

SAFETY DATA SHEET

1. PRODUCT & COMPANY IDENTIFICATION

Product Name: Acidex MAX
Product Code: 10442
Product Use: Concentrated Calcium 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 4
Acute Dermal, Category 4
Skin irritation, Category 1
Eye irritation, Category 1
Acute Aquatic, Category 3

Hazard Symbols:



Hazard Statements:
DANGER
H290 May be corrosive to metals.
H302 Harmful if swallowed.
H312 Harmful in contact with skin.
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.
P270 Do not eat, drink or smoke when using this product.
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 | < 54 % |
| dodecylbenzene sulfonic acid | 27176-87-0 | < 5 % |
| Sodium dodecylbenzenesulfonate | 25155-30-0 | < 5 % |
| Proprietary ingredients | | Balance |



4. FIRST AID MEASURES

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| 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

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| 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

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| 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

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| 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

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| 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

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| Physical state: | Liquid | | |
| Appearance: | Greenish-gray 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: | 1.0 – 3.0 diluted 1:100 | Specific Gravity: (H₂O = 1) | 1.30 |
| 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

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| 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

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| Acute toxicity: | Acute Oral: | LD ₅₀ (estimate): > 1800 mg/kg | Based on Ingredients |
| | Acute Dermal: | LD ₅₀ (estimate): > 1800 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

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| Toxicity: | LC ₅₀ (96-hr) fish: > 14 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

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|--------------------------|---|
| 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. |
|--------------------------|---|

14. TRANSPORT INFORMATION

| | <u>DOT</u> | <u>IMDG</u> | <u>IATA</u> |
|------------------------------|--|----------------|----------------|
| UN number: | UN 3264 | Not applicable | Not applicable |
| Proper shipping name: | Corrosive liquid, acidic, inorganic 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

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| 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

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

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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.

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Version: 2

Changes since last Section 14, UN number and description

revision:

