



MATERIAL SAFETY DATA SHEET

Basil Essential Oil – Certified Organic

Version: 03

Date Implemented: October 2010

Hazardous according to criteria of Worksafe Australia

1. COMPANY DETAILS

1.1 Company: Saffire Blue Inc.
1.2 Address: 1444 Bell Mill Road, Tillsonburg, ON N4G4G9 Canada
1.3 Telephone Number: Tel: 519-286-0295
1.4 Fax Number:
1.5 Email: info@saffireblue.ca
1.6 Web Site: www.saffireblue.ca

2. PRODUCT IDENTIFICATION AND COMPOSITION

2.1 Product Name: Basil Essential Oil – Certified Organic
2.2 Botanical Name: *Ocimum basilicum*
2.3 Product Code: OCBASI
2.4 AUSTRALIAN AICS Name: Oils, Basil
2.5 USA INCI Name: Ocimum Basilicum [basil] Oil
2.6 EU INCI Name: Ocimum Basilicum Oil

2.7 Ingredients:

Component Entity	CAS Number	EINECS Number	Proportions [%w/w]
Certified Organic Basil Essential Oil	8015-73-4	Not allocated	100% pure

2.8 Uses: Fragrance Ingredient; Skin Conditioning Agent - Miscellaneous.
Face and Neck preparations [Excluding shaving preparations]; Bath soaps and detergents; Lipsticks; Skin care preparations, miscellaneous; Personal cleanliness products, miscellaneous; Fragrance preparations, miscellaneous; Moisturising preparations; Body and Hand preparations [Excluding shaving preparations]; Eye lotions; Skin fresheners; Bath capsules; Bath oils, tablets, and salts; Bath preparations, miscellaneous; Bubble baths; Deodorants [Underarm]; Hair conditioners; Preshave lotions [All types]; Shampoos [Non-colouring]; Shaving cream [Aerosol, Brushless and Lather]; Tonics, dressings, and other Hair grooming aids.



MATERIAL SAFETY DATA SHEET

Basil Essential Oil – Certified Organic

Version: 03

Date Implemented: October 2010

3. HAZARD IDENTIFICATION**3.1 Physical - Chemical Hazards**

Explosion:	None identified.
Flammable:	Combustible liquid, produces oxides of carbon when burning.
Oxidizing:	Not applicable.
Toxic:	None identified.
Radioactive:	Not applicable.
Corrosive:	None identified.
Miscellaneous:	None identified.

3.2 Environmental Hazards: None identified.**3.3 Health Hazards**

Acute Effects:	Swallowed:	May be harmful.
	Eye:	May be irritating.
	Skin:	May be irritating.
	Inhalation:	May be harmful.

Chronic Effects: None identified.**Mutagenic Effects:** None identified.**Reproductive Effects:** None identified.**Carcinogenic Effects:** None identified.**Sensitisation:** None identified.**Infectious:** Not applicable.**4. FIRST AID**

4.1 Eye Contact:	Flush immediately with clean water for at least 15 minutes. Ensure irrigation under eyelids. Do not try to remove contact lenses unless trained. Contact a physician as necessary.
4.2 Skin Contact:	Remove any contaminated clothing and footwear. Clean before re-use. Wash affected areas thoroughly with soap and water for at least 15 minutes. Contact a physician as necessary.
4.3 Inhalation:	Remove from the exposure to fresh air. If breathing has stopped, administer artificial respiration and oxygen if available. Contact a physician as necessary.
4.4 Ingestion:	Do Not induce vomiting. Wash out mouth with water and give water slowly to dilute [as much as casualty can comfortably drink] provided person is conscious. Never give liquid to a person showing signs of being sleepy or with reduced awareness; i.e. becoming unconsciousness. Contact a physician or local poison control centre immediately. If vomiting occurs, lean patient forward or place on left side [head-down position, if possible] to maintain open airway and prevent aspiration.
4.5 Contact Point:	Poisons Information Centre Sydney [T] 131126
4.6 Advice to Doctor:	Treat symptomatically. Note the nature of this product.



MATERIAL SAFETY DATA SHEET

Basil Essential Oil – Certified Organic

Version: 03

Date Implemented: October 2010

5. FIRE FIGHTING MEASURES

- 5.1 Extinguishing Media:** Carbon Dioxide; Dry Chemical; Universal-Type Foam.
5.2 Unsuitable Extinguishing Media: Water Spray; Others not established.
5.3 Unusual Firefighting Hazards: None identified.
5.4 Special Procedures: Determine the need to evacuate or isolate the area according to your local emergency plan.
5.5 Protective Equipment: Self-contained breathing apparatus and protective clothing should be worn when fighting fires involving essential oils or chemicals.
5.6 Combustion Products: Oxides of carbon.
5.7 Contact Point: Dial 000 Emergency in case of fire [In Australia]
or Local Emergency Authority [Out of Australia].

