


Material Safety Data Sheet

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

BRIWAX
INT'L., INC.



1.0 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: 5021 (I3) BW65 BRIWAX DANISH OIL

Product Code: 5021 (I3)

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: 1

Intended Use: Coating/Sealer

Description: BRIWAX DANISH OIL

2.0 COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	%	CAS #	OSHA Exposure Limits
Naphtha (Petroleum) Hydrodesulfurized heavy	15-40	64742-82-1	No PEL established
1,2,4—Trimethylbenzene	3-7	95-63-6	No PEL established
p-Mentha—1,8 (9) - diene	3-7	No	PEL established
Xylene (mixed isomers)	1-5	1330-20-7	100 ppm TWA; 435 mg/m3 TWA
Mesitylene	1-5	108-67-8	No PEL established
Ethylbenzene	1-5	100-41-4	100 ppm TWA; 435 mg/m3 TWA

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 to severe eye irritant. Causes skin irritation. Harmful by inhalation. Combustible Highly Flammable.
Routes of Entry	Skin contact, Eye contact, Inhalation, Contact, Absorption
Target Organs Potentially Affected by Exposure	Lungs, Nervous System, Skin, Kidneys
Chemical Interactions that Change Toxicity:	None Known
Medical Conditions Aggravated	Lung disease, Skin disease including eczema and sensitization, Kidney disease.

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Immediate (Acute) Health Effects by Route of Exposure

Inhalation Irritation	Can cause moderate respiratory irritation, dizziness, weakness, fatigue, nausea and headache.
Inhalation Toxicity	Harmful! Can cause systemic damage (see "Target Organs")
Skin Contact	Can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage. Continued or prolonged contact may irritate the skin and cause a skin rash (dermatitis).
Eye Contact	Contact with the eye 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.
Ingestion Irritation	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.
Ingestion Toxicity	Harmful if swallowed. May cause systemic poisoning.

Long-Term (Chronic) Health Effects

Carcinogenicity	Contains a substance that can cause cancer in laboratory animals at high oral doses. Not a carcinogen according to NTP, IARC, or OSHA. There is no scientific evidence to indicate the substance or this product is a human carcinogen.
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	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 with soap and water. Remove contaminated clothing and launder. Get medical attention if irritation develops or persists.
Ingestion	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 last measure. Induced vomiting may lead to aspiration of the material into the lungs potentially causing chemical pneumonitis that may be fatal.
Notes to Doctor	Aspiration during swallowing or vomiting may severely damage the lungs.

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5.0 FIRE FIGHTING MEASURES

Flammability	Flammable
Summary: Extinguishing Media	Alcohol foam; Carbon dioxide; Dry chemical; Sand; Water may be ineffective in fire fighting due to the material, or component(s) low flash point, low solvent density, and limited miscibility with water.
Fire and /or Explosion Hazards	Vapors may 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; Smoke; Soot; Nitrogen containing gases.
Flash Point	32C; 90F
Lower Flammable/Explosive Limit, %in air	0.6

6.0 ACCIDENTAL RELEASE MEASURES

7.0 HANDLING AND STORAGE

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 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.

Handling Technical Measures and Precautions	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.
Storage and Technical Measures and Conditions.	Store in a cool dry ventilated location. Isolate from incompatible materials and conditions. Keep container(s) closed. Keep away from source of ignition.

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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 general room ventilation is not available or sufficient to eliminate symptoms.
Eye Protection	Wear chemically resistant safety glasses with 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 Protection	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.
Gloves	No information available.

Control Parameters

Chemical Name	ACGIH TLV TWA	ACGIH STEL	IDLH
Xylene (Mixed Isomers)	100 ppm TWA; 434 mg/m ³ TWA	150 ppm STEL; 651 mg/m ³ STEL	900 ppm IDLH
Ethylbenzene	100 ppm TWA; 434 mg/m ³ TWA	125 ppm STEL; 543 mg/m ³ STEL	800 ppm IDLH

9.0 PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Paste
Color	Amber
Odor	None
Solubility in Water	Negligible; 0-1%
Vapor Density	0.5-2 (n-Butyl acetate = 1)
Volatile Organic Chemicals	601
Vapor Density	Lighter than air. Vapors that evolve from this product will tend to disperse in air but generally will float toward the ceiling.
Specific Gravity	0.869
Bulk Density	7.24

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10.0 STABILITY AND REACTIVITY

Stability	Stable under normal conditions
Conditions to Avoid	Temperatures above flash point in combination with sparks, open flames, or other sources of ignition.
Materials to Avoid/ Chemical Incompatibility	Strong oxidizing agents; Chlorine; Strong acids
Hazardous Decomposition Products	Carbon dioxide; Carbon monoxide; Smoke; Soot; Nitrogen containing gases.

11.0 TOXICOLOGICAL INFORMATION

Ingestion	Harmful if swallowed. May cause systemic poisoning.
Inhalation	Likely to be practically non-toxic based on animal data.
Absorption	Estimated to be 1.0-2.0 g/kg; slightly toxic.

Component Toxicology Data (NIOSH):

Chemical Name	CAS Number	LD50/LC50
Pseudocumene	95-63-6	Oral, rat: LD50 = 5 gm/kg; Inhalation, rat: LC50 = 18 gm/m ³ /4H
Xylenes (o-, m-, p-, isomers)	1330-20-7	Oral, rat: LD50 = 4300 mg/kg; Inhalation, rat: LC50 = 5000 ppm/4H; Skin, rabbit: LD50 = > 1700 mg/kg
1,3,5-Trimethylbenzene	108-67-8	Inhalation, rat: LC50 = 24 gm/m ³ /4H
Ethyl benzene	100-41-4	Oral, rat: LD50 = 3500 mg/kg; Skin, rabbit: LD50 = 17800uL/kg

12.0 ECOLOGICAL INFORMATION

Overview: Slight ecological hazard. In high concentrations, this product may be dangerous to plants and/or wildlife. Keep out of waterways.

13.0 DISPOSAL CONSIDERATIONS

Waste Description for Spent Product	Spent or discarded material is a hazardous waste.
Disposal Methods	Dispose of by incineration following Federal, State, Local, or Provincial regulations. "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous.
Waste Disposal Code(s)	D001

14.0 TRANSPORTATION INFORMATION

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

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15.0 REGULATORY INFORMATION

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

Chemical Name	CAS #	Regulation	% Range
Benzene, dimethyl-	1330-20-7	CERCLA	1-5
Ethyl benzene	100-41-4	CERCLA	1-5
1,2,4-Trimethylbenzene	95-63-6	SARA 313	3-7
Xylene (mixed isomers)	1330-20-7	SARA 313	1-5
Ethyl benzene	100-41-4	SARA 313	1-5

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>

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