



MATERIAL SAFETY DATA SHEET

CARNAUBA WAX

MSDS

1. PRODUCT NAME AND COMPANY IDENTIFICATION

Product Name: CARNAUBA WAX  
Product Use: Personal Care Formulations  
Company Name: Saffire Blue Inc.  
Company Address: 1444 Bell Mill Road, Tillsonburg, ON N4G4G9 Canada  
Date Issued: 6/13/2008  
Emergency Telephone Number: Chemtrec Tel: (800) 262-8200

2. COMPOSITION/INGREDIENT INFORMATION

Composition:  
Alkyl wax acid esters 84-85%  
Free Acids 3-3.5%  
Fatty Alcohols 2-3%  
Hydrocarbons 1.5-3%  
Lactides 2-3%  
Resins (Alcohol Soluble) 4-6%  
Hazardous Components: None

3. HAZARDS IDENTIFICATION

HMIS Ratings Health: 1 Flammability: 1 Reactivity: 1  
Environmental Hazards: None Known  
Human Health Hazards: As listed below

4. FIRST AID MEASURES

Effects and Symptoms

Ingestion: Not known to be hazardous  
Inhalation: Molten wax fumes may cause mild upper respiratory irritation  
Skin Contact: Molten wax will cause burns on contact with skin  
Eye Contact: Irritation

First Aid Measures

Ingestion: Induce vomiting and seek medical attention  
Inhalation: Remove to fresh air and seek medical advise if necessary  
Skin: Flush with cold water and seek medical attention  
Eyes: Flush with cold water and seek medical attention

Medical Conditions Generally Aggravated by Exposure: None

## 5. FIRE FIGHTING MEASURES

<b>Extinguishing Media:</b>	Dry Chemical, Carbon Dioxide and Foam for fires
<b>Special Firefighting Procedures:</b>	None
<b>Unusual Fire &amp; Explosion Hazards:</b>	None
<b>Hazardous Thermal Decomposition Products:</b>	Pyrolysis products: CO <sub>2</sub> , CO and other organic compounds may be formed

## 6. ACCIDENTAL RELEASE MEASURES (STEPS FOR SPILLS)

<b>Personal Precautions:</b>	See below
<b>Environmental Precautions:</b>	Advise authorities if product enters sewer
<b>Methods for Cleaning Up:</b>	Allow to cool and scrape up

## 7. HANDLING AND STORAGE

### Handling

<b>Safe Handling:</b>	Keep away from heat, keep cool
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### Storage

<b>Requirements for Storage Areas and Containers:</b>	Store in a cool, dry location, in a sealed container. Do not store near strong oxidizing agents or acids. Shelf life 2 years under normal conditions.
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## 8. EXPOSURE CONTROL/PERSONAL PROTECTION

<b>Eye:</b>	Splash goggles or face shield should be worn to protect from molten wax.
<b>Skin/Body:</b>	Protective clothing to prevent contact with skin. Gloves should be worn.
<b>Respiratory:</b>	Not needed under normal conditions of use. Use adequate ventilation or NIOSH-approved respiratory devices if heating product.
<b>Ventilation:</b>	A mechanical exhaust/ventilation or fume collection system is recommended if heating product to elevated temperatures.
<b>Other:</b>	Evaluate need based on application. Slip proof shoes may be worn where spills may occur.
<b>Work/Hygiene Practice:</b>	Normal work and hygiene practices for handling non-hazardous liquid material.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State:</b>	Hard Wax
<b>Color:</b>	Yellow to brown
<b>Odor:</b>	Characteristic odor
<b>pH:</b>	N/A
<b>Vapor Pressure (mm Hg.):</b>	N/A
<b>Vapor Density (AIR = 1):</b>	N/A
<b>Boiling Point:</b>	--
<b>Melting Point:</b>	81-86° C
<b>Specific Gravity (H<sub>2</sub>O = 1):</b>	0.996-0.998

Solubility in Water: Insoluble  
Flash Point: > 298° C Cleveland Open Cup

#### 10. STABILITY AND REACTIVITY

Stability: Stable  
Incompatibility (Materials to Avoid): Avoid strong oxidizers  
Hazardous Decomposition or Byproducts: Pyrolysis products: CO<sub>2</sub>, CO and other organic compounds may be formed  
Conditions to Avoid: Do not overheat. Reduce heat if product smokes.  
Hazardous Polymerization: Will Not Occur

#### 11. TOXICOLOGICAL INFORMATION

Acute Oral Toxicity: 1.1g/kg LD<sub>0</sub>  
Skin Irritation: No irritation potential (Patch Test)  
Eye Irritation: No irritation potential  
Medical Conditions Generally Aggravated by Exposure: None

#### 12. ECOLOGICAL INFORMATION

No Information

#### 13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods: Do not put into sewer lines. Dispose of according to local, state and federal regulations.

#### 14. TRANSPORT INFORMATION

DOT Classification: Not regulated  
Class/Division: Not restricted  
Proper Shipping Name: NA  
Label: None  
Packing Group: NA  
ID Number: NA  
Hazard: NA

#### 15. REGULATORY INFORMATION

CAS No.: 8015-86-9  
CTFA/INCI Name: Carnauba (Copernicia cerifera) Wax  
EINECS No.: 232-399-4  
EEC No.: 903  
Japanese Name/Source: Carnauba Wax/JSCI  
FDA Approved 21 CFR 184.1978

#### 16. ADDITIONAL INFORMATION

This information is provided for documentation purposes only.  
This product is not considered hazardous.

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The complete range of conditions or methods of use are beyond our control therefore we do not assume any responsibility and expressly disclaim any liability for any use of this product. Information contained herein is believed to be true and accurate however, all statements or suggestions are made without warranty, expressed or implied, regarding accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof. Compliance with all applicable federal, state, and local laws and local regulations remains the responsibility of the user.

This safety sheet cannot cover all possible situations which the user may experience during processing. Each aspect of your operation should be examined to determine if, or where, additional precautions may be necessary. All health and safety information contained in this bulletin should be provided to your employees or customers.