6. ACCIDENTAL RELEASE MEASURES

- 6.1 Personal Precautions:** Use of self-contained breathing apparatus is recommended for any major chemical spill. Refer also to section 8.
6.2 Safety Precautions: Eliminate ALL ignition sources. Ventilate area. Determine the need to evacuate or isolate the area according to your local emergency plan;
6.3 Environmental Precautions: Keep away from drains, surface and ground water.
Report spills to appropriate Authorities if required.
6.4 Methods For Cleaning Up: Contain spill and recover free product. Absorb remainder on vermiculite or other suitable absorbent material. Wipe small spills with cloth. Clean with hot water and detergent. Refer also to Section 13. for disposal procedures.

7. SAFE HANDLING AND STORAGE INFORMATION

- 7.1 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.
7.2 Storage: Hazardous material. A Scheduled 5 Poison.
Containers should be kept closed in order to minimise contamination.
Store in a cool, dry, well ventilated place protected from light.
Keep from extreme heat and away from ALL sources of ignition.
Glass, laquer-lined steel/tin, aluminium and F/HDPE acceptable containers.
Make sure the material does not come into contact with substances listed as: "Materials to Avoid", Refer to Section 10.
7.3 Unsuitable Packaging Materials: None established.
7.4 Special Procedures: None established.



MATERIAL SAFETY DATA SHEET

Basil Essential Oil – Certified Organic

Version: 03

Date Implemented: October 2010

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

- 8.1 Respiratory Protection:** None generally required. Use NIOSH approved respirator in confined areas or if ventilation is inadequate.
- 8.2 Ventilation Protection:** Ensure adequate ventilation to keep exposure levels to a minimum. General exhaust is recommended.
- 8.3 Eye Protection:** Using goggles or face shield is recommended.
- 8.4 Protective Gloves:** Using chemical resistant gloves is recommended.
- 8.5 Protective Clothing:** Using chemical resistant clothing is recommended.
- 8.6 Protective Equipment:** An eyewash fountain and / or safety shower should be available in the work area.
- 8.7 Special Engineering Controls:** None established.
- 8.8 Other Personal Protection:** Consult the following Australian Standards for general advice regarding safety clothing and equipment: Respiratory Equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Industrial Clothing: **AS 2919**, Industrial Eye Protection: **AS 1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS 2210**.
- 8.9 Note:** These precautions are for room temperature handling. Use at elevated temperature or aerosol / spray applications may require additional precautions.

9. PHYSICAL AND CHEMICAL PROPERTIES

TEST	SPECIFICATION
9.1 Appearance:	Pale amber to greenish-yellow liquid
9.2 Odour:	Characteristic
Odour Threshold:	Not available.
9.3 Specific Gravity:	0.875 to 0.920 @ 25°C
9.4 Refractive Index:	1.4700 to 1.4895 @ 25°C
9.5 Optical Rotation:	Not available.
9.6 pH:	Not available.
9.7 Solubility:	Soluble in ethyl alcohol
9.8 Solubility in Water:	Insoluble
9.9 Flash Point:	> 70°C [Closed Cup]
9.10 Flammability Limits [as % v/v in Air]	
Lower Explosion Limit:	Not available.
Upper Explosion Limit:	Not available.
9.11 Autoignition Temperature:	Not available.
9.12 Melting Point:	Not available.
9.13 Boiling Point:	Not available.
9.14 Vapour Pressure:	Not available.
9.15 Vapour Density:	Not available.



MATERIAL SAFETY DATA SHEET

Basil Essential Oil – Certified Organic	Version: 03	Date Implemented: October 2010
---	-------------	--------------------------------

9.16 SCCNFP Allergens Annex III – Cosmetic Directive 2003/15/EC [7th amendment]. Detection Limit 0.001%.					
--	--	--	--	--	--

