



B267-011B Medium Brown Scratch Remover

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: B267-011B Medium Brown Scratch Remover

I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

REVISION DATE: 05/02/02
SUPERCEDES: None
MSDS NO. B267-011B
OSHA HAZ. CLASS: Flammable.

II. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	%	CAS #	PEL
Ethanol	51-60	64-17-5	1000 ppm TWA; 1900 mg/m ³ TWA
2-Propanol, 1-ethoxy	1-10	1569-02-4	No PEL established
n-Propyl Acetate, Propyl Ester, Propyl Acetate	1-10	109-60-4	200 ppm TWA; 840 mg/m ³ TWA
Dipropylene glycol monomethyl ether	1-10	34590-94-8	No PEL established
isopropanol	1-10	67-63-0	400 ppm TWA; 980 mg/m ³ TWA
Chromium	<1	7440-47-3	Chromium, sol. chromic, chromous salts (as Cr): 0.5 mg/m ³ TWA; Chromium, metal and insoluble salts (as Cr): 1 mg/m ³ TWA
Cobalt Compounds	<1	7440-48-4	0.1 mg/m ³ TWA

III. HAZARDS IDENTIFICATION

Routes of Entry: Eye contact., Dermal, Inhalation, Ingestion, Absorption.
Medical Conditions Aggravated: Liver disease. Skin disease including eczema and sensitization. Respiratory disease including asthma and bronchitis. Preexisting eye, skin and respiratory disorders may be aggravated by exposure to this product.

Immediate (Acute) Health Effects

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

Skin Contact: May cause skin irritation. 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.

Eye Contact: Can cause irritation. 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: No component(s) in this product is known to be absorbed through the skin. Minimal hazard in normal industrial use. May cause gastrointestinal discomfort.

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

Target Organ Acute Toxicity:

Ethyl alcohol	respiratory system, skin, eyes, CNS, liver, blood, reproductive system
n-Propyl acetate	skin, eyes, CNS, respiratory system
Dipropylene glycol, methyl ether	eyes, respiratory system, CNS
Isopropyl alcohol	eyes, skin, respiratory system
Chromium metal	respiratory system, skin, eyes
Cobalt metal, dust and fume	respiratory system, skin

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.

Skin Contact: Prolonged or repeated contact may cause irritation. Prolonged contact with this product can cause reddening, swelling, rash, scaling, or blistering. In those who have developed skin sensitization, these symptoms can develop as a result of contact with a very small amount of the liquid material.

Skin Absorption: Skin sensitization, characterized by redness, inflammation, itching and/or burning may result from prolonged or repeated contact with this material.

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

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. Get medical attention immediately. Have a trained individual administer humidified oxygen. If not breathing, give artificial respiration.

Eyes: 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.

Skin Contact: Wash exposed areas thoroughly with soap and water until chemical is removed. Removed contaminated clothing and launder before reuse. Wash with soap and water. Get medical attention if irritation develops or persists.

Ingestion: Drink 3-4 glasses of water and DO NOT induce vomiting. Do not give anything by mouth to an unconscious or convulsing person. Get medical attention. 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: 13C; 55F

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. Vapors may be ignited by heat, sparks, flames or other sources of ignition at or above the low 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.

Extinguishing Media: Use alcohol resistant foam, carbon dioxide, dry chemical, or water spray when fighting fires. Water or foam may cause frothing if liquid is burning but it still may be a useful extinguishing agent if carefully applied to the fire. Do not direct a water stream directly into the hot burning liquid.

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. Vapors may be ignited by heat, sparks, flames or other sources of ignition at or above the low 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.

Hazardous Combustion Products: Carbon monoxide Toxic fumes.

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

Handling:	Wash thoroughly after handling. Avoid contact with material. Ground and bond containers when transferring material. Keep in air-tight containers- material is hygroscopic. "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. Use spark-proof tools and explosion-proof equipment. Remove contaminated clothing and wash before reuse. Follow all MSDS/label precautions even after container is emptied because it may retain product residues.
Storage:	Do not store near combustible materials. Keep container closed when not in use. Keep away from heat, sparks, and flame. Avoid exposure to sunlight or ultraviolet (UV) light sources.

VIII. ENGINEERING CONTROLS AND PERSONAL PROTECTIVE EQUIPMENT

Engineering Controls:	Facilities storing or using this material should be equipped with an eyewash and safety shower. 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

Physical State:	COLORED LIQUID
Odor:	STRONG SOLVENT
Solids Vol %:	10.0732
Solids Wt %:	13.9601
Material VOC lbs/gal:	6.0079
Material VOC gms/l:	721.4998
Weight per gallon:	7.4058

X. STABILITY AND REACTIVITY

Conditions to Avoid:	Contamination. Contact with air. Visible light. Contact with water.
Chemical Incompatibility:	Strong oxidizing agents. Nitrogen oxides. Strong acids. Strong alkalis. Water.
Hazardous Polymerization:	Hazardous Polymerization will not occur.

XI. TOXICOLOGICAL INFORMATION

Chemical Name	CAS Number	LD50/LC50
Ethyl alcohol	64-17-5	Inhalation LC50 Rat : 20000 ppm/10H; Inhalation LC50 Mouse : 39 gm/m ³ /4H; Oral LD50 Rat : 7060 mg/kg; Oral LD50 Mouse : 3450 mg/kg
2-Propanol, 1-ethoxy-	1569-02-4	Inhalation LC50 Rat : >10000 ppm/4H; Oral LD50 Rat : 4400 mg/kg; Dermal LD50 Rabbit : 8100 mg/kg
Acetic acid, propyl ester	109-60-4	Oral LD50 Rat : 9370 mg/kg; Oral LD50 Mouse : 8300 mg/kg; Dermal LD50 Rabbit : >20 mL/kg
Dipropylene glycol, monomethyl ether	34590-94-8	Oral LD50 Rat : 5400 uL/kg; Dermal LD50 Rabbit : 10 mL/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
Cobalt	7440-48-4	Oral LD50 Rat : 6171 mg/kg

XII. ECOLOGICAL INFORMATION

Overview (for ingredients): No data available.

Ecological Toxicity Values:

XIII. DISPOSAL CONSIDERATIONS

Waste Description for Spent Product: Spent or discarded material is a hazardous waste.

Disposal Methods: 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:

Chromium (total)	7440-47-3	0.38 %
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XIV. TRANSPORTATION INFORMATION

DOT Paint3 UN1263 PGII

XV. REGULATORY INFORMATION

Toxic Substances Control Act (TSCA):

Chemical Name	Regulation	CASRN	%
Isopropyl alcohol	SARA 313 Reportable:	67-63-0	2.8
Chromium	SARA 313 Reportable:	7440-47-3	0.38
Cobalt	SARA 313 Reportable:	7440-48-4	0.07
Cobalt metal powder	California Proposition 65 Cancer List:	7440-48-4	0.07
Ethyl alcohol	California Proposition 65 Developmental Toxicity:	64-17-5	56.34
Ethanol	New Jersey Right To Know:	64-17-5	56.34
Dye	New Jersey Right To Know:		12.64
Polyketone Resin	New Jersey Right To Know:		8.2
Water	New Jersey Right To Know:		4.82
2-Propanol, 1-ethoxy	New Jersey Right To Know:	1569-02-4	3.25

XVI. ADDITIONAL INFORMATION

Other Information:

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MSDS glossary.