



B603-2733 Polyurethane Finish

# 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: 2                      Reactivity 0

PRODUCT NAME: B603-2733 Polyurethane Finish

## I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

REVISION DATE: 20/02/02  
SUPERCEDES: None  
MSDS NO. B603-2733

## II. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	%	CAS #	PEL
Solvent naphtha (petroleum) medium aliphatic	51-60	64742-88-7	No PEL established
Alkyd Resin	1-10		No PEL established
1,2,4 -trimethylbenzene	1-10	95-63-6	No PEL established
Cobalt Compounds	<1	7440-48-4	0.1 mg/m3 TWA

## III. HAZARDS IDENTIFICATION

**Routes of Entry:** Skin contact., Eye contact., Inhalation.

**Medical Conditions Aggravated:** No medical conditions affected by exposure.

**Immediate (Acute) Health Effects**

**Inhalation:** Can cause minor respiratory irritation, dizziness, weakness, fatigue, nausea, and headache.

**Skin Contact:** May cause skin sensitization, an allergic reaction, which becomes evident on re exposure to this material. Can cause moderate irritation, tearing and reddening, but not likely to permanently injure eye tissue.

**Eye Contact:** Can cause moderate irritation, tearing and reddening, but not likely to permanently injure eye tissue.

**Skin Absorption:** No component(s) in this product is known to be absorbed through the skin.No absorption hazard in normal industrial use.

**Ingestion:** Aspiration of material into the lungs can cause chemical pneumonitis which can be fatal. Mildly irritating to mouth, throat, and stomach. Can cause abdominal discomfort.

**Target Organ Acute Toxicity:**

1,2,4-Trimethylbenzene eyes, skin, respiratory system, CNS, blood  
Cobalt metal, dust and fume respiratory system, skin

**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.

**Skin Contact:** Prolonged contact with this product can cause reddening, swelling, rash, scaling, or blistering. In those who have developed skin sensitization, these symptoms can develop as a result of contact with a very small amount of the liquid material.

**Skin Absorption:** Skin sensitization, characterized by redness, inflammation, itching and/or burning may result from prolonged or repeated contact with this material.

**Target Organ Chronic Toxicity:** No data.

**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.

**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.

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

**Ingestion:** Induce vomiting as a last measure. Induced vomiting may lead to aspiration of the material into the lungs potentially causing chemical pneumonitis that may be fatal. Minimal risk of harm if swallowed. Do not induce vomiting. Seek medical attention immediately. Provide medical care provider with this MSDS.

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

**V. FIRE FIGHTING MEASURES**

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**Flammability Summary:**

**Flash Point:** 45C; 113F

**Fire Hazards:** Material may be ignited if preheated to temperatures above the flash point in the presence of a source of ignition.

**Fire Fighting Instructions:** Material may be ignited if preheated to temperatures above the flash point in the presence of a source of ignition.

**Hazardous Combustion Products:** Carbon monoxide

## **VI. ACCIDENTAL RELEASE MEASURES**

**Health Consideration for Spill Response:** No health effects expected from the clean-up of this material if contact can be avoided. Follow personal protective equipment recommendations found in Section VIII of this MSDS

**Spill Mitigation Procedures General Methods:** No special spill clean-up considerations. Collect and discard in regular trash.

## **VII. HANDLING AND STORAGE**

**Handling:** Rags or other materials containing this product may oxidize and ignite. All contaminated materials should be isolated immediately to avoid spontaneous combustion. Iron oxide pigments may accelerate this process.

**Storage:**

## **VIII. ENGINEERING CONTROLS AND PERSONAL PROTECTIVE EQUIPMENT**

**Engineering Controls:** Check ventilation codes.

### **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:** COLORED LIQUID  
**Odor:** OILY HYDROCARBON  
**Solids Vol %:** 36.9876

**Solids Wt %:** 43.558  
**Material VOC lbs/gal:** 4.0364  
**Material VOC gms/l:** 484.7339  
**Weight per gallon:** 7.1677

## X. STABILITY AND REACTIVITY

**Stability Information:** Spontaneous combustion can occur.  
**Conditions to Avoid:** None known.  
**Chemical Incompatibility:** Strong oxidizing agents.  
**Hazardous Polymerization:** Hazardous Polymerization will not occur.

## XI. TOXICOLOGICAL INFORMATION

Chemical Name	CAS Number	LD50/LC50
Benzene, 1,2,4-trimethyl-	95-63-6	Inhalation LC50 Rat : 18 gm/m <sup>3</sup> /4H; Oral LD50 Rat : 5 gm/kg
Cobalt	7440-48-4	Oral LD50 Rat : 6171 mg/kg

## XII. ECOLOGICAL INFORMATION

**Overview (for ingredients):** No data available.

**Ecological Toxicity Values:**

## XIII. DISPOSAL CONSIDERATIONS

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

No chemicals subject to land disposal restrictions. %

## XIV. TRANSPORTATION INFORMATION

**DOT** Paint 3 Un1263 PGIII

## XV. REGULATORY INFORMATION

Toxic Substances Control Act (TSCA):

Chemical Name	Regulation	CASRN	%
1,2,4-Trimethylbenzene	SARA 313 Reportable:	95-63-6	1.12
Cobalt	SARA 313 Reportable:	7440-48-4	0.05
Toluene	SARA 313 Reportable:	108-88-3	0.01
Cobalt metal powder	California Proposition 65 Cancer List:	7440-48-4	0.05
Toluene	California Proposition 65 Developmental Toxicity:	108-88-3	0.01
Solvent naphtha (petroleum) medium aliphatic	New Jersey Right To Know:	64742-88-7	54.99
Resin	New Jersey Right To Know:		35.27
Alkyd Resin	New Jersey Right To Know:		8.15
1,2,4 -trimethylbenzene	New Jersey Right To Know:	95-63-6	1.12
Methyl Ethyl Ketoxime	New Jersey Right To Know:	96-29-7	0.32

## **XVI. ADDITIONAL INFORMATION**

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**Other Information:**

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MSDS glossary.