CONSTITUENT	IFRA	EFFA	CAS Number	EINECS Number	RANGE
Amyl Cinnamal:	YES	NO	122-40-7	204-541-5	Not Detected
Amyl Cinnamyl Alcohol:	YES	NO	101-85-9	202-982-8	Not Detected
Anisyl Alcohol:	NO	YES	1331-81-3	215-561-9	Not Detected
Benzyl Alcohol:	NO	YES	100-51-6	202-859-9	Not Detected
Benzyl Benzoate:	NO	YES	120-51-4	204-402-9	Not Detected
Benzyl Cinnamate:	NO	YES	103-41-3	203-109-3	Not Detected
Benzyl Salicylate:	NO	YES	118-58-1	204-262-9	Not Detected
Cinnamal:	YES	YES	104-55-2	203-213-9	Not Detected
Cinnamyl Alcohol:	YES	YES	104-54-1	203-212-3	Not Detected
Citral:	YES	YES	5392-40-5	226-394-6	< 1.0%
Citronellol:	NO	YES	106-22-9	203-375-0	Not Detected
Coumarin:	NO	YES	91-64-5	Not allocated	Not Detected
Eugenol:	YES	YES	97-53-0	202-589-1	< 1.0%
Farnesol:	YES	YES	4602-84-0	225-004-1	Not Detected
Geraniol:	NO	YES	106-24-1	203-377-1	Not Detected
Hexyl Cinnamal:	YES	NO	101-86-0	202-983-3	Not Detected
Citronellal Hydrate:	YES	NO	107-75-5	203-518-7	Not Detected
iso-Eugenol:	YES	YES	97-54-1	202-590-7	Not Detected
Butyl Phenyl Methyl Propional:	YES	NO	80-54-6	201-289-8	Not Detected
Limonene:	YES	YES	5989-27-5	227-813-5	< 1.0%
Linalool:	YES	YES	78-70-6	201-134-4	< 65.0%
Hydroxyisohexyl-3-Cyclohexene Carboxaldehyde	NO	NO	31906-04-4	250-863-4	Not Detected
Methyl Heptin Carbonate:	YES	NO	111-12-6	203-836-6	Not Detected
Methyl Ionone:	YES	NO	127-51-5	204-846-3	Not Detected
Evernia Prunastri Extract [Oakmoss]:	YES	NO	9000-50-4	289-861-3	Not Detected
			68917-10-2		
			90028-67-4		
Evernia Furfuracea Extract [Treemoss]:	YES	NO	68648-41-9	289-860-8	Not Detected
			68917-40-8		

9.17 Additional EFFA Listed Sensitisers & IFRA Notifiable Substances. Detection Limit 0.001%.					
--	--	--	--	--	--

CONSTITUENT	IFRA	EFFA	CAS Number	EINECS Number	RANGE
No Additional Sensitisers	NO	NO	Not allocated	Not allocated	Not Detected
No Additional Notifiable Substances	NO	NO	Not allocated	Not allocated	Not Detected



MATERIAL SAFETY DATA SHEET

Basil Essential Oil – Certified Organic

Version: 03

Date Implemented: October 2010

10. STABILITY AND REACTIVITY

10.1 Stability:	Chemically stable, non hazardous material. This material presents no significant reactivity hazard.
10.2 Conditions to Avoid:	None established.
10.3 Materials to Avoid:	Strong acids, strong alkalis and oxidizing agents.
10.4 Flammability:	Combustible liquid.
10.5 Hazardous Polymerization:	Will not occur.
10.6 Hazardous Combustion or Decomposition Products:	Carbon monoxide and unidentified organic compounds may be formed during combustion.

11. TOXICOLOGICAL INFORMATION

11.1 Acute Toxicity	
LD50 [Oral]:	1,400 mg/Kg [Rat].
LD50 [Dermal]:	> 5,000 mg/Kg [Rabbit].
LC50 [Inhalation]:	Not available.
11.2 Exposure Limits	There is a blanket recommendation of 10 mg/m ³ for inspirable dusts or mists when limits have not otherwise been established.
OSHA TWA:	None established.
OSHA STEL:	None established.
ACGIH TWA:	None established.
ACGIH STEL:	None established.
NOHSC TWA:	None established.
NOHSC STEL:	None established.
11.3 Short Term Toxicity:	Not available.
11.4 Long Term Toxicity:	Not available.
11.5 Human Exposure Tests:	Not available.

12. ECOLOGICAL INFORMATION

12.1 Eco-toxicity:	None established. Avoid pollution to soil, rivers and the ocean.
12.2 Mobility:	Low mobility in the soil.
12.3 Persistence & Degradability:	Low persistence level and readily biodegradable.
12.4 Bio-accumulative Potential:	None established.
12.5 Other Adverse Effects:	None established.

13. DISPOSAL CONSIDERATION

13.1 Waste Material:	Place material and / or absorbent into sealed containers and dispose of in accordance with current applicable laws and regulations. Refer to local Authority advice.
13.2 Contaminated Packaging:	Dispose of in accordance with current applicable laws and regulations. Refer to local Authority advice.
13.3 Note:	Empty containers can have residues, gases and mists. Use the proper Waste Disposal Methods & Procedures for Empties as well.



MATERIAL SAFETY DATA SHEET

Basil Essential Oil – Certified Organic Version: 03 Date Implemented: October 2010

14. TRANSPORT INFORMATION

14.1 Transportation: Not Dangerous Goods according to criteria of the Australian Dangerous Goods Code for Transport by Road and Rail. No special transport required.
 Not to be transported with Classes 1 [Explosives], 2.1 [Flammable Gases] [nb this applies only when in bulk], 2.3 [Poisonous Gases], 4.2 [Spontaneously Combustible Substances], 5.1 [Oxidising Agents], 5.2 [Organic Peroxides], 7 [Radioactive Substances], and Foodstuffs or Foodstuff empties.

