



M612-2580 275 VOC WW LACQUER GLOSS 80

# 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: M612-2580 275 VOC WW LACQUER GLOSS 80

## I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

REVISION DATE: 01/12/05  
SUPERCEDES: 12/10/05  
MSDS NO. M612-2580  
OSHA HAZ. CLASS: Hepatotoxin - may cause liver damage. Nephrotoxin - may cause kidney damage.

## II. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	%	CAS #	PEL
acetone	61-70	67-64-1	1000 ppm TWA; 2400 mg/m3 TWA
Cellulose Nitrate, Cellulose Ester	1-10	9004-70-0	No PEL established
p-chlorobenzotrifluoride	1-10	98-56-6	No PEL established
butyl cellosolve	1-10	111-76-2	50 ppm TWA; 240 mg/m3 TWA
diisononyl phthalate	1-10	68515-48-0	No PEL established
1,2,4-trimethylbenzene	<1	95-63-6	No PEL established

## III. HAZARDS IDENTIFICATION

**Routes of Entry:** Absorption., Inhalation, ingestion, skin, eyes.  
**Medical Conditions Aggravated:** No medical conditions affected by exposure.

### Immediate (Acute) Health Effects

**Inhalation:** Can cause severe central nervous system depression (including unconsciousness). Can cause moderate respiratory irritation, dizziness, weakness, fatigue, nausea and headache.

**Skin Contact:** Substance causes moderate skin irritation. Continued or prolonged contact may irritate the skin and cause a skin rash (dermatitis). Can cause minor skin irritation, defatting, and dermatitis.

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

**Skin Absorption:** Harmful if absorbed through the skin.

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

**Target Organ Acute Toxicity:**

Acetone	respiratory system, skin, eyes, CNS
2-Butoxyethanol	liver, kidneys, lymphoid system, skin, blood, eyes, respiratory system, CNS, hemato system
1,2,4-Trimethylbenzene	eyes, skin, respiratory system, CNS, blood

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

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

**Reproductive and Developmental Toxicity:** No information available.

**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:** Prolonged or repeated contact may cause irritation. 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 irritation, tearing and reddening, but not likely to permanently injure eye tissue.

**Target Organ Chronic Toxicity:** Respiratory Tract. Central nervous system stimulation. Kidneys. Liver.

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

**IV. FIRST AID**

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

**Eyes:** Flush eye with water for 20 minutes. Get medical attention. 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 mild soap and water. If irritation occurs get medical attention. If clothing is contaminated, remove and wash before reuse. Wash with soap and water. Get medical attention if irritation develops or persists.

**Ingestion:** If the material is swallowed, get immediate medical attention or advice -- Do not induce vomiting. First aid is normally not required. 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. If swallowed, have a trained medical professional induce vomiting immediately. Never give anything by mouth to an unconscious person.

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

## **V. FIRE FIGHTING MEASURES**

### **Flammability Summary:**

**Flash Point:** -4 (CALC.) °F  
**Upper Flammable/Explosive Limit, % in air:** 36.0 @ 77° F  
**Lower Flammable/Explosive Limit, % in air:** 2.0 @ 77° F

**Fire Hazards:** Flammable Liquid. Can release vapors that form explosive mixtures at temperatures at or above the flash point. 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 are heavier than air and can travel to a source of ignition and flash back. Combustible Liquid. Can form explosive mixtures at temperatures at or above the flash point. Material may be ignited only if preheated to temperatures above the high flash point, for example in a fire.

**Extinguishing Media:** Use alcohol resistant spray, Carbon Dioxide, water spray or dry chemical to extinguish a fire involving this chemical. Flammable component(s) of this material may be lighter than water and burn while floating on the surface. Foam Use alcohol resistant foam, carbon dioxide, or dry chemical extinguishing agents. Water spray or fog may also be effective for extinguishing if swept across the base of the fire. Water can also be used to absorb heat and keep exposed material from being damaged by fire.

**Fire Fighting Instructions:** Flammable component(s) of this material may be lighter than water and burn while floating on the surface. Do not enter fire area without proper protection including self-contained toxic 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 dioxide, Carbon monoxide Hydrogen cyanide Nitrogen containing gases

## **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**

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**Handling:**

Use spark-proof tools and explosion-proof equipment. Wash thoroughly after handling. Avoid contact with material. "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. Remove contaminated clothing and wash before reuse. Ground and bond containers when transferring material. Harmful or irritating material. Avoid contact and avoid breathing the material. Use only in a well ventilated area.

