

## MATERIAL SAFETY DATA SHEET

### 1. PRODUCT & COMPANY IDENTIFICATION

**Product Name:** Acidex  
**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     |
|------------|-----------------------------|------|---------------------|
| 7664-38-2  | phosphoric acid             | < 10 | 1 mg/m <sup>3</sup> |
| 27176-87-0 | dodecylbenzenesulfonic acid | < 5  | Not established     |

#### Other Components

proprietary

### 3. HAZARDS IDENTIFICATION

May cause eye and skin irritation or burns. May cause burns to esophagus or gastrointestinal tract upon ingestion. Do not swallow. Avoid contact with eyes, skin or clothing.

### 4. FIRST AID MEASURES

**If on Skin:** Take off contaminated clothing. Wash skin immediately with plenty of soap and water. If redness, burning, or irritation develops, get medical attention.  
**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. Get medical attention.  
**If Swallowed:** Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water or milk of magnesia 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:** Not flammable. Use any means suitable for extinguishing surrounding fire. Water spray may be used to keep fire exposed containers cool.

**Special Exposure Hazards:** None known.

**Special Protective Equipment for Firefighters:** Wear self-contained breathing equipment.

### 6. ACCIDENTAL RELEASE MEASURES

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

**Environmental Precautions:** Do not flush to sewer.

**Methods for Cleaning Up:** Neutralize with alkaline material and then absorb with an inert material such as sand or vermiculite and place in an appropriate container for disposal.



---

## 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.

---

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- Protective Clothing:** Wear impervious clothing and chemical resistant gloves when handling.
- 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.

---

## 9. PHYSICAL & CHEMICAL PROPERTIES

- Appearance:** Pale amber liquid
- Odor:** sharp, acidic
- Boiling Point:** 212°F (100°C)
- Flash Point:** Not flammable
- Flammable Limits:** Not applicable
- Explosive Properties:** No data available
- Oxidizing Properties:** No oxidizing properties
- Vapor Pressure:** Not available
- pH (@ 25°C):** Not available
- Specific Gravity:** 1.05 (H<sub>2</sub>O=1)
- Solubility in Water:** 100% soluble

---

## 10. STABILITY & REACTIVITY

- Conditions/Materials to Avoid:** Phosphoric acid may react with strong oxidizing or reducing agents.
- Hazardous Decomposition Products:** Phosphorous oxides may form when heated to decomposition.

---

## 11. TOXICOLOGICAL INFORMATION

No data available on the product as formulated. Information is hereby provided for individual formula components previously identified as hazardous:

**Phosphoric Acid**

- Acute Oral:** LD<sub>50</sub> oral (rat): 1530 mg/kg
- Acute Dermal:** LD<sub>50</sub> dermal (rabbit): > 2740 mg/kg

---

## 12. ECOLOGICAL INFORMATION

No data available on the product as formulated. Information is hereby provided for individual formula components previously identified as hazardous:

**Phosphoric Acid**

- Acute toxicity: Mosquitofish, LC<sub>50</sub> (96h): 138 mg/L

---

## 13. DISPOSAL CONSIDERATIONS

Recover or recycle if possible. Disposal should be made in accordance with applicable regional, national and local laws and regulations. Local regulations may be more stringent than regional or national requirements.

---

## 14. TRANSPORT INFORMATION

- Proper Shipping Name:** Corrosive liquids, n.o.s. (phosphoric acid)
- Hazard Class:** 8
- UN Number:** UN 1760
- Packing Group:** II



---

**15. REGULATORY INFORMATION**

- CA Prop. 65:** This product may contain trace amounts of Naphthalene (CAS # 91-20-3), a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.
- 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.

---

**16. OTHER INFORMATION**

**HMIS Ratings:** Health – 2                      Flammability – 0                      Reactivity – 0

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:** 12/04/09

**Supersedes:** 05/17/07

