


# 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	<b>This Data Sheet contains Important Information. READ AND KEEP FOR REFERENCE.</b>
---	---

## 1.0 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** BRIWAX– Toluene Free

**Product Code:** 1993 (I2)

**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:** Wood polish

**Description:** Wax polish

**Chemical Family:** Wood finish

## 2.0 COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	%	CAS #	OSHA Exposure Limits
Hydrocarbons, C3-4	30-60	68476-40-4	No PEL established
1,2,4– Trimethylbenzene	3-7	95-63-6	No PEL established
Light aromatic solvent naphtha	3-7	64742-95-6	No PEL established
Xylene	3-7	1330-20-7	100 ppm TWA; 435 mg/m3 TWA

## 3.0 HAZARDS IDENTIFICATION

<b>Emergency Overview</b>	Severe eye irritant. Causes skin irritation. Severe respiratory tract irritant. Moderate gastrointestinal tract irritant. <b>Highly Flammable.</b>
<b>Routes of Entry</b>	Contact; Inhalation; Absorption; Ingestion; Skin contact; Eye contact
<b>Target Organs Potentially Affected by Exposure</b>	Nervous System; Lungs; Eyes; Skin; Blood; Respiratory Tract; Digestive Tract; Liver; Kidneys
<b>Chemical Interactions that Change Toxicity:</b>	No chemical interaction known to affect toxicity.
<b>Medical Conditions Aggravated</b>	Lung disease; Eye disease; Skin disease including eczema and sensitization; Respiratory disease including asthma and bronchitis; Digestive tract disease; Liver disease; Kidney disease

P.O. Box 865110 Plano, TX 75086  
<http://www.briwax.com>  
Copyright 2004, BRIWAX Int'l., Inc.

### 3.0 HAZARDS IDENTIFICATION CONT'D

#### Immediate (Acute) Health Effects by Route of Exposure

<b>Inhalation Irritation</b>	Can cause severe respiratory irritation, dizziness, weakness, fatigue, nausea, headache and possible unconsciousness.
<b>Inhalation Toxicity</b>	Harmful!! Can cause systemic damage (see "Target Organs")
<b>Skin Contact</b>	Can cause moderate skin irritation, defatting and dermatitis. Not likely to cause permanent damage.
<b>Skin Absorption</b>	May cause irritation and minor systemic damage.
<b>Eye Contact</b>	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.
<b>Ingestion Irritation</b>	Irritating to mouth, throat, and stomach. Can cause abdominal discomfort, nausea, vomiting, and diarrhea. Aspiration of material into the lungs can cause chemical pneumonitis which can be fatal.
<b>Ingestion Toxicity</b>	Toxic if swallowed. May cause target organs failure and/or death.

#### Long-Term (Chronic) Health Effects

### 4.0 FIRST-AID MEASURES

<b>Carcinogenicity</b>	Contains a substance that is a possible cancer hazard based on high dose animal studies and/or a human study.
<b>Reproductive and Developmental Toxicity</b>	No data available to indicate product or any components present at greater than 0.1% may cause birth defects.
<b>Mutagenicity</b>	No data available to indicate product or any components present at greater than 0.1% is mutagenic or genotoxic.

<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 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>	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. 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.

## 5.0 FIRE FIGHTING MEASURES

<b>Flammability</b>	<b>Highly Flammable</b>
<b>Summary: Extinguishing Media</b>	Alcohol foam; Carbon dioxide; Dry chemical
<b>Fire and /or Explosion Hazards</b>	Vapors may be ignited by sparks, flames or other sources of ignition if material is above 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. 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 component(s) of this material may be lighter than water and burn while floating on the surface.
<b>Fire Fighting Methods and Protection</b>	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 hazardous vapors and decomposition products.
<b>Hazardous Combustion Products</b>	Carbon dioxide; Carbon monoxide
<b>Flash Point</b>	<b>0C; 32F</b>
<b>Upper Flammable/Explosive Limit, % in air</b>	7
<b>Lower Flammable/Explosive Limit, %in air</b>	1

## 6.0 ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions and Equipment</b>	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.
<b>Methods for Clean-Up</b>	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 recommendations 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. Shut off ignition sources; including electrical equipment and flames. Do not allow smoking in the area. Small spill (in incidental release): Wear complete and proper personal protective equipment ventilate the area. Contain and absorb with granulated clay or other absorbent material and put into properly labeled containers for disposal.

## 7.0 HANDLING AND STORAGE

<b>Handling Technical Measures and Precautions</b>	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. "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. Follow all protective equipment recommendations provided in Section 8.
<b>Storage and Technical Measures and Conditions.</b>	Store in a cool dry ventilated location. Isolate from incompatible materials and conditions. Keep container(s) closed. Keep away from heat, sparks, and flame.

