



B610-01336 Lacquer Retarder

# MATERIAL SAFETY DATA SHEET

RPM Wood Finishes Group  
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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: 3                      Reactivity 0

PRODUCT NAME: B610-01336 Lacquer Retarder

## I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

REVISION DATE: 19/02/02  
SUPERCEDES: None  
MSDS NO. B610-01336  
OSHA HAZ. CLASS: Combustible liquid. Eye irritant.

## II. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	%	CAS #	PEL
isopropanol	21-30	67-63-0	400 ppm TWA; 980 mg/m3 TWA
Methoxypropanol acetate	21-30	108-65-6	No PEL established
acetone	11-20	67-64-1	1000 ppm TWA; 2400 mg/m3 TWA
Toluene	11-20	108-88-3	200 ppm TWA; C 300 ppm
Xylene	1-10	1330-20-7	100 ppm TWA; 435 mg/m3 TWA
OXO-Hexyl Acetate	1-10	88230-35-7	No PEL established
Ethylbenzene	1-10	100-41-4	100 ppm TWA; 435 mg/m3 TWA

## III. HAZARDS IDENTIFICATION

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

### Immediate (Acute) Health Effects

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

**Skin Contact:** Substance causes moderate skin irritation. Moderately irritating to the skin. 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.

**Eye Contact:** Irritating but will not permanently injure eye tissue. 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.

**Skin Absorption:** Can be absorbed through the skin but exposure must be extensive before adverse health effects occur. { Toxic and may be harmful if absorbed through the skin; may produce target organ damage. { A single exposure is not likely to result in the product being absorbed through the skin in harmful amounts. Harmful if absorbed through the skin. May cause severe irritation and systemic damage.

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

**Target Organ Acute Toxicity:**

Isopropyl alcohol	eyes, skin, respiratory system
Acetone	respiratory system, skin, eyes, CNS
Toluene	CNS, liver, kidneys, skin, eyes, respiratory system
Xylenes (o-, m-, p- isomers)	CNS, eyes, blood, liver, kidneys, skin, GI tract, respiratory system
Ethyl benzene	eyes, respiratory system, skin, CNS

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

**Carcinogenicity:** Contains a substance that is a probable cancer hazard based on human studies.

**Reproductive and Developmental Toxicity:** Possible reproductive hazard. 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.

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

**Skin Contact:** Prolonged or repeated contact may cause irritation. May cause lingering effects but not likely to result in permanent damage if the exposure is eliminated. Continued or prolonged contact may irritate the skin and cause a skin rash (dermatitis).

**Skin Absorption:** 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.

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

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

#### IV. FIRST AID

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<b>Inhalation:</b>	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.
<b>Eyes:</b>	Immediately flush eyes with plenty of water. Get medical attention, if irritation persists. 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.
<b>Skin Contact:</b>	Wash with soap and water. Remove contaminated clothing, launder immediately, and discard contaminated leather goods. Get medical attention immediately.
<b>Ingestion:</b>	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. 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.
<b>Notes to MD:</b>	No additional first aid information available.

#### V. FIRE FIGHTING MEASURES

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##### Flammability Summary:

<b>Flash Point:</b>	-20C; -4F
<b>Autoignition Temperature:</b>	333 deg. C
<b>Upper Flammable/Explosive Limit, % in air:</b>	13.1 @ 77° F
<b>Lower Flammable/Explosive Limit, % in air:</b>	1.0 @ 77° 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. Flammable Liquid. Can release vapors that form explosive mixtures at temperatures at or above the flash point. Vapors may be ignited by heat, sparks, flames or other sources of ignition at or above the low flash point giving rise to a Class B fire. Vapors are heavier than air and may travel to a source of ignition and flash back.

**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. Alcohol foam  
Carbon dioxide Water spray Foam, water, dry chemical 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:** 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. Flammable Liquid. Can release vapors that form explosive mixtures at temperatures at or above the flash point. Vapors may be ignited by heat, sparks, flames or other sources of ignition at or above the low flash point giving rise to a Class B fire. Vapors are heavier than air and may travel to a source of ignition and flash back.

