


Material Safety Data Sheet

**BRIWAX
INT'L, INC.**



BY APPOINTMENT TO
H.M. QUEEN ELIZABETH II
MANUFACTURERS OF
FRENCH POLISHES & LAQUERS
J W BOLLOM & Co. LTD.
T/A HENRY FLACK (1860) LTD

 Instructions	This Data Sheet contains Important Information. READ AND KEEP FOR REFERENCE.
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1.0 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: BRIWAX Grain Filler

Product Code: 1024(II)

Manufacturer/Supplier:

BRIWAX International Inc. 2222 Spring Creek Pkwy.
P.O. Box 865110 Suite 105
Plano, TX 75086-5110 Plano, TX 75023
1-800-5-BRIWAX
Fax: 972-867-8960

Transportation Emergencies: Call Chemtrec, 1-800-424-9300

Revision Number: 8/2000 - I

Intended use: Furniture sealer

Description: Resin in solvent

Chemical Family: Resin in solvent

2.0 COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	%	CAS #	OSHA Exposure Limits
White spirit	3-7		No PEL established
4-Hydroxy-4-methylpentan-2-one	1-5		No PEL established

Components not listed are not physical or health hazards as defined in 29 CFR 1910.1200 (Hazard Communication Standard).

3.0 HAZARDS IDENTIFICATION

Emergency Overview	Moderate eye irritant. Causes mild skin irritation. Highly Flammable.
Target Organs Potentially Affected by Exposure:	Eyes, Nervous System
Chemical Interactions that Change Toxicity:	No chemical interaction known to affect toxicity.
Medical Conditions Aggravated:	No medical conditions affected by exposure.

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3.0 HAZARDS IDENTIFICATION CONT'D

Immediate (Acute) Health Effects by Route of Exposure

Inhalation Irritation	Can cause moderate respiratory irritation, dizziness, weakness, fatigue, nausea and headache.
Skin Contact	Can cause minor skin irritation, defatting and dermatitis. Continued or prolonged contact may irritate the skin and cause a skin rash (dermatitis).
Skin Absorption	
Eye Contact	Minimal hazard in normal industrial use. May cause gastrointestinal discomfort.
Ingestion Irritation	Can cause moderate irritation, tearing and reddening, but not likely to permanently injure eye tissue.
	Mildly irritating to mouth, throat, and stomach. Can cause abdominal discomfort.

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
Reproductive and Developmental Toxicity	No data available to indicate product or any components present at greater than 0.1% may cause birth defects.
Mutagenicity	No data available to indicate product or any components present at greater than 0.1% is mutagenic or genotoxic.

4.0 FIRST AID MEASURES

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:	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.
Ingestion :	Minimal risk of harm if swallowed. Do not induce vomiting. Seek medical attention immediately. Provide medical care provider with this MSDS.
Notes To Doctor:	Aspiration during swallowing or vomiting may severely damage the lungs.

5.0 FIRE FIGHTING MEASURES

Flammability	Highly Flammable
Summary: Extinguishing Media	Carbon dioxide; Dry Chemical; Alcohol foam; Sand; Flammable component(s) of this material may be lighter than water and burn while floating on the surface.
Fire and/or Explosion Hazards	Vapors may be ignited by sparks, flames, or other sources of ignition if material is above the 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.
Fire Fighting Methods and Protection	Do not enter fire area without proper protection including self-contained 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.
Hazardous Combustion Products	Carbon dioxide; Carbon monoxide; Nitrogen containing gases; Smoke
Flash Point	21C/70F
Lower Flammable/Explosive Limit, % in air	0.6

6.0 ACCIDENTAL RELEASE MEASURES

Personal Precautions and Equipment	Exposure to the spilled material may be irritating or harmful. Follow personal protective equipment recommendations found in Section 8 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.
Methods for Clean-up	Prevent the spread of any spill to minimize harm to human health and the environment is safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section 8 at a minimum. Dike with suitable absorbent material like granulated clay. Gather and store in a sealed container pending a waste disposal evaluation.

