



**MATERIAL SAFETY DATA SHEET**

**SECTION: 1.1 PRODUCT IDENTIFICATION**

**Product Name:** Coffee Oil  
**Botanical Name:** *Coffea arabica*  
**INCI Name:** Coffee Arabica seed oil  
**Product Use:** Personal Care Formulations  
**CAS#:** 8001-67-0  
**Country of Origin:** Brazil

**SECTION: 1.2 COMPANY IDENTIFICATION**

**Company:** Saffire Blue Inc.  
1444 Bell Mill Road  
Tillsonburg, ON N4G4G9 Canada  
Tel: 519-286-0295

**24 HOUR EMERGENCY TELEPHONE NUMBER: (613)-996-6666 CANUTEC**

**SECTION: 2. COMPOSITION / INFORMATION INGREDIENTS**

Chemical Name	CAS Number
Coffee Oil	8001-67-1

**Main components:** linoleic, palmitic acid, stearic acid, oleic acid, sterols

**SECTION: 3. HAZARDS IDENTIFICATION**

**Human Health:** Not expected If used properly.

**SECTION: 4. FIRST AID MEASURES**

**Eye Contact:** Irrigate with water immediately, continue flushing eyes with water for 15 minutes. Seek medical attention if irritation persists.

**Inhalation:** Remove to fresh air. No adverse effects due to inhalation are expected.

**Ingestion:** No adverse effects due to ingestion are expected.

**Skin Contact:** No adverse effects due to skin contact are expected. Wash with soap and plenty of water.

**SECTION: 5. FIRE FIGHTING MEASURES**

**Flash Point:** 323°C

**Extinguishing media:** Carbon Dioxide, dry chemical or foam.  
DO NOT USE direct water jet on burning material.

**Special Procedures:** Determine the need to evacuate or isolate the area according to your local emergency plan. Do not use water.

**Unusual Firefighting Hazards:** None identified.

**Protective Equipment:** Self-contained breathing apparatus and protective clothing should be worn when fighting fires involving essential oils or chemicals.

**Combustion Product:** Carbon Monoxide, Carbon Dioxide with incomplete combustion.

**SECTION: 6. ACCIDENTAL RELEASE MEASURES**

**Personal Precautions:** Use of self-contained breathing apparatus is recommended for any major chemical spill. Refer also to section 8.

**Safety Precautions:** Eliminate all ignition sources. Ventilate area. Determine the need to



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**Environmental Precautions:** Evacuate or isolate the area according to your local emergency plan. Keep away from drains, surface and ground water. Report spills to appropriate Authorities if required.

**Methods For Cleaning Up:** Contain and collect with inert absorbent material and place in suitable container for disposal. Comply with all federal, state, and local regulation. Wipe small spills with cloth. Clean with hot water and detergent.

### SECTION: 7. HANDLING AND STORAGE

**Handling:** Avoid inhalation and contact with skin and eyes. Good personal hygiene practices should be used. Wash after any contact, before breaks and meals, and at the end of the work period. Contaminated clothing and shoes should be cleaned before re-use.

**Storage:** Containers should be kept closed in order to minimize contamination. Store in a cool, dry, well ventilated place protected from light. Keep from extreme heat and from freezing conditions and away from all sources of ignition. Make sure the material is not exposed to substances listed as: "Materials to Avoid".

### SECTION: 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

**Eyes Protection:** The use of safety glasses is recommended. If a material is to be handled in a manner where splashing may occur, the use of splash goggles or face shield is recommended.

**Respiratory Protection:** In well- ventilated areas, respiratory protection is not normally required.

**Protective Gloves:** Using chemical resistant gloves is recommended.

**Protective Clothing:** Using chemical resistant clothing is recommended.

**Protective Equipment:** An eyewash fountain and / or safety shower should be available in the work area. Acceptable industrial hygiene practices should be maintained.

### SECTION: 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Brown to dark brown liquid

**Odor:** Roasted coffee aroma

**Solubility:** Insoluble in water

**Moisture, %:** < 2.0

**Density:** 0.92 – 1.2 g/ml @ 25°C

**Melting Point:** 4 - 10°C

**Acid Value:** < 5.0 mg KOH/g

**Peroxide Value:** <10.0 meq/kg

**Iodine Value:** 84 - 90

**Viscosity at 25°C (CP):** < 300

**Unsatifiable Matter (%)** < 8.0%

### SECTION: 10. STABILITY AND REACTIVITY

**Stability:** Chemically stable through time.  
This material presents no significant reactivity hazard.



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**Conditions to Avoid:** None  
**Materials to Avoid:** Strong oxidizing agents.  
**Hazardous Polymerization:** Will not occur.  
**Hazardous Combustion or Decomposition Products:** Smoke, carbon monoxide and carbon dioxide.

**SECTION: 11. TOXICOLOGICAL INFORMATION**

**Inhalation:** No adverse affects are expected.  
**Skin Contact:** Adverse skin effects should be prevented by normal care and personal hygiene.  
**Eye Contact:** May irritate eyes.  
**Ingestion:** No adverse affects are expected.  
**Medical Conditions Aggravated by exposure:** No adverse affects are expected.  
**Chronic Toxicity:** No adverse affects are expected.  
**Carcinogenicity Data:** None of the components of this material are listed as a carcinogen.  
**Reproductive Toxicity:** No adverse effects on reproduction are known.  
**Acute Toxicity Values:** No data is currently available.

**SECTION: 12. ECOLOGICAL INFORMATION**

**Ecotoxicity:** This product will sit on the soil and water surface and is expected to be biodegradable  
**Mobility:** Low mobility into soil.  
**Persistence and degradable:** Expected to be biodegradable

**SECTION: 13. DISPOSAL CONSIDERATION**

Dispose in accordance with local, provincial and federal regulations. Check with disposal expert to ensure compliance.

**SECTION: 14. TRANSPORT INFORMATION**

**Customs rate code:** Not allocated.  
**UN No:** Not allocated.  
**Packing group:** Not allocated.  
**Label Name:** Roasted Coffee Oil  
**DOT Classification:** Not regulated.  
**Land ADR/RID Class:** Not regulated.  
**Maritime IMDG Class:** Not regulated.  
**Air ICAO-IT & IATA-DGR Class:** Not regulated.

**SECTION: 15. REGULATORY INFORMATION**

**Classification:** N/A  
**Hazard symbol:** N/A  
**Risk phrases:** N/A  
**Safety phrases:** N/A

**SECTION: 16. OTHER INFORMATION**

**Revision Date: September 24, 2013**



SAFFIRE BLUE INC.

## MATERIAL SAFETY DATA SHEET

### SECTION: 17. DISCLAIMER

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**CERTIFICATE OF ANALYSIS**

**Product:** Coffee Oil  
**Lot No.:** 11206-A11, B11, C11, D11, E11  
**Best before:** March, 2016  
Store in air tight container; in a cool dry area; away from direct sunlight.

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
<b>Appearance:</b>	Brown to dark brown liquid	Complies
<b>Odor:</b>	Characteristic roasted, pleasant	Complies
<b>Solubility:</b>	Insoluble in water.	Complies
<b>Density, g/ml:</b>	0.92 – 1.20 g/ml	0.9440
<b>Moisture, %</b>	< 2.0%	0.43%
<b>Iodine Value:</b>	84 - 90	Complies
<b>Acid Value, g/100</b>	< 5.0	2.48
<b>Peroxide Value, mEq/kg</b>	<10.0	Complies
<b>Palmitic Acid:</b>	30 – 36 %	Complies
<b>Linoleic Acid</b>	40 – 46 %	Complies

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