly ventilated areas as soon as possible. Do not return until odors have dissipated.

### 4. FIRST AID MEASURES

**If on Skin:** 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.

**If in Eyes:** Hold eye open and rinse slowly and gently 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 treatment advice.

**If Swallowed:** 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.

**If Inhaled:** 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 further treatment advice.

### 5. FIRE FIGHTING MEASURES

**Extinguishing Media:** Flood with water or carbon dioxide (CO<sub>2</sub>).

**Special Exposure Hazards:** Material is a strong oxidizer. Contact with combustibles may initiate or promote combustion. Acid and heat accelerate decomposition. Decomposition products may include chlorine.

**Special Protective Equipment for Firefighters:** Use NIOSH approved respirator with acid type canister or wear self-contained breathing equipment.

### 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** See Section 8 for personal protection measures.

**Environmental Precautions:** Contain in diked area.



**Methods for Cleaning Up:** Neutralize with sodium bisulfite or ferrous salt solutions. Absorb with an inert material such as sand or vermiculite and place in an appropriate container for disposal.

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## 7. HANDLING & STORAGE

**Handling:** Good standards of hygiene should be maintained at all times. For personal protection measures, see section 8.

**Storage:** Store in a cool, dry area at room temperature. Keep container tightly closed when not in use.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Protective Clothing:** Wear impervious clothing and chemical resistant gloves when handling. Chemical resistant splash apron and boots are also recommended.

**Respiratory Protection:** A NIOSH-approved respirator is recommended in misty environments.

**Eye Protection:** Chemical goggles or full face shield are recommended. Eye fountain and washing facilities should be present at work area.

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## 9. PHYSICAL & CHEMICAL PROPERTIES

**Appearance:** Yellow-green liquid

**Odor:** chlorine

**Boiling Point:** 219°F (104°C)

**Freezing Point:** -11°F (-24°C)

**Flash Point:** Not flammable

**Flammable Limits:** Not applicable

**Explosive Properties:** No data available

**Oxidizing Properties:** Strong oxidizing agent

**Vapor Pressure:** Not available

**pH (@ 25°C):** 12.5 – 13.5

**Specific Gravity:** 1.175 (H<sub>2</sub>O=1)

**Solubility in Water:** 100% soluble

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## 10. STABILITY & REACTIVITY

**Conditions/Materials to Avoid:** Acids, alcohols, amines, ammonia, chlorinated isocyanurates, combustibles, cyanides, detergents, ethers, hydrocarbons, oxidizable materials, reducing agents.

**Hazardous Decomposition Products:** Hypochlorous acid, chlorine, hydrochloric acid. Composition depends upon temperature and decrease in pH. Additional decomposition products, which depend upon pH, temperature and time, are sodium chloride, sodium chlorate and oxygen.

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## 11. TOXICOLOGICAL INFORMATION

**Acute Oral:** LD<sub>50</sub> oral (rat): 5000 mg/kg

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## 12. ECOLOGICAL INFORMATION

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 CONSIDERATIONS

Product or rinsates that cannot be used should be diluted with water before disposal in a sanitary sewer. Do not reuse empty container but place in trash collection. Do not contaminate food or feed by storage, disposal or cleaning of equipment.



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#### 14. TRANSPORT INFORMATION

**Proper Shipping Name:** Hypochlorite solution  
**Hazard Class:** 8  
**UN Number:** UN 1791  
**Packing Group:** III

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#### 15. REGULATORY INFORMATION

**CA Prop. 65:** This product contains no chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

**FIFRA:** Pac-Chlor is registered with the U.S. EPA under registration number 1744-20002-64864.

**SARA 313:** Contains no chemicals subject to SARA Title III Section 313 in quantities sufficient to trigger reporting requirements.

**TSCA:** All components of this product are included or exempt from inclusion in EPA's Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

**WHMIS:** This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

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#### 16. OTHER INFORMATION

**HMIS Ratings:** Health – 3      Flammability – 0      Reactivity – 1

The information herein is believed to be accurate and represents the best information currently available. However, Pace International LLC makes no warranty of merchantability or any other warranty, express or implied, with respect to such information, and assumes no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes.

**MSDS Revision Date:** 05/17/07

**Supersedes:** 03/26/07

