

SAFETY DATA SHEET

1. PRODUCT & COMPANY IDENTIFICATION

Product Name: Acidex
Product Code: 10001
Product Use: Hard Water "Bloom" Remover for Apples
Supplier: Pace International, LLC
Address: 5661 Branch Road, Wapato, WA 98951
Phone Number: 800-936-6750 (Monday-Friday, 7:00 a.m. – 4:00 p.m.)
Medical Emergency Phone Number: 888-271-4649 (PROSAR)
Transportation Emergency Phone Number: 800-424-9300 (CHEMTREC)

2. HAZARDS IDENTIFICATION

Classification:
 Physical, CORROSIVE, Category 1
 Acute Oral, Category 5
 Skin irritation, Category 1
 Eye irritation, Category 1
 Acute Aquatic, Category 3

Hazard Symbols:



Hazard Statements:
 DANGER
 H290 May be corrosive to metals.
 H303 May be harmful if swallowed.
 H314 Causes severe skin burns and eye damage.
 H318 Causes serious eye damage.
 H402 Harmful to aquatic life.

Precautionary Statements:
Prevention Statements:
 P234 Keep only in original container.
 P260 Do not breathe mists.
 P264 Wash hands thoroughly after handling.
 P280 Wear impermeable clothing, safety goggles or face shield and chemical resistant gloves.
 P273 Avoid release to the environment.
Response Statements:
 P390 Absorb spillage to prevent material damage.
 P312 Call a POISON CENTER or doctor if you feel unwell.
 P301/330/331 IF SWALLOWED: Rinse mouth. Do not induce vomiting.
 P303/361/353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
 P363 Wash contaminated clothing before reuse.
 P304/340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P310 Immediately call a POISON CENTER or doctor for medical advice.
 P321 Specific treatments see Section 4 First Aid Measures.
 P305/351/338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Storage Statements:
 P406 Store in corrosive resistant container with a resistant inner liner.
 P405 Store locked up.
Disposal Statements:
 P501 Dispose of contents/container should be made in accordance with applicable regional, national and local laws and regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Ingredient</u>	<u>CAS #</u>	<u>Concentration (w/w %)</u>
Phosphoric Acid	7664-38-2	< 10 %
dodecylbenzene sulfonic acid	27176-87-0	< 6 %
Sodium dodecylbenzenesulfonate	25155-30-0	< 6 %
Proprietary ingredients		Balance



4. FIRST AID MEASURES

General	Have the product container, label or Safety Data Sheet with you when calling a poison control center or physician, or going for treatment.
Advice:	
If on Skin:	Take off contaminated clothing. Wash skin with plenty of soap and water. If redness, burning, or irritation persists, get medical advice/attention. Wash contaminated clothing before reuse.
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 advice/attention.
If Swallowed:	Call a poison control center or doctor for treatment advice. 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, and then give artificial respiration, preferably mouth-to-mouth, if possible.

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 / Procedures for Firefighters:	Wear self-contained breathing equipment.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Wear impermeable clothing, safety goggles or face shield, and chemical resistant gloves.
Environmental Precautions:	In case of spill isolate area and deny entry to unnecessary personnel. Do not allow product to enter sewers, lakes, streams or other bodies of water.
Containment / Clean-Up Methods:	Stop spill at the source. Construct temporary dikes of dirt, sand, or other appropriate material to prevent spreading of the material. Neutralize with alkaline material then absorb with an inert material such as sand or vermiculite and place in an appropriate container for disposal.

7. HANDLING & STORAGE

Handling:	Avoid contact with skin and eyes. Good standards of hygiene should be maintained at all times. Smoking, eating, and drinking are prohibited in the work area. For personal protection wear impermeable clothing, safety goggles or face shield and chemical resistant gloves.
Storage:	Store in a cool, dry area at room temperature, and away from direct sunlight. Store in corrosive resistant container with a resistant inner liner. Keep container tightly closed when not in use. Keep out of reach of children and livestock. Store in locked location.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits:	Phosphoric Acid CAS# 7664-38-2 1 mg/m ³ (OSHA 8-hr PEL, Cal/OSHA, NIOSH REL, ACGIH TLV) Dodecylbenzene Sulfonic Acid CAS# 27176-87-0 OSHA PEL 1 mg/m ³ , ACGIH TLV mg/m ³ Sodium dodecylbenzenesulfonate Not available.
Engineering Controls:	Local exhaust ventilation maybe necessary to control air contaminants to their exposure limits. The use of local ventilation is recommended to control emissions near the source. Provide mechanical ventilation for confined spaces.



**Personal Protective
Equipment :**



Clothing: Wear impermeable clothing and chemical resistant gloves when handling.

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

Respiratory Protection: Not normally required. A NIOSH-approved respirator with organic vapor filter may be used in misty environments without proper ventilation.