**Hazardous Combustion Products:** Carbon dioxide, Carbon monoxide

## VI. ACCIDENTAL RELEASE MEASURES

**Health Consideration for Spill Response:** No health affects 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:** Gather and store in a sealed container pending a waste disposal evaluation.No special spill clean-up considerations. Collect and discard in regular trash.

## VII. HANDLING AND STORAGE

**Handling:** Wash thoroughly after handling. Avoid contact with material. Ground and bond containers when transferring material. Use spark-proof tools and explosion-proof equipment. Keep in air-tight containers- material is hygroscopic. Remove contaminated clothing and wash before reuse.

**Storage:** Keep away from heat, sparks, and flame. Keep away from sources of ignition.

## VIII. ENGINEERING CONTROLS AND PERSONAL PROTECTIVE EQUIPMENT

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

### 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

<b>Physical State:</b>	CLEAR LIQUID
<b>Odor:</b>	STRONG SOLVENT
<b>Solids Vol %:</b>	0
<b>Solids Wt %:</b>	0
<b>Material VOC lbs/gal:</b>	5.6653
<b>Material VOC gms/l:</b>	680.3563
<b>Weight per gallon:</b>	7.0978

## X. STABILITY AND REACTIVITY

<b>Stability Information:</b>	Stable.
<b>Conditions to Avoid:</b>	Avoid: heat, sparks, flame and oxidizing agents.
<b>Chemical Incompatibility:</b>	Strong acids. Strong alkalies. Strong oxidizing agents. Caustics (bases). Strong oxidizers/alkalis.

## XI. TOXICOLOGICAL INFORMATION

<b>Chemical Name</b>	<b>CAS Number</b>	<b>LD50/LC50</b>
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 Oral LD50 Rat : 8532 mg/kg; Dermal LD50 Rabbit : >5 gm/kg
Acetic acid, 2-methoxy-1-methylethyl ester	108-65-6	
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
Toluene	108-88-3	Inhalation LC50 Rat : 49 gm/m3/4H; Inhalation LC50 Mouse : 400 ppm/24H; Oral LD50 Rat : 636 mg/kg; Dermal LD50 Rabbit : 14100 uL/kg
Xylene	1330-20-7	Inhalation LC50 Rat : 5000 ppm/4H; Oral LD50 Rat : 4300 mg/kg; Dermal LD50 Rabbit : >1700 mg/kg
Benzene, ethyl-	100-41-4	Oral LD50 Rat : 3500 mg/kg; Dermal LD50 Rabbit : 17800 uL/kg

## XII. ECOLOGICAL INFORMATION

**Overview (for ingredients):** Keep out of waterways. Highly/very toxic to fish and other water organisms.

**Ecological Toxicity Values:**

## XIII. DISPOSAL CONSIDERATIONS

**Waste Description for Spent Product:** The waste may be a listed and/or characteristic hazardous waste. The waste may be a "special" waste. The waste may be a listed hazardous waste. 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:

Acetone	67-64-1	20.00 %
Toluene	108-88-3	12.00 %
Xylenes (o-, m-, p- isomers)	1330-20-7	6.8 %
Ethyl benzene	100-41-4	1.2 %

#### **XIV. TRANSPORTATION INFORMATION**

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**DOT** Paint 3 UN1263 PG II  
Quart or less ORM-D\*\*\*Label:None

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

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Toxic Substances Control Act (TSCA): A component (or components) of this product is not listed on the TSCA Inventory of Existing Chemical Substances.

<b>Chemical Name</b>	<b>Regulation</b>	<b>CASRN</b>	<b>%</b>
Isopropyl alcohol	SARA 313 Reportable:	67-63-0	28.00
Toluene	SARA 313 Reportable:	108-88-3	12.00
Xylene (mixed isomers)	SARA 313 Reportable:	1330-20-7	6.8
Ethyl benzene	SARA 313 Reportable:	100-41-4	1.2
Toluene	California Proposition 65 Developmental Toxicity:	108-88-3	12.00
isopropanol	New Jersey Right To Know:	67-63-0	28.00
Methoxypropanol acetate	New Jersey Right To Know:	108-65-6	27.00
acetone	New Jersey Right To Know:	67-64-1	20.00
Toluene	New Jersey Right To Know:	108-88-3	12.00
Xylene	New Jersey Right To Know:	1330-20-7	6.8

#### **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.