

J. B. Jewitt Co., Inc.
Homestead Finishing Products

1935 West 96th Street Unit Q
 Cleveland OH 44102-2673
 Telephone: (216) 631-5309

Emergency Assistance

For emergency assistance involving this product call – 216-631-5309

Section 1: Product Identification

Product Name: Shellac Flat

MSDS #: 7080

Date Issued: January 31, 2009

Original **Update**

Reason for Change: Update Section 15 CA Prop 65

Section 2: Hazardous Ingredients

Hazardous Ingredients	CAS Number	OSHA PEL	ACGIH TLV	% By Weight
		(Permissible exposure limit)	(Threshold limit value)	
Isopropyl alcohol	67-63-0	400 ppm	400 ppm (TWA)* 500 ppm (STEL)*	70-80%
Polypropylene hydrocarbon mixture	N/A	15 mg/m ³ (dust)	None established	12-15%
Dipropylene glycol mono-methyl ether	34590-94-8	100 ppm (skin)	100 ppm (skin) 150 ppm (STEL)*	6-10%
Silicon dioxide (synthetic amorphous precipitated silicon dioxide)	112926-00-8 (CAS# 7631-86-9 for TSCA purposes)	20 mppcf (total dust)	10 mg/m ³	6-10%
Polyalkyleneoxide modified polydimethylsiloxane	68938-54-5	None established	None established	<0.5

* TWA = Time weighted average, STEL= Short Term Exposure Limit

Note: All health hazard components above 1% composition and all carcinogens above 0.1% (1000 ppm) composition are listed.

Section 3: Hazard Identification

EMERGENCY OVERVIEW: WARNING! This product is HAZARDOUS by OSHA Hazard Communication definition. This product has been classified in accordance with hazard criteria of the Controlled Product Regulations and the MSDS contains all the information required by the Controlled Products Regulations. This material is hazardous according to the criteria specified by the Canadian Products Acts and its regulations. May cause central nervous system depression. Causes respiratory tract irritation. Aspiration hazard if swallowed. Causes eye irritation. Breathing vapors may cause drowsiness and dizziness. Prolonged or repeated contact causes de-fattening of skin with irritation, drying and cracking.

Hazard Rating: NFPA HMIS
 Health: 1
 Flammability: 3
 Reactivity: 0
 PPE: G

Hazard Rating Scale:
 0= Minimal
 1= Slight
 2= Moderate
 3= Serious
 4= Severe

Note: NFPA and HMIS ratings involve data and interpretations that may vary from company to company. They are intended only for rapid, general identification of the specific hazard. To deal adequately with the safe handling of this, or any, material, all the information in the MSDS must be considered and interpreted by a trained professional.

Potential Health Effects:

- This material has **not been** tested as a whole. The data contained below is based on the properties of the individual components.
 This material has been tested as a whole. The data below is based on the properties of the mixture.

Main Routes of Exposure:

- Inhalation Ingestion
 Skin Absorption Skin or Eye Contact

Effects of Acute (Immediate) Exposure:

Eye Contact	Produces irritation, characterized by a burning sensation, redness, tearing, inflammation and possible corneal injury. May cause transient corneal injury.
Ingestion.....	Causes gastrointestinal irritation with nausea, vomiting and diarrhea. May cause kidney damage. May cause central nervous system depression characterized by excitement followed by headache, dizziness, drowsiness and nausea.
Inhalation.....	Inhalation of high doses may cause central nervous system effects characterized by nausea, headache, dizziness, drowsiness, unconsciousness and coma. May cause narcotic effects in high concentration. Causes upper respiratory tract irritation.
Skin Absorption.....	May be absorbed through intact skin. However, skin absorption has been considered toxicologically insignificant.
Skin Contact.....	May cause irritation with pain and stinging, especially if the skin is abraded.

Effects of Chronic (Long Term) Exposure:

Skin Contact.....	This product has a low potential for allergic skin reactions, however, rare cases of allergic contact dermatitis have been reported.
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Medical Conditions Aggravated by Exposure:

None known

Target Organs Affected:

Central Nervous System, respiratory system, eyes, skin

The components of this material are considered Carcinogenic by:

- Not Applicable
 National Toxicology Program (NTP)
 The International Agency for Research on Cancer (IARC)
 The Occupational Health and Safety Administration (OSHA)

Eye Contact.....	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical aid.
Ingestion.....	Potential for aspiration if swallowed. Get medical aid immediately. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.
Inhalation.....	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.
Skin Contact.....	In case of contact, flush skin with plenty of water. Remove contaminated clothing and shoes. Get medical aid if irritation develops and persists. Wash clothing before re-use.
** Note to the Physician:.....	Urine acetone test may be helpful in diagnosis. Hemodialysis should be considered in severe intoxication. Treat symptomatically and supportively.

Section 5: Fire Fighting Measures

Flash Point Deg. C <input type="checkbox"/> F <input checked="" type="checkbox"/>	> 73 degrees
Auto – Ignition Temperature.....	Not determined
Upper Flammable Limit (% Vol.).....	Not determined
Lower Flammable Limit (% Vol.).....	Not determined
Extinguishing Media.....	Water may be ineffective. Do NOT use straight streams of water. For large fires, use dry chemical, carbon dioxide, alcohol-resistant foam, or water spray. For small fires, use carbon dioxide, dry chemical, dry sand, or alcohol resistant foam. Cool containers with water until well after the fire is out.
Hazardous Combustion Products.....	Oxides of carbon and silicon and other toxic vapors

General Information:

Firefighters should wear full protective equipment and positive pressure self-contained breathing apparatus in pressure-demand mode. Vapors may form an explosive mixture with air. Vapors are heavier than air and may travel to a source of ignition and flash back. Vapors can spread along the ground and collect in low areas. Use water spray to cool fire-exposed container surfaces.

Section 6: Accidental Release Measures

Spill / Leak.....	Use proper personal protective equipment as indicated in Section 8. Stop flow of material. Absorb with inert material (e.g. vermiculite, sand or earth), then place into a suitable container. Clean up spills immediately. Provide ventilation. Remove all sources of ignition. Use a spark-proof tool. For large quantities, use water spray to dilute spill to a non-flammable mixture. A vapor suppressing foam may be used to reduce vapors. Make appropriate notifications as required.
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Section 7: Handling and Storage

Handling Procedures.....	Maintain good personal hygiene. Wash hands and face thoroughly after handling, and before eating, drinking or using tobacco products. Remove contaminated clothing and wash before re-use. Avoid contact with eyes, skin and clothing. Keep containers tightly closed. Do not cut, weld, braze, solder, drill, grind or expose empty containers to heat, sparks or open flames. Use only with adequate ventilation. Avoid breathing vapor or mist.
Storage Needs.....	Observe local regulations. Store in a cool, dry, well-ventilated area away from incompatible materials. Keep containers

closed when not in use. Keep away from heat, sparks or open flames. Keep from contact with oxidizing materials.

Section 8: Exposure Controls / Personal Protection

When selecting personal protective equipment and clothing, follow all manufacturer specifications and recommendations that apply to your specific operations and processing conditions. Take into consideration all working conditions and all chemicals to be handled or processed.

Eye / Type.....	Wear chemical goggles or safety glasses with side shields.
Respiratory /Type.....	A half-face or full-face respirator with organic vapor cartridge is recommended where exposures exceed TLV.
Gloves / Type.....	Wear chemical resistant gloves such as butyl rubber or nitrile.
Clothing / Type.....	Wear long sleeved garment such as a lab coat to prevent skin exposure.
Other / Type.....	Facilities using or storing this product should be equipped with an eyewash facility and safety shower.
Ventilation Requirements.....	General mechanical exhaust or local exhaust is required to keep exposures below TLV.