7.0 HANDLING AND STORAGE

Handling Technical Measures and Precautions	Harmful or irritating material. Avoid contacting and avoid breathing the material. Use only in a well ventilated area. As with all chemicals, good industrial hygiene practices should be followed when handling this material. 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. Remove contaminated clothing and wash before reuse. Use spark-proof tools and explosion-proof equipment.
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7.0 HANDLING AND STORAGE CONT'D

Storage Technical Measures and Conditions	Store in a cool dry ventilated location. Isolate from incompatible materials and conditions. Keep container closed when not in use.
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8.0 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Measures	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.
Respiratory Protection	Respiratory protection may be required to avoid overexposure when handling this product. General or local exhaust ventilation is the preferred means of protection. Use a respirator if room ventilation is not available or sufficient to eliminate symptoms.
Eye Protection	Wear chemically resistant safety glasses with side shields when handling this product. Do not wear contact lenses.
Skin Protection	Not normally considered a skin hazard. Where use can result in skin contact, practice good personal hygiene and wear a barrier cream and /or impervious surgical style gloves. Wash hands and other exposed area with mild soap and water before eating, drinking and when leaving work.
Gloves	No information available.

Control Parameters

Chemical Name

ACGIH TLV-TWA

ACGIH STEL IDHL

none

9.0 PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Paste
Color	Depends upon product selection. The color additives do not affect product hazards.
Odor	Mild
Solubility in Water	Negligible; 0-1%
Volatile Organic Chemicals	287

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9.0 PHYSICAL AND CHEMICAL PROPERTIES CONT'D

Specific Gravity	1.5
Density	12.5

10.0 STABILITY AND REACTIVITY

Stability	Stable under normal conditions
Materials to Avoid/Chemical Incompatibility	Strong oxidizing agents; Strong acids; Strong alkalies
Hazardous Decomposition Products	Carbon dioxide; Carbon monoxide

11.0 TOXICOLOGICAL INFORMATION

Ingestion: Estimated to be 0.5—2.0 g/kg; moderately toxic

Inhalation: Estimated to be >5000 ppm; practically non-toxic.

Absorption: Estimated to be 2.0-5.0g/kg; slightly toxic

Component Toxicology Data (NIOSH):

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
Propyl alcohol	71-23-8	Inhalation LC50 Mouse: 48 gm/m ³ ; Oral LD50 Rat : 1870 mg/kg; Oral LD50 Mouse: 6800 mg/kg; Dermal LD50 Rabbit: 4060 mg/kg
Methanol	67-56-1	Inhalation LC50 Rat : 64000 ppm/4H; Oral LD50 Rat : 5628 mg/kg; Oral LD50 Mouse : 7300 mg/kg; Dermal LD50 Rabbit : 15800 mg/kg

12.0 ECOLOGICAL INFORMATION

Overview	Slight ecological hazard. In high concentrations, this product may be dangerous to plants and/or wildlife.
Mobility	No Data
Persistence	No Data
Bioaccumulation	Bioconcentration is not expected to occur.
Degradability	Biodegrades quickly.

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13.0 DISPOSAL CONSIDERATION

Waste Description for Spent Product	Spent or discarded material is hazardous waste.
Disposal Methods	Dispose of by incineration following Federal, State, Local and Provincial regulations.
EPA Waste Code(s)	If discarded this product is considered a RCRA ignitable waste, D001.
Substances subject to EPA Land Ban	U154- Methyl alcohol.

14.0 TRANSPORTATION INFORMATION

DOT Basic Description: DOT & IATA : PAINT RELATED MATERIAL, 3, UN1263, PG II, LABEL REQUIRED: FLAMMABLE LIQUID.

15.0 REGULATORY INFORMATION

TSCA Status: All components in this product are on the TSCA Inventory.

Chemical Name	CAS #	Regulation	%Range
Methanol	67-56-1	CERCLA	0.5-1.5
Methanol	67-56-1	SARA 313	0.5-1.5
Ethanol		Prop 65	

Substances known to the State of California to cause cancer or reproductive harm: Ethanol.

16.0 ADDITIONAL INFORMATION

Other Info	Prepared by Thomas J. Lewis Ph.D.
Disclaimer	<p>The information contained in this safety data sheet is provided in accordance with the requirements of OSHA Hazard Communication (29 CFR 1910.1200). The product should not be used for purposes other than those shown in Section 1 without first referring to the supplier and obtaining written instructions. As the specific conditions of use of the product are outside of the suppliers control, the user is responsible for ensuring that the requirements of relevant legislation are complied with.</p> <p>The information contained in this Material Safety Data Sheet is based on the present state of knowledge and current national legislation. It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance as suitability for particular applications.</p>