

SAFETY DATA SHEET

1. PRODUCT & COMPANY IDENTIFICATION

Product Name: Shield-Brite[®] AP-450
Product Code: 10408
Product Use: Shellac Coating 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:
Flammable, Category 3
Skin irritation, Category 3
Eye irritation, Category 2A
Skin Sensitization, Category 1
Specific Target Organ Toxicity – single exposure, Category 3
Aquatic Toxicity, Category 4

Hazard Symbols:



Hazard Statements:

WARNING
H226 Flammable liquid and vapour.
H316 Causes mild skin irritation.
H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H413 May cause long lasting harmful effects to aquatic life.

Precautionary Statements:

Prevention Statements:

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P233 Keep container tightly closed.
P240 Ground/Bond container and receiving equipment.
P241 Use explosion-proof electrical/ventilating/lighting/and process equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P280 Wear protective clothing, safety glasses and chemical resistant gloves.
P264 Wash hands thoroughly after handling.
P261 Avoid breathing mist/vapours/ or spray.
P272 Contaminated work clothing should not be allowed out of the workplace.
P271 Use only outdoors or in a well-ventilated area.
P273 Avoid release to the environment.

Response Statements:

P303/361/353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water, shower with plenty of soap and water.
P370/378 In case of fire. Use foam, dry chemical, or carbon dioxide to extinguish.
P332/313 If skin irritation occurs: Get medical advice/attention.
P305/351/338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337/313 If eye irritation persists: Get medical advice/attention.
P302/352 IF ON SKIN: Wash with plenty of soap and water.
P333/313 If skin irritation or rash occurs: Get medical advice/attention.
P321 Specific treatment See Section 4 First Aid Measures.
P362/364 Take off contaminated clothing and wash it before reuse.
P304/340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312 Call a POISON CENTER or Doctor if you feel unwell.

Storage Statements:

P403/235 Store in well ventilated place. Keep cool.
P233 Keep container tightly closed.
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>
Isopropyl Alcohol	67-63-0	< 15 %
Proprietary food grade 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:	Foam, dry chemical, carbon dioxide.
Special Exposure Hazards:	None known.
Special Protective Equipment / Procedures for Firefighters:	Wear self-contained breathing equipment.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Wear protective clothing, safety glasses 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. Absorb with an inert material such as sand or vermiculite and place in an appropriate container for disposal.

7. HANDLING & STORAGE

Handling:	Avoid inhalation and 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 protective clothing, safety glasses and chemical resistant gloves.
Storage:	Store in a cool, dry area, keep cool, and away from direct sunlight. 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:	Isopropyl Alcohol CAS# 67-63-0 400 ppm (OSHA 8-hr PEL, Cal/OSHA, NIOSH REL) 200 ppm ACGIH TLV
Engineering Controls:	Use explosion proof 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 protective clothing, safety glasses and chemical resistant gloves. Eye Protection: Chemical goggles 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:	Clear reddish liquid	Upper/Lower flammability limits:	(for pure isopropyl alcohol) lower: 2.0 upper: 12.0
Odor:	alcoholic	Vapor pressure:	Not available
Odor threshold:	Not available	Vapor density: (air =1)	Not available
pH:	7.0 – 9.0	Specific Gravity: (H₂O = 1)	1.01
Melting/Freezing point:	Not available	Solubility:	Miscible in water
Boiling point:	Not established	Partition coefficient (n-octanol-water):	Not available
Flash point:	91°F (33°C) closed cup	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:	Heat, sparks, open flames.
Incompatible materials:	None known
Hazardous decomposition products:	Carbon monoxide and carbon dioxide may form when heated to decomposition.

11. TOXICOLOGICAL INFORMATION

Acute toxicity:	Acute Oral:	LD ₅₀ (estimate): > 5000 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 mild skin irritation		
Eye damage/irritation:	Causes serious eye irritation		
Respiratory/Skin sensitization:	Contains a rosin ester identified as a potential skin sensitizer. Could cause an allergic reaction.		
Germ cell mutagenicity:	Not available		
Carcinogenicity:	No carcinogenic effects are expected due to product being comprised of FDA-approved food-grade ingredients.		
Reproductive toxicity:	Occasional workplace exposure is not expected to present a hazard.		
Target organ effects:	May cause respiratory irritation if inhaled. Drowsiness and dizziness if ingested.		
Aspiration hazard:	Material does not present an aspiration hazard.		
Potential health effects:	May cause redness and reversible irritation to eyes. Prolonged or repeated contact may cause serious skin irritation.		

12. ECOLOGICAL INFORMATION

Toxicity:	LC ₅₀ (96-hr) fish: > 100 mg/L (estimate)	Based on Ingredients
	Acute Toxicity:	Isopropyl alcohol
	96 hr LC ₅₀ (fathead minnow): > 1000 µl/L	
	48 hr LC ₅₀ (golden orfe): 8970 - 9280 mg/L	
	96 hr LC ₅₀ (daphnid): > 1000 µl/L	
Persistence/ degradability:	Not available	
Bioaccumulative potential:	Not available	
Mobility in soil:	Not available	
Other adverse effects:	May cause long lasting harmful effects to aquatic life.	



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.

14. TRANSPORT INFORMATION

	<u>DOT</u>	<u>IMDG</u>	<u>IATA</u>
UN number:	UN 1993	Not applicable	Not applicable
Proper shipping name:	Flammable liquids, n.o.s. (Isopropanol)	Not regulated	Not regulated
Hazard class(es):	3	Not applicable	Not applicable
Packing group:	III	Not applicable	Not applicable
Marine Pollutant:	Not applicable		
Special precautions:	Keep away from heat/sparks/open flames/hot surfaces. No smoking.		

15. REGULATORY INFORMATION

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 – 1 Flammability – 3 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 12, 2012

Changes since last revision: New format to SDS