## 8.0 EXPOSURE CONTROL/PERSONAL PROTECTION

<b>Engineering Measures</b>	Local exhaust ventilation or other engineering controls are normally required when handling or using this product to avoid overexposure.
<b>Respiratory Protection</b>	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 general room ventilation is not available or sufficient to eliminate symptoms. Follow a respiratory protection program that meets 29 CFR 190.134 and ANSI Z88.2 requirements whenever work place conditions warrant the use of a respirator.
<b>Eye Protection</b>	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.
<b>Skin Protection</b>	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. When splashing is possible, full chemically resistant protective clothing including a full chemically resistant suit and boots are required.
<b>Gloves</b>	Impervious rubber, Nitrile

### Control Parameters:

<b>Chemical Name</b>	<b>ACGIH TLV-TWA</b>	<b>ACGIH STEL</b>
Xylenes (o-, m-, p= isomers)	100 ppm TWA; 434 mg/m <sup>3</sup> TWA	150 ppm STEL; 651 mg/m <sup>3</sup> STEL

## 9.0 PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State</b>	Paste
<b>Color</b>	Colorless to pale amber
<b>Odor</b>	Strong Aromatic
<b>Solubility in Water</b>	Negligible; 0-1%
<b>Vapor Density</b>	Heavier than air. Vapors that evolve from this product will tend to settle and accumulate near the floor.
<b>Volatile Organic Chemicals</b>	549 g/l
<b>Boiling Point</b>	140 deg. C
<b>Specific Gravity</b>	0.775
<b>Bulk Density</b>	8.111 #/gal .

P.O. Box 865110 Plano, TX 75086  
<http://www.briwax.com>  
 Copyright 2004, BRIWAX Int'l, Inc.

## 10.0 STABILITY AND REACTIVITY

<b>Stability</b>	Stable under normal conditions
<b>Conditions to Avoid</b>	Sparks, open flame, other ignition sources, and elevated temperatures. Contamination
<b>Materials to Avoid/ Chemical Incompatibility</b>	Strong oxidizing agents; Chlorine; Strong acids
<b>Hazardous Decomposition Products</b>	Carbon dioxide; Carbon monoxide.

## 11.0 TOXICOLOGY INFORMATION

**Acute Toxicity:** This material is likely to be moderately irritating to eyes based on animal data.  
This material is likely to be moderately irritating to skin based on animal data.  
Likely to be moderately toxic based on animal data.

### Component Toxicology Data (NIOSH):

<b>Chemical Name</b>	<b>CAS number</b>	<b>LD50/LC50</b>
Benzene, 1,2,4-trimethyl	95-63-6	Inhalation LC50 Rat: 18gm/m <sup>3</sup> /4H; Oral LD50 Rat: 5gm/kg
Xylene	1330-20-7	Inhalation LC50 Rat: 5000 ppm/4H; Oral LD50 Rat: 4300 mg/kg Dermal LD50 Rabbit: >1700mg/kg

## 12.0 ECOLOGICAL INFORMATION

<b>Overview</b>	Moderate ecological hazard. This product may be dangerous to plants and/or wildlife.
<b>Mobility</b>	This material is expected to have moderate mobility in soil. It absorbs to most soil types.
<b>Persistence</b>	No data.
<b>Bioaccumulation</b>	Bioconcentration may occur.
<b>Degradability</b>	Does not biodegrade readily.

## 13.0 DISPOSAL CONSIDERATIONS

<b>Waste Description for Spent Product</b>	Spent or discarded material is a hazardous waste.
<b>Disposal Methods</b>	Dispose of by incineration following Federal, State, Local, or Provincial regulations.
<b>EPA Waste Code(s)</b>	If discarded, this product is considered a RCRA ignitable waste, D001.
<b>Substances subject to EPA Land Ban</b>	U239 Xylenes (o-, m-, p- isomers)

## 14.0 TRANSPORTATION INFORMATION

**DOT Basic Description:** DOT & IATA: FLAMMABLE LIQUID N.O.S. (NAPHTHA (PETROLEUM) HYDROTREATED LIGHT XYLENES), CLASS 3, UN1993, PG II,  
LABEL REQUIRED: FLAMMABLE LIQUID

**P.O. Box 865110 Plano, TX 75086**  
**<http://www.briwax.com>**  
**Copyright 2004, BRIWAX Int'l, Inc.**

## 15.0 REGULATORY INFORMATION

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

<b>Chemical Name</b>	<b>CAS #</b>	<b>Regulation</b>	<b>% Range</b>
Benzene, dimethyl-	1330-20-7	CERCLA	3-7
1,2,4-Trimethylbenzene	95-63-6	SARA 313	3-7
Xylene (mixed isomers)	1330-20-7	SARA 313	3-7

**Substances known to the State of California to cause cancer or reproductive harm:** None

## 16.0 ADDITIONAL INFORMATION

<b>Other Info</b>	Prepared by Thomas J. Lewis Ph.D.
<b>Disclaimer</b>	<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>

**P.O. Box 865110 Plano, TX 75086**  
**<http://www.briwax.com>**  
**Copyright 2004, BRIWAX Int'l, Inc.**