



M640-1020 HYDROGOLD WATERBORNE LACQUER - 20 SHEEN

# MATERIAL SAFETY DATA SHEET

RPM Wood Finishes Group  
3194 Hickory Boulevard  
Hudson, North Carolina 28638  
828-728-8266

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

Health: 2                      Flammability: 1                      Reactivity 0

PRODUCT NAME: M640-1020 HYDROGOLD WATERBORNE LACQUER - 20 SHEEN

## I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

REVISION DATE: 20/03/07  
SUPERCEDES: None  
MSDS NO. M640-1020

## II. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	%	CAS #	PEL
butyl cellosolve	1-10	111-76-2	50 ppm TWA; 240 mg/m3 TWA
amorphous silica	1-10	112926-00-8	see Table Z-3
isopropanol	<1	67-63-0	400 ppm TWA; 980 mg/m3 TWA

## III. HAZARDS IDENTIFICATION

**Routes of Entry:** Absorption., Inhalation, ingestion, skin, eyes.  
**Medical Conditions Aggravated:** Pre-existing skin or respiratory conditions. Eye disease. Skin disease including eczema and sensitization.

### Immediate (Acute) Health Effects

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

**Skin Contact:** May cause skin irritation. Can cause minor skin irritation, defatting, and dermatitis.

**Eye Contact:** Can cause irritation. Can cause minor irritation, tearing and reddening. 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. No absorption hazard in normal industrial use.

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

**Target Organ Acute Toxicity:**

2-Butoxyethanol liver, kidneys, lymphoid system, skin, blood, eyes, respiratory system, CNS, hemato 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 minor respiratory irritation, dizziness, weakness, fatigue, nausea, and headache.

**Skin Contact:** Prolonged or repeated contact may cause irritation. Upon prolonged or repeated contact, can cause minor skin irritation, defatting, and dermatitis.

**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, no hazard in normal industrial use.

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

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

**IV. FIRST AID**

**Inhalation:** Remove subject to fresh air. Seek medical aid if lung irritation persists or if breathing becomes difficult. Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen.

**Eyes:** Use an eye wash to remove a chemical from your eye regardless of the level of hazard. Flush the affected eye for at least twenty minutes. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Seek medical advice after flushing.

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

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

**V. FIRE FIGHTING MEASURES**

**Flammability Summary:**

<b>Flash Point:</b>	>200 (CALC.) °F
<b>Fire Hazards:</b>	Take precautions so as not to create dust and to cause sparks and minimize static electricity.
<b>Extinguishing Media:</b>	Use methods suitable to fight surrounding fire.
<b>Fire Fighting Instructions:</b>	Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment.
<b>Hazardous Combustion Products:</b>	Carbon monoxide

## VI. ACCIDENTAL RELEASE MEASURES

<b>Health Consideration for Spill Response:</b>	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.
<b>Spill Mitigation Procedures General Methods:</b>	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

<b>Handling:</b>	Use bonding and grounding when transferring quantities of material. Harmful or irritating material. Avoid contact and avoid breathing the material. Use only in a well ventilated area.
<b>Storage:</b>	Keep container closed when not in use. Keep away from heat and flame. Store in a cool dry place. Isolate from incompatible materials.

## VIII. ENGINEERING CONTROLS AND PERSONAL PROTECTIVE EQUIPMENT

<b>Engineering Controls:</b>	Check ventilation codes. No exposure limits exist for the constituents of this product. General room ventilation might be required to maintain operator comfort under normal conditions of use.
<b>Protective Equipment Respiratory Tract:</b>	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.
<b>Eyes:</b>	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

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**Physical State:** CLOUDY LIQUID  
**Odor:** MILD  
**Solids Vol %:** 30.7024  
**Solids Wt %:** 34.9608  
**Material VOC lbs/gal:** 0.4321  
**Material VOC gms/l:** 51.8864  
**Coatings VOC lbs/gal:** 1.182  
**Coatings VOC gms/l:** 141.9491  
**Weight per gallon lbs:** 8.8062

VOC data per US EPA guidelines. State and local variations may apply.

## X. STABILITY AND REACTIVITY

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**Stability Information:** Stable. Stable under normal conditions.  
**Conditions to Avoid:** None known.  
**Chemical Incompatibility:** Peroxides.  
**Hazardous Polymerization:** Hazardous Polymerization will not occur.

## XI. TOXICOLOGICAL INFORMATION

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Chemical Name	CAS Number	LD50/LC50
Ethanol, 2-butoxy-	111-76-2	Inhalation LC50 Rat : 450 ppm/4H; Inhalation LC50 Mouse : 700 ppm/7H; Oral LD50 Rat : 470 mg/kg; Oral LD50 Mouse : 1230 mg/kg; Dermal LD50 Rabbit : 220 mg/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

## XII. ECOLOGICAL INFORMATION

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

## XIII. DISPOSAL CONSIDERATIONS

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**Waste Description for Spent Product:** Spent or discarded material is a hazardous waste.  
**Disposal Methods:** Perform waste water treatment. Dispose of in a landfill. Disposal is not likely to be regulated.  
**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**

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**DOT** NOT RESTRICTED

See 49CFR 172.101 for Special Provisions, Packaging, and Quantity Limitations.

#### **XV. REGULATORY INFORMATION**

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<b>Chemical Name</b>	<b>Regulation</b>	<b>CASRN</b>	<b>%</b>
2-Butoxyethanol	SARA 313 Reportable:	111-76-2	2.54
Isopropyl alcohol	SARA 313 Reportable:	67-63-0	0.71
Toluene	SARA 313 Reportable:	108-88-3	0.00
Formaldehyde	SARA 313 Reportable:	50-00-0	0.00
Ethyl benzene	SARA 313 Reportable:	100-41-4	0.00
Benzene	SARA 313 Reportable:	71-43-2	0.00
Propylene oxide	SARA 313 Reportable:	75-56-9	0.00
N-Methyl-2-pyrrolidinone	SARA 313 Reportable:	872-50-4	0.00
Ethyl acrylate	SARA 313 Reportable:	140-88-5	0.00
Benzene, methyl-	California Proposition 65 Cancer List:	108-88-3	0.00
Formaldehyde (gas)	California Proposition 65 Cancer List:	50-00-0	0.00
Benzene, ethyl-	California Proposition 65 Cancer List:	100-41-4	0.00
Benzene	California Proposition 65 Cancer List:	71-43-2	0.00
Propylene oxide	California Proposition 65 Cancer List:	75-56-9	0.00
Ethyl acrylate	California Proposition 65 Cancer List:	140-88-5	0.00
Toluene	California Proposition 65	108-88-3	0.00
	Developmental Toxicity:		
Benzene	California Proposition 65	71-43-2	0.00
	Developmental Toxicity:		
1-Methyl-2-pyrrolidone	California Proposition 65	872-50-4	0.00
	Developmental Toxicity:		
Benzene	California Proposition 65 Reproductive -	71-43-2	0.00
	Female:		
butyl cellosolve	New Jersey Right To Know:	111-76-2	2.54
amorphous silica	New Jersey Right To Know:	112926-00-8	2.05
isopropanol	New Jersey Right To Know:	67-63-0	0.71

#### **XVI. ADDITIONAL INFORMATION**

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**Other Information:**

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MSDS glossary.