

# Material Safety Data Sheet



Instructions

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

**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

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

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### 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. Continued or prolonged contact may irritate the skin and cause a skin rash (dermatitis).                                       |
| <b>Eye Contact</b>           | 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. |
| <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>                         | 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. |
| <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.   |

## 4.0 FIRST-AID MEASURES

|                        |  |
|------------------------|--|
| <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 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 last measure. Induced vomiting may lead to aspiration of the material into the lungs potentially causing chemical pneumonitis that may be fatal. |
| <b>Notes to Doctor</b> | Aspiration during swallowing or vomiting may severely damage the lungs.  |

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## 5.0 FIRE FIGHTING MEASURES

|   |  |
|---|--|
| <b>Flammability</b>                             | <b>Flammable</b>   |
| <b>Summary:<br/>Extinguishing Media</b>         | 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.   |
| <b>Fire and /or Explosion Hazards</b>           | 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.  |
| <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 of hazardous vapors and decomposition products. Flammable component(s) of this material may be lighter than water and burn while floating on the surface. |
| <b>Hazardous Combustion Products</b>            | Carbon dioxide; Carbon monoxide; Smoke; Soot; Nitrogen containing gases.   |
| <b>Flash Point</b>                              | <b>32C; 90F</b>  |
| <b>Lower Flammable/Explosive Limit, %in air</b> | 0.6  |

## 6.0 ACCIDENTAL RELEASE MEASURES

### 7.0 HANDLING AND STORAGE

|   |   |
|---|---|
| <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. |

|   |   |
|---|---|
| <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 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 source of ignition.                   |

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## 8.0 EXPOSURE CONTROLS/PERSONAL PROTECTION

|                               |   |
|-------------------------------|---|
| <b>Engineering Measures</b>   | 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.   |
| <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>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>        | 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>                 | No information available.   |

### Control Parameters

| <b>Chemical Name</b>   | <b>ACGIH TLV TWA</b>                   | <b>ACGIH STEL</b>                        | <b>IDLH</b>     |
|------------------------|--|--|-----------------|
| Xylene (Mixed Isomers) | 100 ppm TWA; 434 mg/m <sup>3</sup> TWA | 150 ppm STEL; 651 mg/m <sup>3</sup> STEL | 900 ppm<br>IDLH |
| Ethylbenzene           | 100 ppm TWA; 434 mg/m <sup>3</sup> TWA | 125 ppm STEL; 543 mg/m <sup>3</sup> STEL | 800 ppm<br>IDLH |

## 9.0 PHYSICAL AND CHEMICAL PROPERTIES

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

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## 10.0 STABILITY AND REACTIVITY

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

## 11.0 TOXICOLOGICAL INFORMATION

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

### Component Toxicology Data (NIOSH):

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

|  |  |
|--|--|
| <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. "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. |
| <b>Waste Disposal Code(s)</b>              | 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.

| <b>Chemical Name</b>   | <b>CAS #</b> | <b>Regulation</b> | <b>% Range</b> |
|------------------------|--------------|-------------------|----------------|
| 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

|                   |   |
|-------------------|---|
| <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> |

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