



B611-100E Gloss Lacquer

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: 3 Reactivity 0

PRODUCT NAME: B611-100E Gloss Lacquer

I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

REVISION DATE:	26/02/02
SUPERCEDES:	None
MSDS NO.	B611-100E
OSHA HAZ. CLASS:	Eye irritant. Neurotoxin - may cause nervous system damage. Mucous membrane (respiratory tract) irritant.

II. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	%	CAS #	PEL
n-Butyl acetate	21-30	123-86-4	150 ppm TWA; 710 mg/m3 TWA
Hydrotreated distilate, light	11-20	68410-97-9	No PEL established
Nitrocellulose	1-10	9004-70-0	No PEL established
Toluene	1-10	108-88-3	200 ppm TWA; C 300 ppm
Xylene	1-10	1330-20-7	100 ppm TWA; 435 mg/m3 TWA
acetone	1-10	67-64-1	1000 ppm TWA; 2400 mg/m3 TWA
Ethyl Acetate	1-10	141-78-6	400 ppm TWA; 1400 mg/m3 TWA
n-Butyl alcohol	1-10	71-36-3	100 ppm TWA; 300 mg/m3 TWA
isopropanol	1-10	67-63-0	400 ppm TWA; 980 mg/m3 TWA
1,2 Benzenedicarboxylic acid,di C8-10 br alkyl ester	1-10	68515-48-0	No PEL established
1-Methoxy-2-hydroxypropane	1-10	107-98-2	No PEL established
Ethylbenzene	1-10	100-41-4	100 ppm TWA; 435 mg/m3 TWA

III. HAZARDS IDENTIFICATION

Routes of Entry:	Absorption., Inhalation, ingestion, skin, eyes.
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.
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Skin Contact: Moderately irritating to the skin. Substance causes moderate skin irritation. Continued or prolonged contact may irritate the skin and cause a skin rash (dermatitis). 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: Can cause irritation. 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. 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. Harmful if swallowed. Irritating to mouth, throat, and stomach. Can cause abdominal discomfort, nausea, vomiting and diarrhea.

Target Organ Acute Toxicity:

n-Butyl acetate	eyes, skin, respiratory system, CNS
Toluene	CNS, liver, kidneys, skin, eyes, respiratory system
Xylenes (o-, m-, p- isomers)	CNS, eyes, blood, liver, kidneys, skin, GI tract, respiratory system
Acetone	respiratory system, skin, eyes, CNS
Ethylacetate	eyes, skin, respiratory system
n-Butyl alcohol	skin, eyes, respiratory system, CNS
Isopropyl alcohol	eyes, skin, respiratory system
Propylene glycol monomethyl ether	eyes, skin, respiratory system, CNS
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.

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

Supplemental Health Hazard Information: No additional health information available.

IV. FIRST AID

Inhalation:	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.
Eyes:	Seek medical advice if symptoms persist. { Immediately flush eyes with plenty of water. Get medical attention, if irritation persists. { Flush immediately under running water for 15 minutes. If redness or irritation occurs, seek medical attention. 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.
Skin Contact:	Wash with soap and water. Remove contaminated clothing, launder immediately, and discard contaminated leather goods. Get medical attention immediately.
Ingestion:	Never give anything by mouth to an unconscious person. { 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. { 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.
Notes to MD:	No additional first aid information available.

V. FIRE FIGHTING MEASURES

Flammability Summary:

Flash Point:	< 100F
Autoignition Temperature:	0 deg. C
Upper Flammable/Explosive Limit, % in air:	36.0 @ 77° F
Lower Flammable/Explosive Limit, % in air:	1.1 @ 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. Container may explode in heat of fire.

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: Flammable component(s) of this material may be lighter than water and burn while floating on the surface. Alcohol foam Carbon dioxide Water spray Use alcohol resistant spray, Carbon Dioxide, water spray or dry chemical to extinguish a fire involving this chemical. H₂O, CO₂, dry chemical, 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: 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.
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Hazardous Combustion Products: Hydrogen cyanide Nitrogen containing gases Carbon dioxide, Carbon monoxide

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: Avoid runoff into storm sewers and ditches that lead to waterways. Gather and store in a sealed container pending a waste disposal evaluation. 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

Handling: Wash thoroughly after handling. Avoid contact with material. Use spark-proof tools and explosion-proof equipment. "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.