14.2 Proper Shipping Name: Not Regulated.

14.3 UN Number: Not allocated.

14.4 Packaging Group: Not allocated.

14.5 DG Class: Not allocated.

14.6 Poison Schedule: Schedule 5 CAUTION.

14.7 Hazchem Code: Not allocated.

14.8 Maritime Transportation IMDG	14.9 Air Transportation ICAO-TI and IATA-DGR
--	---

IMDG Class:	Not allocated.	ICAO / IATA Class:	Not allocated.
Label:	Not allocated.	Label:	Not allocated.
UN Number:	Not allocated.	UN Number:	Not allocated.
Packaging Group:	Not allocated.	Packaging Group:	Not allocated.
EMS Number:	Not allocated.		
Marine Pollutant:	Not allocated.		
Proper Shipping Name:	Not Regulated.	Proper Shipping Name:	Not Regulated.



MATERIAL SAFETY DATA SHEET

Basil Essential Oil – Certified Organic

Version: 03

Date Implemented: October 2010

15. REGULATORY INFORMATION

15.1 Risk Symbols:	Xn	Harmful.
	Xi	Irritant.
15.2 Risk Phrases:	R22	Harmful if swallowed.
	R36	Irritating to eyes.
	R37	Irritating to respiratory system
	R38	Irritating to skin.
	R43	May cause sensitisation by skin contact.
15.3 Safety Phrases:	[S2]	[Keep out of the reach of children].
	S3	Keep in a cool place.
	S7	Keep container tightly closed.
	S13	Keep away from food, drink and animal feeding stuffs.
	S24	Avoid contact with skin.
	S25	Avoid contact with eyes.
	S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
	S28	After contact with skin, wash immediately with plenty of soap and water.
	S29	Do not empty into drains.
	S33	Take precautionary measures against static discharges.
	S36	Wear suitable protective clothing.
	S37	Wear suitable gloves.
	S39	Wear eye / face protection.
	S45	In case of accident or if you feel unwell, seek medical advice immediately [show the label where possible].
	S51	Use only in well-ventilated areas.
	S60	This material and its container must be disposed of as hazardous waste.
	S62	If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.
15.4 Warning Statements:		Not allocated.
15.5 Safety Directions:	1	Avoid contact with eyes.
	3	Wear eye protection when mixing or using.
	4	Avoid contact with skin.
	5	Wear protective gloves when mixing or using.
	6	Wash hands after use.
	11	No smoking.
	15	Store under cover in a dry, clean, cool, well ventilated place away from sunlight.
	23	Keep away from heat, sparks and naked flames.
	25	Avoid contact with food.
15.6 Standard Statements:	A	For advice, contact a Poisons Information Centre [Phone eg Australia 131126; New Zealand 0800 764 766] or a doctor at once.
	G3	If swallowed, do NOT induce vomiting.



SAFFIRE BLUE INC.

MATERIAL SAFETY DATA SHEET

Basil Essential Oil – Certified Organic

Version: 03

Date Implemented: October 2010

16. ADDITIONAL INFORMATION

16.1 DISCLAIMER

The information contained in this Material Safety Data Sheet is obtained from current and reliable sources. Saffire Blue Inc. provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This Material Safety Data Sheet summarises our best current knowledge of the health and safety hazard information of the product. This document is thus, intended only as a guide to the appropriate precautionary handling of the material by properly trained personnel using this product. Individuals receiving this information must exercise their independent judgment in determining its appropriateness for a particular purpose. As the ordinary or otherwise use(s) of this product is outside the control of Saffire Blue Inc., no representation or warranty, expressed or implied, is made as to the effect(s) of such use(s), (including damage or injury), or the results obtained. Saffire Blue Inc. expressly disclaims responsibility as to the ordinary or otherwise use(s). Furthermore, nothing contained herein should be considered as a recommendation by Saffire Blue Inc. as to the fitness for any use. The liability of Saffire Blue Inc. is limited to the value of the goods and does not include any consequential loss. Saffire Blue Inc. shall not be liable for any errors or delays in the content, or for any actions taken in reliance thereon. Saffire Blue Inc. shall not be responsible for any damages resulting from use of or reliance upon this information. The user of the product is solely responsible for compliance with all laws and regulations applying to the use of the products, including intellectual property rights of third parties.

16.2 MANUFACTURED PRODUCTS INGREDIENT DISCLAIMER

As the availability of ingredients and raw materials is not always certain whether due to changes in nature or otherwise, Saffire Blue Inc. reserves the right to substitute alternate ingredients/raw materials in the manufacture of its products and bases in order to maintain supply to its customers. Customers should always refer to the ingredients label as affixed to each product or to specification sheets which are current at the time of supply of the product.