

# Material Safety Data Sheet

Henry Flack  
International



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



This Data Sheet contains Important  
Information.  
**READ AND KEEP FOR REFERENCE.**

Instructions

## 1.0 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** BRIWAX Original

**Product Code:** 800000

**Manufacturer/Supplier:**

Henry Flack 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:** 1

**Intended use:** Furniture polish

**Description:** Wax Polish

**Chemical Family:** Wood Finish

## 2.0 COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	%	CAS #	OSHA Exposure Limits
Toluene	60—90	108-88-3	200 ppm TWA C 300 ppm

## 3.0 HAZARDS IDENTIFICATION

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

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

<b>Inhalation Irritation</b>	Can cause moderate respiratory irritation, dizziness, weakness, fatigue, nausea and headache.
<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>	Harmful if absorbed through the skin. May cause severe irritation and systemic damage.

HFI Inc. P.O. Box 865110 Plano, TX 75086

<http://www.briwax.com>

Copyright 2000, HFI Inc.

### 3.0 HAZARDS IDENTIFICATION CONT'D

<b>Eye Contact</b>	Contact with the eyes may cause moderate to severe eye injury. Eye contact may result in tearing and red- dening, but not likely to permanently injure eye tissue. 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>	Harmful if swallowed. May cause systemic poisoning.

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

<b>Carcinogenicity</b>	None of the substances have been shown to cause cancer in long term animal studies. Not a carcinogen according to NTP, IARC, or OSHA.
<b>Reproductive and Developmental Toxicity</b>	No data available to indicate product or any components present at greater than 0.1% may cause birth de- fect.
<b>Mutagenicity</b>	No data available to indicate product or any components present at greater than 0.1% is mutagenic and genotoxic.

### 4.0 FIRST-AID MEASURES

<b>Inhalation</b>	Remove to fresh air. If breathing is difficult, have a trained professional administer oxygen. If not breath- ing, give artificial respiration and have a trained individual administer oxygen. Get medical attention im- mediately.
<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 moni- tor the eye daily as advised by your physician.
<b>Skin Contact</b>	Wash with soap and water. Remove contaminated clothing and launder. Get medical attention if irritation develops or persists.
<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 vomit- ing may lead to aspiration of this 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>	Do not enter fire area without proper protection including self-contained breathing apparatus and full pro- tective 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.

## 5.0 FIRE FIGHTING MEASURES CONT'D

<b>Fire Fighting Methods and Protection</b>	Do not enter fire area with 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. Use water spray/fog for cooling.
<b>Hazardous Combustion Products</b>	Carbon monoxide and carbon dioxide
<b>Flash Point</b>	7C; 45F
<b>Autoignition Temperature, deg C</b>	480

## 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 occurred. Also consider the expertise of employees in the area responding to the spill. Evaporation of volatile substances can lead to the displacement of air creating an environment that can cause asphyxiation.
<b>Methods for Clean-up</b>	Prevent the spread of any spill to minimize harm to harmful 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.

<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. Use spark-proof tools and explosion-proof equipment.
<b>Storage Technical Measures and Conditions</b>	Store in a cool and dry ventilated location. Isolate from in compatible materials and conditions. Keep container (s) closed. Keep away from heat, sparks and flame.

<b>Engineering Measures</b>	Use local exhaust ventilation or other engineering controls to minimize exposures and maintain operator comfort.
<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.
<b>Respirator Type(s)</b>	NIOSH approved air purifying respirator with organic vapor cartridge and HEPA filter. Air purifying respirators should not be used in oxygen deficient or IDLH atmospheres.

## 7.0 EXPOSURE CONTROLS/PERSONAL PROTECTION CONT'D

<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 when splashing or spraying liquid, or airborne material. Do not wear contact lenses. Have an eye wash station available.
<b>Skin Protection</b>	Wear protective gloves. 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.
<b>Gloves</b>	Nitrile, Neoprene

### Control Parameters:

<b>Chemical Name</b>	<b>ACGIH TLV-TWA</b>	<b>ACGIH STEL</b>
Toluene	50 ppm TWA; 188 mg/m <sup>3</sup> TWA	None

## 8.0 PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State</b>	Paste
<b>Color</b>	Colorless to pale amber
<b>Odor</b>	Moderate Aromatic
<b>pH</b>	Not applicable
<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>Evaporation Rate</b>	0.5-2 (n Butyl acetate = 1)
<b>Volatile Organic Chemicals</b>	544 g/l
<b>Boiling Point</b>	111 deg. C
<b>Specific Gravity</b>	0.725 g/ml
<b>Bulk Density</b>	7.227 lbs/gal

## 9. STABILITY AND REACTIVITY

<b>Stability</b>	Stable under normal conditions
<b>Conditions to Avoid</b>	Sparks, open flame, other ignition sources, and elevated temperatures.
<b>Materials to Avoid/Chemical Incompatibility</b>	Strong oxidizing agents.

## 10.0 TOXICOLOGICAL INFORMATION

<b>Acute Toxicity</b>	This material is likely to be severely 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 studies.
-----------------------	--

### Component Toxicology Data (NIOSH):

<b>Chemical Name</b>	<b>CAS Number</b>	<b>LD50/LC50</b>
Toluene	108-88-3	Inhalation LC50 Rat: 49 gm/m <sup>3</sup> /4H; Inhalation LC50 Mouse : 400 ppm/24H; Oral LD50 Rat : 636 mg/kg; Dermal LD50 Rabbit : 14100 uL/kg

## 11.0 ECOLOGICAL INFORMATION

Overview	Moderate ecological hazard. This product may be dangerous to plants and/or wildlife.
Mobility	This material is expected to have moderate mobility in soil. It absorbs to most soil types.
Persistence	No data
Bioaccumulation	Bioconcentrations may occur.
Degradability	Biodegrades slowly.

## 12.0 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>	U220 Toluene.

## 13.0 TRANSPORTATION INFORMATION

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

## 14.0 REGULATORY INFORMATION

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

<b>Chemical Name:</b>	<b>CAS #</b>	<b>Regulations</b>	<b>% Range</b>
Toluene	108-88-3	CERCLA	60-90
Toluene	108-88-3	SARA 313	60-90

**Substances known to the State of California to cause cancer or reproductive harm:** Toluene

HFI Inc. P.O. Box 865110 Plano, TX 75086  
<http://www.briwax.com>  
Copyright 2000, HFI Inc.

## 15.0 ADDITIONAL INFORMATION

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