



B730-200 Medium Poly Buff

# MATERIAL SAFETY DATA SHEET

RPM Wood Finishes Group  
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FOR ALL INTERNATIONAL TRANSPORTATION ACCIDENTS. .... 1-703-527-3887 (collect)

**Health: 1                      Flammability: 2                      Reactivity 0**

**PRODUCT NAME: B730-200 Medium Poly Buff**

## I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

REVISION DATE: 14/06/01  
SUPERCEDES: None  
MSDS NO. B730-200

## II. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	%	CAS #	PEL
Solvent naphtha (petroleum) medium aliphatic	51-60	64742-88-7	No PEL established
Quartz	11-20	14808-60-7	see Table Z-3
Ethylene Glycol	1-10	107-21-1	No PEL established
Aliphatic Petroleum Distillates	1-10	8042-47-5	No PEL established
1,2,4 -trimethylbenzene	1-10	95-63-6	No PEL established
Methanol	<1	67-56-1	200 ppm TWA; 260 mg/m3 TWA
Xylene	<1	1330-20-7	100 ppm TWA; 435 mg/m3 TWA
Crystalline Silica	<1	14464-46-1	see Table Z-3

## III. HAZARDS IDENTIFICATION

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

### Immediate (Acute) Health Effects

#### Inhalation

**Extreme Warning:** Can cause severe respiratory irritation, dizziness, weakness, fatigue, nausea, headache and possible unconsciousness.

**General Warning:** Chronic lung disease (silicosis) and/or lung cancer may result from prolonged/repeated breathing of the dust of this material. Causes respiratory tract irritation. Dust irritating to respiratory tract.

**Extreme Toxic Warning:** Highly toxic! Can cause systemic damage (see "Target Organs" ). Respiratory failure is possible at high doses.

<b>General Toxic Warning:</b>	Inhalation of high concentrations may result in central nervous system (CNS) effects such as dizziness, weakness, fatigue, nausea, headache, and lack of coordination. Methanol can cause central nervous system depression and overexposure can cause damage to the optic nerve resulting in visual impairment or blindness.
<b>Skin Contact</b>	
<b>Extreme Warning:</b>	Can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.
<b>General Warning:</b>	Can cause moderate injury (reddening and swelling). Moderately irritating to the skin.
<b>Eye Contact</b>	
<b>Extreme Warning:</b>	Can cause severe irritation. Eye contact may result in corneal injury. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. Temporary vision impairment (cloudy or blurred vision) is possible.
<b>General Warning:</b>	Can cause mechanical irritation if dusts are generated.
<b>Skin Absorption</b>	
<b>Extreme Warning:</b>	Harmful if absorbed through the skin. May cause severe irritation and systemic damage.
<b>General Warning:</b>	Contains methanol. Upon prolonged or repeated exposure, may cause deterioration of the optic nerve if large quantities are absorbed through the skin. Repeated absorption of large quantities may lead to blindness. Toxic and may be harmful if absorbed through the skin; may produce target organ damage.
<b>Ingestion</b>	
<b>Extreme Warning:</b>	Irritating to mouth, throat, and stomach. Can cause abdominal discomfort, nausea, vomiting and diarrhea.
<b>General Warning:</b>	Aspiration of material into the lungs can cause chemical pneumonitis which can be fatal. Small amounts (a tablespoonful) swallowed during normal handling operations are not likely to cause injury; swallowing amounts larger than that may cause injury.
<b>Extreme Toxic Warning:</b>	Toxic if swallowed. May cause target organ failure and/or death.
<b>General Toxic Warning:</b>	Small amounts (a tablespoonful) swallowed during normal handling operations are not likely to cause injury; swallowing amounts larger than that may cause injury. Upon ingestion of a large quantity of this material, visual disturbances may occur. Onset of the response may be delayed. Substance is harmful if swallowed. Large exposure may be fatal.
<b>Target Organ Acute Toxicity:</b>	
Silica, crystalline	respiratory system, eyes (in animals: lung cancer)
Ethylene glycol	respiratory system, skin, eyes, CNS
1,2,4-Trimethylbenzene	eyes, skin, respiratory system, CNS, blood
Methyl alcohol	skin, eyes, CNS, GI tract, respiratory system
Xylenes (o-, m-, p- isomers)	CNS, eyes, blood, liver, kidneys, skin, GI tract, respiratory system
<b>Long-Term (Chronic) Health Effects:</b>	
<b>Carcinogenicity</b>	
<b>Extreme Warning:</b>	Contains a known human carcinogen.
<b>General Warning:</b>	Material did not cause cancer in long-term animal studies.
<b>Reproductive and Developmental Toxicity</b>	
<b>Extreme Warning:</b>	
<b>General Warning:</b>	A component in this product has been shown to cause birth defects and reproductive disorders in laboratory animals at doses that could be encountered in the workplace.
<b>Mutagenicity:</b>	No data available to indicate product or any components present at greater than 0.1% is mutagenic or genotoxic.
<b>Inhalation</b>	
<b>Extreme Warning:</b>	Upon prolonged and/or repeated exposure, can cause severe respiratory irritation, dizziness, weakness, fatigue, nausea, headache and possible unconsciousness.
<b>General Warning:</b>	No data.

