

**MATERIAL SAFETY DATA SHEET****1. PRODUCT & COMPANY IDENTIFICATION****Product Name:** Shield-Brite AP-747**Company:** Pace International, LLC**Address:** Office1201 3rd Avenue, Suite 5450  
Seattle, WA 98101Manufacturing / Distribution5661 Branch Road  
Wapato, WA 98951**Emergency Phone Number:** 800.424.9300 (CHEMTREC)**2. COMPOSITION/INFORMATION ON INGREDIENTS****Hazardous Components**

CAS #	Component	%	Exposure Limits
67-63-0	isopropyl alcohol	< 20	400 ppm

**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, skin and/or respiratory irritation. Avoid contact with eyes, skin or clothing. Do not breathe vapors or mists.

**4. FIRST AID MEASURES**

- If on Skin:** Take off contaminated clothing. Wash skin 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:** Foam, dry chemical, carbon dioxide.**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.

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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.

**Respiratory Protection:** Not normally required. In misty environments where exposure limits are likely to be exceeded, a NIOSH-approved respirator with organic vapor filter is recommended.

**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:** clear amber liquid

**Odor:** alcoholic

**Boiling Point:** Not established

**Flash Point:** 80°F (27°C) closed cup

**Flammable Limits:** (for pure isopropyl alcohol) lower: 2.0 upper: 12.0

**Explosive Properties:** No data available

**Oxidizing Properties:** No oxidizing properties

**Vapor Pressure:** Not available

**pH (@ 25°C):** 7.7

**Specific Gravity:** 1.01 (H<sub>2</sub>O=1)

**Solubility in Water:** soluble

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**10. STABILITY & REACTIVITY**

**Conditions/Materials to Avoid:** Heat, sparks, open flames.

**Hazardous Decomposition Products:** Carbon monoxide and carbon dioxide may form when heated to decomposition.

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**11. TOXICOLOGICAL INFORMATION**

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

**Isopropyl alcohol**

**Acute Oral:** LD<sub>50</sub> oral (rat): 5800 mg/kg

**Acute Dermal:** LD<sub>50</sub> dermal (rabbit): 16.4 ml/kg

**Acute Inhalation:** LC<sub>50</sub> (rat, 8 hr): 12,000 ppm

**Skin Irritation:** slight

**Eye Irritation:** moderate

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**12. ECOLOGICAL INFORMATION**

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

**Isopropyl alcohol**

96 hr LC<sub>50</sub> (fathead minnow): > 1000 µl/L

48 hr LC<sub>50</sub> (golden orfe): 8970 - 9280 mg/L

96 hr LC<sub>50</sub> (daphnid): > 1000 µl/L



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**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.

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**14. TRANSPORT INFORMATION**

**Proper Shipping Name:** Flammable liquids, n.o.s. (Isopropanol)  
**Hazard Class:** 3  
**UN Number:** UN 1993  
**Packing Group:** III

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**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 resin or wax" 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.

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**16. OTHER INFORMATION**

**HMIS Ratings:** Health – 1      Flammability – 3      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:** 12/03/09

**Supersedes:** 05/18/07