**Storage:**

Keep away from heat, sparks, and flame. Keep away from sources of ignition. Store in a cool place in original container and protect from sunlight. Keep container closed when not in use. Keep away from heat and flame. Do not store in direct sunlight. Store in a cool dry ventilated location. Isolate from incompatible materials and conditions. Keep container(s) closed.

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

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**Engineering Controls:**

Ventilation should effectively remove and prevent buildup of any vapor/mist/fume generated from the handling of this product. Explosion proof exhaust ventilation should be used.

**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**

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<b>Physical State:</b>	CLOUDY LIQUID
<b>Odor:</b>	STRONG SOLVENT
<b>Solids Vol %:</b>	13.5342
<b>Solids Wt %:</b>	19.6832
<b>Material VOC lbs/gal:</b>	0.4132

<b>Material VOC gms/l:</b>	49.6168
<b>Coatings VOC lbs/gal:</b>	2.1675
<b>Coatings VOC gms/l:</b>	260.2945
<b>Weight per gallon lbs:</b>	7.3848

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

**X. STABILITY AND REACTIVITY**

<b>Stability Information:</b>	Stable. Normally stable. Keep away from heat, sparks and flame.
<b>Conditions to Avoid:</b>	Avoid: heat, sparks, flame and oxidizing agents. None known.
<b>Chemical Incompatibility:</b>	Strong oxidizing agents. Strong acids. Amines. Strong alkalies. Peroxides. Oxidizing materials.
<b>Hazardous Polymerization:</b>	Hazardous Polymerization will not occur.

**XI. TOXICOLOGICAL INFORMATION**

Chemical Name	CAS Number	LD50/LC50
Acetone	67-64-1	Inhalation LC50 Rat : 50100 mg/m3/8H; Inhalation LC50 Mouse : 44 gm/m3/4H; Oral LD50 Rat : 5800 mg/kg; Oral LD50 Mouse : 3 gm/kg
Nitrocellulose	9004-70-0	Oral LD50 Rat : >5 gm/kg; Oral LD50 Mouse : >5 gm/kg
Toluene, p-chloro-alpha,alpha,alpha-trifluoro-	98-56-6	Inhalation LC50 Rat : 22 gm/m3; Inhalation LC50 Mouse : 20 gm/m3; Oral LD50 Rat : 13 gm/kg; Oral LD50 Mouse : 11500 mg/kg
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
Benzene, 1,2,4-trimethyl-	95-63-6	Inhalation LC50 Rat : 18 gm/m3/4H; Oral LD50 Rat : 5 gm/kg

**XII. ECOLOGICAL INFORMATION**

<b>Overview (for ingredients):</b>	Keep out of waterways. This material is not expected to be harmful to the ecology.
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**XIII. DISPOSAL CONSIDERATIONS**

<b>Waste Description for Spent Product:</b>	The waste may be a listed and/or characteristic hazardous waste. Spent or discarded material is non-hazardous according to environmental regulations.
<b>Disposal Methods:</b>	Comply with all Local, State, Federal, and Provincial Environmental Regulations. Dispose of by incineration following Federal, State, Local, or Provincial regulations.
<b>Potential EPA Waste Codes:</b>	If discarded, this product is considered a RCRA ignitable waste, D001.

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

Acetone	67-64-1	69.18 %
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**XIV. TRANSPORTATION INFORMATION**

<b>DOT</b>	PAINT, 3, UN 1263, II
	See 49CFR 172.101 for Special Provisions, Packaging, and Quantity Limitations.

**XV. REGULATORY INFORMATION**

Chemical Name	Regulation	CASRN	%
2-Butoxyethanol	SARA 313 Reportable:	111-76-2	4.84
1,2,4-Trimethylbenzene	SARA 313 Reportable:	95-63-6	0.15
sec-Butyl alcohol	SARA 313 Reportable:	78-92-2	0.00
Quartz	California Proposition 65 Cancer List:	14808-60-7	0.00

acetone	New Jersey Right To Know:	67-64-1	69.18
Cellulose Nitrate, Cellulose Ester	New Jersey Right To Know:	9004-70-0	9.32
p-chlorobenzotrifluoride	New Jersey Right To Know:	98-56-6	5.52
butyl cellosolve	New Jersey Right To Know:	111-76-2	4.84
diisononyl phthalate	New Jersey Right To Know:	68515-48-0	4.51

## **XVI. ADDITIONAL INFORMATION**

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### **Other Information:**

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MSDS glossary.