

SAFETY DATA SHEET

1. PRODUCT & COMPANY IDENTIFICATION

Product Name: Shield-Brite[®] AP-34 EU
Product Code: 10351
Product Use: Shellac Apple Coating for Global Markets
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 2
Eye irritation, Category 2A
Specific Target Organ Toxicity-single exposure, Category 3

Hazard Symbols:



Hazard Statements:
WARNING
H226 Flammable liquid and vapour
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation

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.
P271 Use only outdoors or in a well-ventilated area.

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.
P302/352 IF ON SKIN: Wash with plenty of soap and water.
P321 Specific treatment see Section 4 First Aid Measures.
P332/313 If skin irritation occurs: Get medical advice/attention.
P362/364 Take off contaminated clothing and wash it before reuse.
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.
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>
Ethyl alcohol	64-17-5	< 23 %
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:	Ethyl Alcohol: CAS# 64-17-5 1000 ppm (OSHA 8-hr PEL, Cal/OSHA, NIOSH REL, ACGIH TLV ceiling)
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 amber liquid	Upper/Lower flammability limits:	(for 100% ethanol) lower: 3.3 upper: 19.0
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:	80°F (27°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 skin irritation		
Eye damage/irritation:	Causes serious eye irritation		
Respiratory/Skin sensitization:	May cause respiratory irritation.		
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:	No known target organ effects.		
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 skin irritation.		

12. ECOLOGICAL INFORMATION

Toxicity:	LC ₅₀ (96-hr) fish: > 100 mg/L (estimate)	Based on Ingredients
	Acute Toxicity:	Ethyl Alcohol
	Rainbow Trout, LC ₅₀ (96-hr): >10,000 mg/l	
	Fathead Minnow, LC ₅₀ (96-hr): >13,400 mg/l	
	Fresh Water Algae, Growth Inhibition (96-hr): 1,000 mg/l	
Persistence/ degradability:	Not available	
Bioaccumulative potential:	Not available	
Mobility in soil:	Not available	
Other adverse effects:	Not available	

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. (ethyl alcohol)	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:



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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