Storage: Store in a cool place in original container and protect from sunlight. Keep away from heat, sparks, and flame. Keep away from sources of ignition. Do not store in direct sunlight. Limit quantity of material stored. Avoid exposure to sunlight or ultraviolet (UV) light sources. Do not store near combustible materials.

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. Engineering controls must be designed to meet the OSHA chemical specific standard in 29 CFR 1910.

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: CLEAR LIQUID
Odor: STRONG SOLVENT
Solids Vol %: 16.7818
Solids Wt %: 24.1572
Material VOC lbs/gal: 5.3728
Material VOC gms/l: 645.2277
Weight per gallon: 7.6416

X. STABILITY AND REACTIVITY

Stability Information: Stable.

Conditions to Avoid: Avoid: heat, sparks, flame and oxidizing agents.

Chemical Incompatibility: Strong oxidizing agents. Strong alkalies. Strong acids. Amines. Oxidizing materials.

Hazardous Polymerization: Hazardous Polymerization will not occur.

XI. TOXICOLOGICAL INFORMATION

Chemical Name	CAS Number	LD50/LC50
Acetic acid, butyl ester	123-86-4	Inhalation LC50 Rat : 2000 ppm/4H; Inhalation LC50 Mouse : 6 gm/m ³ /2H; Oral LD50 Rat : 10768 mg/kg; Oral LD50 Mouse : 6 gm/kg; Dermal LD50 Rabbit : >17600 mg/kg
Nitrocellulose	9004-70-0	Oral LD50 Rat : >5 gm/kg; Oral LD50 Mouse : >5 gm/kg
Toluene	108-88-3	Inhalation LC50 Rat : 49 gm/m ³ /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
Acetone	67-64-1	Inhalation LC50 Rat : 50100 mg/m ³ /8H; Inhalation LC50 Mouse : 44 gm/m ³ /4H; Oral LD50 Rat : 5800 mg/kg; Oral LD50 Mouse : 3 gm/kg
Acetic acid, ethyl ester	141-78-6	Inhalation LC50 Rat : 200 gm/m ³ ; Inhalation LC50 Mouse : 45 gm/m ³ /2H; Oral LD50 Rat : 5620 mg/kg; Oral LD50 Mouse : 4100 mg/kg; Dermal LD50 Rabbit : >20 mL/kg
Butyl alcohol	71-36-3	Inhalation LC50 Rat : 8000 ppm/4H; Oral LD50 Rat : 790 mg/kg; Oral LD50 Mouse : 2680 mg/kg; Dermal LD50 Rabbit : 3400 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
2-Propanol, 1-methoxy-	107-98-2	Inhalation LC50 Rat : 10000 ppm/5H; Oral LD50 Mouse : 11700 mg/kg; Dermal LD50 Rabbit : 13 gm/kg
Benzene, ethyl-	100-41-4	Oral LD50 Rat : 3500 mg/kg; Dermal LD50 Rabbit : 17800 uL/kg

XII. ECOLOGICAL INFORMATION

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

Ecological Toxicity Values:

XIII. DISPOSAL CONSIDERATIONS

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

Toluene	108-88-3	7.08 %
Xylenes (o-, m-, p- isomers)	1330-20-7	6.62 %
Acetone	67-64-1	5.37 %
Ethylacetate	141-78-6	5.2 %
n-Butyl alcohol	71-36-3	4.89 %
Ethyl benzene	100-41-4	1.03 %

XIV. TRANSPORTATION INFORMATION

DOT Paint 3 UN1263 PG II;QT OR LESS SHIP: ORM-D

XV. REGULATORY INFORMATION

Toxic Substances Control Act (TSCA):

Chemical Name	Regulation	CASRN	%
Toluene	SARA 313 Reportable:	108-88-3	7.08
Xylene (mixed isomers)	SARA 313 Reportable:	1330-20-7	6.62
n-Butyl alcohol	SARA 313 Reportable:	71-36-3	4.89
Isopropyl alcohol	SARA 313 Reportable:	67-63-0	4.06
Ethyl benzene	SARA 313 Reportable:	100-41-4	1.03
Toluene	California Proposition 65	108-88-3	7.08
	Developmental Toxicity:		
n-Butyl acetate	New Jersey Right To Know:	123-86-4	26.11
Hydrotreated distillate, light	New Jersey Right To Know:	68410-97-9	13.21
Alkyd Resin	New Jersey Right To Know:		11.79
Nitrocellulose	New Jersey Right To Know:	9004-70-0	9.48
Toluene	New Jersey Right To Know:	108-88-3	7.08

XVI. ADDITIONAL INFORMATION

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.