9. PHYSICAL & CHEMICAL PROPERTIES

Physical state:	Liquid		
Appearance:	Pale amber liquid	Upper/Lower flammability limits:	Not available
Odor:	Sharp, acidic	Vapor pressure:	Not available
Odor threshold:	Not available	Vapor density: (air =1)	Not available
pH:	Not available	Specific Gravity: (H₂O = 1)	1.047
Melting/Freezing point:	Not available	Solubility:	soluble in water
Boiling point:	212°F (100°C)	Partition coefficient (n-octanol-water):	Not available
Flash point:	Not flammable	Auto-ignition temperature:	Not available
Evaporation rate:	Not available	Decomposition temperature:	Not available
Flammability (solid, gas):	Not applicable	Viscosity:	Not available

10. STABILITY & REACTIVITY

Reactivity hazards:	None known
Chemical stability:	Stable at ambient conditions
Conditions to avoid:	None known
Incompatible materials:	Phosphoric acid may react with strong oxidizing or reducing agents.
Hazardous decomposition products:	Phosphorous oxides may form when heated to decomposition.

11. TOXICOLOGICAL INFORMATION

Acute toxicity:	Acute Oral:	LD ₅₀ (estimate): > 4000 mg/kg	Based on Ingredients
	Acute Dermal:	LD ₅₀ (estimate): > 5000 mg/kg	Based on Ingredients
	Inhalation:	LC ₅₀ (estimate): > 20 mg/L	Based on Ingredients
Skin corrosion/irritation:	Causes severe skin burns.		
Eye damage/irritation:	Causes serious eye damage.		
Respiratory/Skin sensitization:	No evidence of sensitization.		
Germ cell mutagenicity:	Not available		
Carcinogenicity:	Trace amounts of Sulfuric Acid (CAS# 7664-93-9) and Naphthalene (CAS# 91-20-3) known to the state of California to cause cancer, birth defects or other reproductive harm.		
Reproductive toxicity:	Trace amounts of Sulfuric Acid (CAS# 7664-93-9) and Naphthalene (CAS# 91-20-3) known to the state of California to cause cancer, birth defects or other reproductive harm.		
Target organ effects:	No known target organ effects.		
Aspiration hazard:	Material does not present an aspiration hazard.		
Potential health effects:	CORROSIVE: May cause severe skin burns and eye damage.		



12. ECOLOGICAL INFORMATION

Toxicity:	LC ₅₀ (96-hr) fish: > 35 mg/L (estimate)	Based on Ingredients
Persistence/ degradability:	Not available	
Bioaccumulative potential:	Not available	
Mobility in soil:	Not available	
Other adverse effects:	Dodecylbenzene sulfonic acid is harmful to aquatic life in low concentrations.	

13. DISPOSAL CONSIDERATIONS

Disposal methods:	Recover or recycle if possible. Do not discharge into sewers, lakes, streams, or other bodies of water. Disposal should be made in accordance with applicable regional, national and local laws and regulations. Consult appropriate regulatory officials for information on disposal, keeping in mind that local regulations may be more stringent than regional or national requirements.
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14. TRANSPORT INFORMATION

	<u>DOT</u>	<u>IMDG</u>	<u>IATA</u>
UN number:	UN 1760	Not applicable	Not applicable
Proper shipping name:	Corrosive liquid, n.o.s. (Phosphoric Acid)	Not regulated	Not regulated
Hazard class(es):	8	Not applicable	Not applicable
Packing group:	II	Not applicable	Not applicable
Marine Pollutant:	Not applicable		
Special precautions:	None		

15. REGULATORY INFORMATION

CA Prop. 65	This product may contain trace amounts of Naphthalene (CAS # 91-20-3) and Sulfuric acid (CAS # 7664-93-9), 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 SDS contains all of the information required by the CPR.

16. OTHER INFORMATION

HMIS Ratings:	Health – 3	Flammability – 0	Reactivity – 0
NFPA Ratings:			

The information provided in this Safety Data Sheet (SDS) is provided in good faith and believed to be accurate at the time of preparation of the SDS. However, Pace International, LLC and its subsidiaries or affiliates extend no warranties, make no representations, and assume no responsibility as to the accuracy, suitability, or completeness of such information. Additionally, neither Pace International, LLC nor any of its subsidiaries or affiliates represents or guarantees that this information or product may be used without infringing the intellectual property rights of others. It is the users' own responsibility to determine the suitability of this information for their own particular use of this product. If necessary, contact Pace International, LLC to confirm that you have the most current product label and SDS.



This Safety Data Sheet (SDS) may provide more information than the product label but does not replace or modify the product labeling (attached to and accompanying the product container). The product SDS and the product label both provide consistent and important health, safety, and environmental information as required by the Occupational Health and Safety Act (29 CFR 1910.1200, "Hazcom"). This requirement covers employers, employees, emergency responders, users and others handling the product. All necessary hazard classification and appropriate precautionary, use, storage, and disposal information is set forth on the labeling and the SDS.

SDS preparation date: May 26, 2015

Replaces MSDS dated: December 10, 2012

Changes since last New format to SDS

revision:

