



B603-0905 Violin Varnish  
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 603-0905

# MATERIAL SAFETY DATA SHEET

RPM Wood Finishes Group  
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EMERGENCY PHONE (CHEM TREC): ..... 1-800-424-9300  
 FOR ALL INTERNATIONAL TRANSPORTATION ACCIDENTS. .... 1-703-527-3887 (collect)

Health: 2                      Flammability: 3                      Reactivity 0

PRODUCT NAME: B603-0905 Violin Varnish

## I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

REVISION DATE:                      07/01/03  
 SUPERCEDES:                        13/02/02  
 MSDS NO.                              B603-0905

## II. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	%	CAS #	PEL
Ethanol	41-50	64-17-5	1000 ppm TWA; 1900 mg/m3 TWA
shellac	31-40	9000-59-3	No PEL established
sec-Butyl alcohol	1-10	78-92-2	150 ppm TWA; 450 mg/m3 TWA
n-Propyl acetate	1-10	109-60-4	200 ppm TWA; 840 mg/m3 TWA
isopropanol	1-10	67-63-0	400 ppm TWA; 980 mg/m3 TWA
sandarac	1-10	9000-57-1	No PEL established
mastic	1-10	61789-92-2	No PEL established

## III. HAZARDS IDENTIFICATION

**Routes of Entry:** Inhalation., Ingestion., Skin contact., Eye contact., Absorption.  
**Medical Conditions Aggravated:** Eye disease. Liver disease. Skin disease including eczema and sensitization.  
 Respiratory disease including asthma and bronchitis.

### Immediate (Acute) Health Effects

**Inhalation:** Irritation may be delayed for several hours. Can cause moderate respiratory irritation, dizziness, weakness, fatigue, nausea and headache.

**Skin Contact:** Can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.

**Eye Contact:** Can cause moderate irritation, tearing and reddening, but not likely to permanently injure eye tissue. Contact with the eyes may cause moderate to severe eye injury. Eye contact may result in tearing and reddening, but not likely to permanently injure eye tissue. Temporary vision impairment (cloudy or blurred vision) is possible.

**Skin Absorption:** Harmful if absorbed through the skin. May cause severe irritation and systemic damage. No absorption hazard in normal industrial use.

**Ingestion:** Irritating to mouth, throat, and stomach. Can cause abdominal discomfort, nausea, vomiting and diarrhea.

**Target Organ Acute Toxicity:**

Ethyl alcohol	respiratory system, skin, eyes, CNS, liver, blood, reproductive system
n-Butyl alcohol	eyes, CNS, skin, respiratory system
n-Propyl acetate	skin, eyes, CNS, respiratory system
Isopropyl alcohol	eyes, skin, respiratory system

**Long-Term (Chronic) Health Effects:**

**Carcinogenicity:** None of the substances have been shown to cause cancer in long term animal studies. Not a carcinogen according to NTP, IARC, or OSHA.

**Mutagenicity:** No data available to indicate product or any components present at greater than 0.1% is mutagenic or genotoxic.

**Inhalation:** Upon prolonged and/or repeated exposure, can cause moderate respiratory irritation, dizziness, weakness, fatigue, nausea and headache.

**Skin Contact:** Upon prolonged or repeated contact, can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.

**Eye Contact:** Upon prolonged or repeated contact, can cause moderate to severe eye injury. Eye contact may result in tearing and reddening, but not likely to permanently injure eye tissue. Temporary vision impairment (cloudy or blurred vision) is possible.

**Skin Absorption:** Upon prolonged or repeated exposure, harmful if absorbed through the skin. May cause severe irritation and systemic damage.

**Target Organ Chronic Toxicity:** Eyes. Blood. Liver. Skin. Nervous System. Respiratory Tract.

**Supplemental Health Hazard Information:** No additional health information available.

**IV. FIRST AID**

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**Inhalation:** Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen. Remove to fresh air. Get medical attention immediately. Have a trained individual administer humidified oxygen. If not breathing, give artificial respiration.

**Eyes:** Flush eyes with plenty of water for at least 20 minutes retracting eyelids often. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Get immediate medical attention. Immediately flush eyes with plenty of water for at least 20 minutes retracting eyelids often. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Get immediate medical attention and monitor the eye daily as advised by your physician.

**Skin Contact:** Wash with soap and water. Get medical attention if irritation develops or persists. Wash with soap and water. Remove contaminated clothing and launder. Get medical attention if irritation develops or persists.

**Ingestion:** Minimal risk of harm if swallowed. Do not induce vomiting. Seek medical attention immediately. Provide medical care provider with this MSDS. Do not induce vomiting and seek medical attention immediately. Drink two glasses of water or milk to dilute. Provide medical care provider with this MSDS.

**Notes to MD:** No additional first aid information available.

## **V. FIRE FIGHTING MEASURES**

### **Flammability Summary:**

**Flash Point:** 58 (CALC.) °F

**Fire Hazards:** Empty containers that retain product residue (liquid, solid/sludge, or vapor) can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose container to heat, flame, sparks, static electricity, or other sources of ignition. Any of these actions can potentially cause an explosion that may lead to injury or death. Container may explode in heat of fire. Vapors may be ignited by heat, sparks, flames or other sources of ignition at or above the low flash point giving rise to a fire (Class B). Vapors are heavier than air and may travel to a source of ignition and flash back.

**Fire Fighting Instructions:** Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment. Fight fire from a safe distance and a protected location due to the potential of hazardous vapors and decomposition products. Flammable component(s) of this material may be lighter than water and burn while floating on the surface. Use water spray/fog for cooling.

**Hazardous Combustion Products:** Carbon monoxide

## **VI. ACCIDENTAL RELEASE MEASURES**

**Health Consideration for Spill Response:** Exposure to the spilled material may be irritating or harmful. Follow personal protective equipment recommendations found in Section VIII of this MSDS. Additional precautions may be necessary based on special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred. Also consider the expertise of employees in the area responding to the spill.

**Spill Mitigation Procedures General Methods:** Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section VIII at a minimum. Dike with suitable absorbent material like granulated clay. Gather and store in a sealed container pending a waste disposal evaluation.

## VII. HANDLING AND STORAGE

- Handling:** Wash thoroughly after handling. Avoid contact with material. Ground and bond containers when transferring material. Keep in air-tight containers- material is hygroscopic. "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. Use spark-proof tools and explosion-proof equipment. Remove contaminated clothing and wash before reuse. Harmful or irritating material. Avoid contact and avoid breathing the material. Use only in a well ventilated area.
- Storage:** Do not store near combustible materials. Keep container closed when not in use. Keep away from heat, sparks, and flame. Store in a cool dry ventilated location. Isolate from incompatible materials and conditions. Keep container(s) closed.

## VIII. ENGINEERING CONTROLS AND PERSONAL PROTECTIVE EQUIPMENT

- Engineering Controls:** Facilities storing or using this material should be equipped with an eyewash and safety shower. Explosion proof exhaust ventilation should be used. No exposure limits exist for the constituents of this product. Use local exhaust ventilation or other engineering controls to minimize exposures and maintain operator comfort.
- Protective Equipment**
- Respiratory Tract:** Respirators should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134) and ANSI's standard for respiratory protection (Z88.2-1992). A written respiratory protection program, including provisions for medical certification, training, fit testing, exposure assessments, maintenance, inspection, cleaning, and convenient, sanitary storage should be implemented.
- Eyes:** Wear chemically resistant safety glasses with side shields when handling this product. Wear additional eye protection such as chemical splash goggles and/or face shield when the possibility exists for eye contact with splashing or spraying liquid, or airborne material. Do not wear contact lenses. Have an eye wash station available.
- Skin:** Avoid skin contact by wearing chemically resistant gloves, an apron and other protective equipment depending upon conditions of use. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work.

## IX. PHYSICAL DATA

- Physical State:** CLOUDY LIQUID
- Odor:** MODERATELY STRONG ALCOHOL
- Solids Vol %:** 31.9658
- Solids Wt %:** 41.0446
- Material VOC lbs/gal:** 4.5345
- Material VOC gms/l:** 544.5573
- Coatings VOC lbs/gal:** 4.5345
- Coatings VOC gms/l:** 544.5573
- Weight per gallon:** 7.709

## X. STABILITY AND REACTIVITY

- Stability Information:** Stable under normal conditions.

**Conditions to Avoid:** Contamination. None known.

**Chemical Incompatibility:** Acids. Acetic anhydride. Peroxides. Oxidizing materials. Strong oxidizing agents. Nitrogen oxides. Strong acids. Strong alkalies.

## **XI. TOXICOLOGICAL INFORMATION**

<b>Chemical Name</b>	<b>CAS Number</b>	<b>LD50/LC50</b>
Ethyl alcohol	64-17-5	Inhalation LC50 Rat : 20000 ppm/10H; Inhalation LC50 Mouse : 39 gm/m <sup>3</sup> /4H; Oral LD50 Rat : 7060 mg/kg; Oral LD50 Mouse : 3450 mg/kg
sec-Butyl alcohol	78-92-2	Inhalation LC50 Rat : 8000 ppm/4H; Oral LD50 Rat : 790 mg/kg; Oral LD50 Mouse : 2680 mg/kg; Dermal LD50 Rabbit : 3400 mg/kg
Acetic acid, propyl ester	109-60-4	Oral LD50 Rat : 9370 mg/kg; Oral LD50 Mouse : 8300 mg/kg; Dermal LD50 Rabbit : >20 mL/kg
Isopropyl alcohol	67-63-0	Inhalation LC50 Rat : 16000 ppm/8H; Oral LD50 Rat : 5045 mg/kg; Oral LD50 Mouse : 3600 mg/kg; Dermal LD50 Rabbit : 12800 mg/kg
Mastic (resin)	61789-92-2	Dermal LD50 Rabbit : >5 gm/kg

## **XII. ECOLOGICAL INFORMATION**

**Overview (for ingredients):** No data available. This material is not expected to be harmful to the ecology.

## **XIII. DISPOSAL CONSIDERATIONS**

**Waste Description for Spent Product:** Spent or discarded material is a hazardous waste.

**Disposal Methods:** Comply with all Local, State, Federal, and Provincial Environmental Regulations. Dispose of by incineration following Federal, State, Local, or Provincial regulations.

**Potential EPA Waste Codes:** If discarded, this product is considered a RCRA ignitable waste, D001.

### **Components Subject to USEPA Land Disposal Restrictions:**

n-Butyl alcohol	78-92-2	6.2 %
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## **XIV. TRANSPORTATION INFORMATION**

**DOT** Paint, 3, UN 1263, II

## **XV. REGULATORY INFORMATION**

<b>Chemical Name</b>	<b>Regulation</b>	<b>CASRN</b>	<b>%</b>
sec-Butyl alcohol	SARA 313 Reportable:	78-92-2	6.2
Isopropyl alcohol	SARA 313 Reportable:	67-63-0	2.37
Ethyl alcohol	California Proposition 65	64-17-5	47.43
	Developmental Toxicity:		
Ethanol	New Jersey Right To Know:	64-17-5	47.43
Shellac Flakes	New Jersey Right To Know:		
shellac	New Jersey Right To Know:	9000-59-3	37.38
sec-Butyl alcohol	New Jersey Right To Know:	78-92-2	6.2
n-Propyl acetate	New Jersey Right To Know:	109-60-4	2.95
isopropanol	New Jersey Right To Know:	67-63-0	2.37
Mastic	New Jersey Right To Know:		

## **XVI. ADDITIONAL INFORMATION**

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### **Other Information:**

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MSDS glossary.