

Material Safety Data Sheet

May be used to comply with
OSHA's Hazard Communication Standard,
29 CFR 1910.1200. Standard must be
consulted for specific requirements.

U.S. Department of Labor

Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB. No. 1218-0072



IDENTITY (As Used on Label and List)
UV11 (12) (13) (14) (15) UV Lacquer

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the spaces must be marked to indicate that.

Section I

Manufacturer's Name Theatre Effects	Emergency Telephone Number 301-491-1387
Address (Number, Street, City, State, and ZIP Code) 642 Frederick Street Hagerstown, Maryland 21740-6815	Telephone Number for Information 301-791-7646
	Date Prepared 2/24/99
	Signature of Preparer (optional)

Section II --- Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity: Common name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Shellac		N/A		
Water and Denatured Alcohol		N/A		
		N/A		

Flammable mixture should be kept away from heat, ignition source or open flame. Use in well-ventilated area.

Section III -- Physical/Chemical Characteristics

Boiling Point Shellac: 78.3°C (water-soluble)	N/A	Specific Gravity (H ₂ O = 4 lb. cut Standard Shellac	0.9030
Vapor Pressure (mm Hg.)	N/A	Melting Point	N/A
Vapor Density (AIR = 1)	N/A	Evaporation Rate (Butyl Acetate = 1) 4 lb. cut Standard Shellac	2.3
Solubility in Water	We process the shellac to make it water-soluble		
Appearance and Odor	Transparent / alcohol odor		

Section IV -- Fire and Explosion Hazard Data

Flash point (Method used) 54°F Tag Closed Cup	Flammable Limits Yes	LEL 3.3%	UEL 19%
Extinguishing Media	Carbon Dioxide, dry chemical, Polymer foam, sand and water		
Special Fire Fighting Procedures	none		
Unusual Fire and Explosion Hazards	none		

Section V -- REACTIVITY DATA

Stability	Unstable		Conditions to Avoid	none (Flammable)
	Stable	X		

Incompatibility (*Materials to Avoid*) Acid and oxidizing materials, concentrated nitric and sulfuric acids

Hazardous Decomposition or Byproducts Burning may produce carbon monoxide and/or carbon dioxide

Hazardous Polymerization	May Occur		Conditions to Avoid	none
	Will Not Occur	X		

Section VI -- Health Hazard Data See Toxic Rating Code (Section 9) for Standard Shellac

Route(s) of Entry: N/A Inhalation? Slight Skin? Slight Ingestion? Moderate

Health Hazards (*Acute and Chronic*) Inhaling fumes of solvent to overexposure can cause headache, nausea, drowsiness, vomiting

Carcinogenicity: N/A NTP? N/A ARC Monographs? N/A OSHA Regulated? N/A

Signs and Symptoms of Exposure N/A

Medical Conditions Generally Aggravated by Exposure N/A

Emergency and First Aid Procedures Remove to fresh air and call a physician if symptoms persist.
Wash skin with water for 15 minutes.

Section VII -- Precautions for Safe Handling and Use

Steps to Be taken in Case Material is Released or Spilled Wipe up with rags or disposable cleaning materials

Keep away from heat or sparks

Provide adequate ventilation

Waste Disposal Method Incinerate where permitted under appropriate Federal, State and Local regulations

Precautions to be Taken in Handling and Storing Store in cool place away from high heat, open flame, sparks or oxidizing agents.

Keep out of direct sunlight. Keep containers closed when not in use.

Other Precautions none

Section VIII -- Control Measures

Respiratory Protection (<i>Specify Type</i>)	Air-supplied mask in confined areas	Special	none
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Ventilation	Local Exhaust	preferred	Other	none
	Mechanical (<i>General</i>)	acceptable		

Protective Gloves	plastic gloves	Eye Protection	safety glasses
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Other Protective Clothing or Equipment none required

Work/Hygienic Practices N/A