

MATERIAL SAFETY DATA SHEET

1. PRODUCT & COMPANY IDENTIFICATION

Product Name: PacRite 425
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
1336-21-6	ammonium hydroxide	< 3	50 ppm TLV
67-63-0	isopropanol	< 2	400 ppm TLV

Other Components

CAS #	Component	%	Exposure Limits
1095-66-5	morpholine oleate	< 5	Not established

And other proprietary food grade ingredients

3. HAZARDS IDENTIFICATION

May cause eye and skin irritation. 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 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.

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: 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:** Not normally required. A NIOSH-approved respirator is recommended in misty environments where exposure limits are likely to be exceeded.
- 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:** slightly hazy amber liquid
- Odor:** faint ammonia-alcohol odor
- 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):** 9.5
- Specific Gravity:** 1.03 (H₂O=1)
- Solubility in Water:** soluble

10. STABILITY & REACTIVITY

- Conditions/Materials to Avoid:** Alkaline metals, copper.
- Hazardous Decomposition Products:** Irritating or poisonous gases may form when heated to decomposition.

11. TOXICOLOGICAL INFORMATION

No toxic or carcinogenic effects are expected due to product being comprised of FDA-approved food-grade ingredients. As there is no specific data available on the product as formulated, information is hereby provided for individual ingredients previously identified as hazardous:

Ammonium Hydroxide

- Acute Oral:** LD₅₀ oral (rat): 350 mg/kg
- Acute Inhalation:** LC₅₀ (rat, 4 hour): 2000 ppm

Isopropanol

- Acute Oral:** LD₅₀ oral (rat): 5800 mg/kg
- Acute Dermal:** LD₅₀ dermal (rabbit): 16.4 ml/kg
- Acute Inhalation:** LC₅₀ (rat, 8 hour): 12,000 ppm

12. ECOLOGICAL INFORMATION

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

Isopropanol

- Acute toxicity:** LC₅₀ (fathead minnow, 96 hour): > 1000 µl/L
 LC₅₀ (golden orfe, 48 hour): 8970 – 9280 mg/L
 LC₅₀ (daphnid, 96 hour): > 1000 µl/L



13. DISPOSAL CONSIDERATIONS

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

Not regulated for transport.

15. REGULATORY INFORMATION

FDA: Food & Drug Administration Act 403(i)(2) requires that fresh produce coated with this product be labeled "Coated with food grade vegetable and/or shellac based wax or resin" on bulk and individual retail/consumer packages.

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 – 1 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: 11/19/09

Supersedes: 05/17/07