**Skin Contact**

- Extreme Warning:** Upon prolonged or repeated contact, can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.
- General Warning:** Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash). May cause lingering effects but not likely to result in permanent damage if the exposure is eliminated.

**Eye Contact**

- Extreme Warning:** Upon prolonged or repeated contact, can cause severe irritation. Eye contact may result in corneal injury. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. Temporary vision impairment (cloudy or blurred vision) is possible.
- General Warning:** Upon prolonged or repeated contact, dust contact can cause mechanical irritation.

**Skin Absorption**

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

- General Warning:** No data.

**Target Organ Chronic Toxicity**

Eyes. Respiratory Tract. Kidneys. Nervous System. Heart. Skin. Digestive Tract. Liver. Blood.

**Supplemental Health Hazard Information:**

No additional health information available.

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**IV. FIRST AID**

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**Inhalation**

- Extreme Warning:** Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen. If not breathing, give artificial respiration and have a trained individual administer oxygen. Get medical attention immediately.
- General Warning:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.

**Eyes**

- Extreme Warning:** 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.
- General Warning:** Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Have eyes examined and tested by medical personnel. Immediately flush eyes with plenty of water for at least 20 minutes. Get immediate medical attention. Hold eyelids apart periodically while flushing.

**Skin Contact**

- Extreme Warning:** Wash with soap and water. Remove contaminated clothing, launder immediately, and discard contaminated leather goods. Get medical attention immediately.
- General Warning:** Wash with mild soap and water. If irritation occurs get medical attention. If clothing is contaminated, remove and wash before reuse.

**Ingestion**

- Extreme Warning:** 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.
- General Warning:** 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.

**Notes to MD:**

No additional first aid information available. Aspiration hazard. Potential danger from aspiration must be weighed against possible oral toxicity.

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**V. FIRE FIGHTING MEASURES**

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**Flammability Summary:**

**Flash Point:** 101C; 214F

**Upper Flammable/Explosive Limit, % in air:** 15.3 @ 77° F  
**Lower Flammable/Explosive Limit, % in air:** 3.2 @ 77° F

#### **Fire Hazards**

**Extreme Warning:** Vapors may be ignited by sparks, flames or other sources of ignition if material is above the 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.

**General Warning:** Use process enclosures to control the level of dust in the air.

**Extinguishing Media**

**Extreme Warning:** Use alcohol resistant foam, carbon dioxide, or dry chemical extinguishing agents. Water may be ineffective but water spray can be used to extinguish a fire if swept across the base of the flames. Water can absorb heat and keep exposed material from being damaged by fire.

**General Warning:** Alcohol foam Water spray Dry chemical

**Fire Fighting Instructions**

**Extreme Warning:** 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.

**General Warning:** Use process enclosures to control the level of dust in the air.

**Hazardous Combustion Products:** Carbon dioxide Carbon monoxide Carbon dioxide, carbon monoxide, various hydrocarbons.

### **VI. ACCIDENTAL RELEASE MEASURES**

#### **Health Consideration for Spill Response**

**Extreme Warning:** 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

**General Warning:** Persons not wearing appropriate protective equipment should be excluded from area of spill until clean-up has been completed.

#### **Spill Mitigation Procedures**

##### **General Methods:**

**Extreme Warning:** No special spill clean-up considerations. Collect and discard in regular trash.

**General Warning:** No data.

### **VII. HANDLING AND STORAGE**

#### **Handling**

**Extreme Warning:** Mildly irritating material. Avoid unnecessary exposure.

**General Warning:** Avoid contact with material. Minimize dust generation and accumulation. Use spark-proof tools and explosion-proof equipment.

#### **Storage**

**Extreme Warning:** Store in a cool dry place. Isolate from incompatible materials.

**General Warning:** Keep container closed when not in use. Keep away from sources of ignition.

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

#### **Engineering Controls**

**Extreme Warning:** Local exhaust ventilation or other engineering controls are normally required when handling or using this product to avoid overexposure.

**General Warning:** Additional area ventilation or local exhaust may be required to maintain air concentrations below recommended exposure limits. Use process enclosures to control the level of dust in the air.