Section 9: Physical and Chemical Properties

Appearance/Odor.....	Clear, translucent liquid with mild odor
Specific Gravity.....	0.857
Vapor Pressure (mm Hg).....	Not determined
Vapor Density	Heavier than air
Evaporation Rate.....	Faster than n-butyl acetate
Boiling Point (deg. C <input type="checkbox"/> F <input type="checkbox"/>).....	Not determined
Solubility in Water (%W/W).....	Appreciable (>10%)
Freezing Point (deg. C <input type="checkbox"/> F <input type="checkbox"/>).....	Not determined
Melting Point (deg. C <input type="checkbox"/> F <input type="checkbox"/>).....	Not determined

Section 10: Stability and Reactivity

Hazardous Polymerization.....	Will not occur
Stability.....	Stable
Incompatibility.....	Strong oxidizers, aluminum (at high temperatures), strong acids and bases, amines, ammonia, chlorine, isocyanates, ethylene oxide
Conditions to Avoid.....	Ignition sources, excess heat
Hazardous Products of Decomposition....	Oxides of carbon and silicon and other toxic vapors

Section 11: Toxicology Information

Irritancy of Material.....	May cause skin irritation.
Sensitizing Capability of Material.....	Low
Carcinogenicity of Material.....	Not applicable
Teratogenicity	Not applicable
Mutagenicity.....	Not applicable
Reproductive Effects.....	Not applicable
Synergistic Materials.....	Not applicable

Section 12: Ecology Information

Environmental.....	Volatile and water-soluble.
Biodegradability.....	This material has the potential to readily biodegrade.

Section 13: Disposal Considerations

Waste Disposal	Classified as ignitable hazardous waste (D001) when disposed as supplied. Waste generators must consult federal, state and local hazardous waste regulations to ensure complete and accurate classification.
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Section 14: Transport Information
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U. N. #	Not applicable
D.O.T. Classification	ORM-D (if packaged in containers less than 1L)

Section 15: Regulatory Information

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|--|---|
| <input checked="" type="checkbox"/> TSCA | <input checked="" type="checkbox"/> Components of this product are listed on the TSCA Inventory or are exempt. |
| <input checked="" type="checkbox"/> CERCLA | <input checked="" type="checkbox"/> This product contains reportable quantity (RQ) substances. We recommend you consult local regulations to determine if there may be other local reporting requirements. |
| <input checked="" type="checkbox"/> SARA TITLE III | <input checked="" type="checkbox"/> This product is considered, under applicable definitions, to meet the following categories:
<u>Section 311/312:</u>
Immediate/acute, delayed/chronic, flammable

<u>Section 313:</u> This product contains a toxic chemical(s) for routine annual toxic chemical release reporting under Section 313 (40 CFR 372). This information must be included in all MSDS's copied or distributed for this material:
Isopropyl alcohol (CAS # 67-63-0) |
| <input checked="" type="checkbox"/> CALIFORNIA PROPOSITION 65 | <input type="checkbox"/> This product contains does not contain chemicals known to
The State of California to cause cancer or reproductive Toxicity. |
| <input checked="" type="checkbox"/> STATE RIGHT-TO-KNOW LISTING | <input checked="" type="checkbox"/> <u>California:</u>
Isopropyl alcohol (CAS # 67-63-0)

<u>Florida:</u>
Isopropyl alcohol (CAS # 67-63-0)

<u>Massachusetts:</u>
Isopropyl alcohol (CAS # 67-63-0)
Dipropylene Glycol Monomethyl Ether (CAS# 34590-94-8)

<u>Minnesota:</u>
Isopropyl alcohol (CAS # 67-63-0)

<u>New Jersey:</u>
Isopropyl alcohol (CAS # 67-63-0)
Polypropylene hydrocarbon mixture
Polyalkyleneoxide modified polydimethylsiloxane (CAS# 68938-54-5)
<u>Pennsylvania:</u>
Isopropyl alcohol (CAS # 67-63-0)
Dipropylene Glycol Monomethyl Ether (CAS# 34590-94-8) |
| <input checked="" type="checkbox"/> CANADA | <input checked="" type="checkbox"/> <u>Domestic Substances List:</u>
Isopropyl alcohol (CAS # 67-63-0)
Polypropylene hydrocarbon mixture |

Dipropylene Glycol Monomethyl Ether (CAS# 34590-94-8)

Ingredient Disclosure List:

Isopropyl alcohol (CAS # 67-63-0)

WHMIS classification:

B2, D2B

Section 16: Other Information

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. This information is based on the material as manufactured; it may not be valid for this material if used in combination with any other materials or in any process. J.B. Jewitt Co., Inc. /Homestead Finishing Products shall not be held liable for any damage resulting from handling or from contact with the product(s).