



MATERIAL SAFETY DATA SHEET

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| Elder Flowers Rubbed – Dried Herb | Version: 01 | Date Implement: September 2009 |
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| 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION |
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- 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.

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| 9. PHYSICAL AND CHEMICAL PROPERTIES |
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| TEST | SPECIFICATION |
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| 9.1 Appearance: | Cut up flowers |
| 9.2 Odour: | Characteristic |
| Odour Threshold: | Not available. |
| 9.3 Bulk Density: | Not available. |
| 9.4 Refractive Index: | Not applicable. |
| 9.5 Optical Rotation: | Not applicable. |
| 9.6 pH: | Not available. |
| 9.7 Solubility: | Dispersible in vegetable oils |
| 9.8 Solubility in Water: | Dispersible |
| 9.9 Flash Point: | Not available. |
| 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. |



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| 9.16 SCCNFP Allergens Annex III – Cosmetic Directive 2003/15/EC [7 th amendment]. Detection Limit 0.01%. | | | | | |
|---|------|------|------------|---------------|--------------|
| 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 | Not Detected |
| 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 | Not Detected |
| 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 | Not Detected |
| Linalool: | YES | YES | 78-70-6 | 201-134-4 | Not Detected |
| 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 |
| | | | 90028-68-5 | 289-861-3 | |
| Evernia Prunastri Extract [Oakmoss]: | YES | NO | 9000-50-4 | | Not Detected |
| | | | 68917-10-2 | | |
| | | | 90028-67-4 | 289-860-8 | |
| Evernia Furfuracea Extract [Treemoss]: | YES | NO | 68648-41-9 | | Not Detected |
| | | | 68917-40-8 | | |

| 9.17 Additional EFFA Listed Sensitisers & IFRA Notifiable Substances. Detection Limit 0.01%. | | | | | |
|--|------|------|---------------|---------------|--------------|
| 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 |



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10. STABILITY AND REACTIVITY

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| 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 solid. |
| 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

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| 11.1 Acute Toxicity | |
| LD50 [Oral]: | Not tested on animals – So not available. |
| LD50 [Dermal]: | Not tested on animals – So not available. |
| LC50 [Inhalation]: | Not tested on animals – So 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

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| 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

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| 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. |



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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: Not Scheduled.
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.

15. REGULATORY INFORMATION

15.1 Risk Symbols: Not allocated.
15.2 Risk Phrases: Not allocated.
15.3 Safety Phrases: Not allocated.
15.4 Warning Statements: Not allocated.
15.5 Safety Directions: Not allocated.
15.6 Standard Statements: Not allocated.



SAFFIRE BLUE INC.

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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.