## **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 VISCOUS LIQUID
Odor:	OILY HYDROCARBON
Solids Vol %	18.1592
Solids Wt %	29.3864
Material VOC lbs/gal:	5.14
Material VOC gms/l:	617.4067
Weight per gallon:	7.7376

## **X. STABILITY AND REACTIVITY**

### **Stability Information**

**Extreme Warning:** Stable under normal conditions.

**General Warning:** Stable.

### **Conditions to Avoid**

**Extreme Warning:** Sparks, open flame, other ignition sources, and elevated temperatures.

**General Warning:** Avoid: heat, sparks, flame and oxidizing agents.

**Chemical Incompatibility:** Strong oxidizing agents. Metals. Strong acids.

**Hazardous Polymerization:** Hazardous Polymerization will not occur.

## **XI. TOXICOLOGICAL INFORMATION**

<b>Chemical Name</b>	<b>CAS Number</b>	<b>LD50/LC50</b>
Ethylene glycol	107-21-1	Inhalation LC50 Rat : 10876 mg/kg; Oral LD50 Rat : 4700 mg/kg; Oral LD50 Mouse : 5500 mg/kg; Dermal LD50 Rabbit : 9530 uL/kg
Benzene, 1,2,4-trimethyl-Methanol	95-63-6 67-56-1	Inhalation LC50 Rat : 18 gm/m <sup>3</sup> /4H; Oral LD50 Rat : 5 gm/kg Inhalation LC50 Rat : 64000 ppm/4H; Oral LD50 Rat : 5628 mg/kg; Oral LD50 Mouse : 7300 mg/kg; Dermal LD50 Rabbit : 15800 mg/kg
Xylene	1330-20-7	Inhalation LC50 Rat : 5000 ppm/4H; Oral LD50 Rat : 4300 mg/kg; Dermal LD50 Rabbit : >1700 mg/kg

## **XII. ECOLOGICAL INFORMATION**

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

**Ecological Toxicity Values:**

### **XIII. DISPOSAL CONSIDERATIONS**

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#### **Waste Description for Spent Product:**

**Extreme Warning:** Spent or discarded material is a hazardous waste.  
**General Warning:** The waste may be a characteristic hazardous waste.

#### **Disposal Methods:**

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

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

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

Methanol	67-56-1	0.34 %
Xylenes (o-, m-, p- isomers)	1330-20-7	0.02 %

### **XIV. TRANSPORTATION INFORMATION**

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**DOT** NA1993 PGIII

### **XV. REGULATORY INFORMATION**

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Toxic Substances Control Act (TSCA): This substance is listed on the TSCA Inventory of Existing Chemical Substances.

<b>Chemical Name</b>	<b>Regulation</b>	<b>CASRN</b>	<b>%</b>
Ethylene glycol	SARA 313 Reportable:	107-21-1	5.92
1,2,4-Trimethylbenzene	SARA 313 Reportable:	95-63-6	1.21
Methanol	SARA 313 Reportable:	67-56-1	0.34
Xylene (mixed isomers)	SARA 313 Reportable:	1330-20-7	0.02
Ethyl benzene	SARA 313 Reportable:	100-41-4	0.00
Solvent naphtha (petroleum) medium aliphatic	New Jersey Right To Know:	64742-88-7	59.1
Quartz	New Jersey Right To Know:	14808-60-7	10.97
Clay	New Jersey Right To Know:		8.22
Ethylene Glycol	New Jersey Right To Know:	107-21-1	5.92
Aliphatic Petroleum Distillates	New Jersey Right To Know:	8042-47-5	4.39

### **XVI. ADDITIONAL INFORMATION**

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#### **Other Information:**

IMPORTANT: WHILE THE DESCRIPTIONS, DATA AND INFORMATION CONTAINED HEREIN ARE PRESENTED IN GOOD FAITH AND BELIEVED TO BE ACCURATE, IT IS PROVIDED FOR YOUR GUIDANCE ONLY. BECAUSE MANY FACTORS MAY AFFECT PROCESSING OR APPLICATION/USE, WE RECOMMEND THAT YOU PERFORM AN ASSESSMENT TO DETERMINE THE SUITABILITY OF A PRODUCT FOR YOUR PARTICULAR PURPOSE PRIOR TO USE. NO WARRANTIES OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING FITNESS FOR A PARTICULAR PURPOSE, ARE MADE REGARDING PRODUCTS DESCRIBED, DATA OR INFORMATION SET FORTH. IN NO CASE SHALL THE DESCRIPTIONS, INFORMATION, OR DATA PROVIDED BE CONSIDERED A PART OF OUR TERMS AND CONDITIONS OF SALE. FURTHER, THE DESCRIPTIONS, DATA AND INFORMATION FURNISHED HEREUNDER ARE GIVEN GRATIS. NO OBLIGATION OR LIABILITY FOR THE DESCRIPTION, DATA AND INFORMATION GIVEN ARE ASSUMED. ALL SUCH BEING GIVEN AND ACCEPTED AT YOUR RISK.

MSDS glossary.