



B102-0714 Behlen Penthouse Polish

MATERIAL SAFETY DATA SHEET

RPM Wood Finishes Group
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FOR ALL INTERNATIONAL TRANSPORTATION ACCIDENTS. 1-703-527-3887 (collect)

Health: 2 Flammability: 4 Reactivity 0

PRODUCT NAME: B102-0714 Behlen Penthouse Polish

I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

REVISION DATE: 09/09/03
SUPERCEDES: 21/04/03
MSDS NO. B102-0714

II. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	%	CAS #	PEL
aliphatic hydrocarbons	1-10	8052-41-3	500 ppm TWA; 2900 mg/m3 TWA
Silinol/Polydimethylsiloxane	1-10	70131-67-8	No PEL established
propane	1-10	74-98-6	1000 ppm TWA; 1800 mg/m3 TWA
isobutane	1-10	75-28-5	No PEL established

III. HAZARDS IDENTIFICATION

Routes of Entry: Inhalation., Eye contact., Skin contact.
Medical Conditions Aggravated: Kidney disease. Eye disease. Skin disease including eczema and sensitization. Respiratory disease including asthma and bronchitis.

Immediate (Acute) Health Effects

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

Skin Contact: Exposure to rapidly expanding gas or vaporizing liquid may cause frostbite ("cold" burn). Can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.

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

Skin Absorption: Can be absorbed through the skin but exposure must be extensive before adverse health effects occur.

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:

Stoddard solvent	skin, eyes, CNS, respiratory system, kidneys
Propane	CNS
Isobutane	CNS

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 moderate respiratory irritation, dizziness, weakness, fatigue, nausea and headache.

Skin Contact: 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: Kidneys. Eyes. Skin. Nervous System. Respiratory Tract.

Supplemental Health Hazard Information: No additional health information available.

IV. FIRST AID

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

Eyes: 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.

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: No hazard in normal industrial use. Do not induce vomiting. Seek medical attention if symptoms develop. Provide medical care provider with this MSDS.

Notes to MD: No additional first aid information available.

V. FIRE FIGHTING MEASURES

Flammability Summary:

Flash Point:	-144 (CALC.) °F
Fire Hazards:	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 methods suitable to fight surrounding fire. 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

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. Use spark-proof tools and explosion-proof equipment. Harmful or irritating material. Avoid contact and avoid breathing the material. Use only in a well ventilated area.
Storage:	Keep away from sources of ignition. Keep from freezing. Store in a cool dry ventilated location. Isolate from incompatible materials and conditions. Keep container(s) closed.

VIII. ENGINEERING CONTROLS AND PERSONAL PROTECTIVE EQUIPMENT

Engineering Controls:	Check ventilation codes. No exposure limits exist for the constituents of this product. Use local exhaust ventilation or other engineering controls to minimize exposures and maintain operator comfort.
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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 %:	0.9739
Solids Wt %:	0.95
Material VOC lbs/gal:	0.8357
Material VOC gms/l:	100.3571
Coatings VOC lbs/gal:	4.9582
Coatings VOC gms/l:	595.4343
Weight per gallon:	7.8417

X. STABILITY AND REACTIVITY

Stability Information:	Stable. Stable under normal conditions.
Conditions to Avoid:	Avoid: heat, sparks, flame and oxidizing agents. None known.
Chemical Incompatibility:	Strong oxidizing agents.

XI. TOXICOLOGICAL INFORMATION

Chemical Name	CAS Number	LD50/LC50
Propane, 2-methyl-	75-28-5	Inhalation LC50 Rat : 57 pph/15M

XII. ECOLOGICAL INFORMATION

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

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: D001

Components Subject to USEPA Land Disposal Restrictions:

No chemicals subject to land disposal restrictions. %

XIV. TRANSPORTATION INFORMATION

DOT Compressed gas, flammable, n.o.s., 2.1, UN 1954 (contains)

XV. REGULATORY INFORMATION

Chemical Name	Regulation	CASRN	%
No 313-listed chemicals in this product	SARA 313 Reportable:		
aliphatic hydrocarbons	New Jersey Right To Know:	8052-41-3	4.73
Silanol/Polydimethylsiloxane	New Jersey Right To Know:	70131-67-8	3.97
propane	New Jersey Right To Know:	74-98-6	3.44
isobutane	New Jersey Right To Know:	75-28-5	1.56

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.