



MATERIAL SAFETY DATA SHEET

SECTION 1 - MATERIAL & SUPPLY COMPANY IDENTIFICATION

Product Name: Mould Spray
Botanical Name: clove bud, sweet orange CCG and water
Recommended Use: External Use Only
Supplier: Escentials of Australia P/L
ABN: 22765784206
Address: 5/49 Gateway Drive
Telephone: 61 7 5442 4559
Fax: 61 7 54490455
Email: escentialsaustralia@gmail.com

SECTION 2 - PRODUCT COMPOSITION

Component Entity	CAS Number	EINECS Number	Proportions [%w/w]
Water	7732-18-5		80-90%
Clove Bud Oil	8000-34-8		4 -6 %
Capryl Caprylyl Glucoside (CCG)	68515-73-1		2-3%
Sweet Orange Oil	8008-57-9; 8028-48-6		1-2%

SECTION 3 - HAZARD IDENTIFICATION

3.1 Physical - Chemical Hazards

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

3.2 Environmental Hazards: Toxic to aquatic animals – do not dispose of in water courses

3.3 Health Hazards

Acute Effects:
Swallowed: Maybe Harmful, May cause abdominal pain
Excessive ingestion can cause gastric distress.
Eye: Can be irritating.
Skin: Can be irritating or sensitising.
Inhalation: May be harmful IN LARGE DOSES
Chronic Effects: None identified.
Mutagenic Effects: None identified.
Reproductive Effects: None identified.
Carcinogenic Effects: None identified.
Sensitisation: None identified.
Infectious: None identified.

SECTION 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 immediately.
- 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 unconscious. 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. Poisons Information Centre Sydney [T] 131126
- 4.5 Contact Point:** Poisons Information Centre Sydney [T] 131126
- 4.6 Advice to Doctor:** Treat symptomatically. Note the nature of this product.

SECTION 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].

SECTION 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.

SECTION 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:** **Can be a hazardous material.** 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. 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:** **Long term storage is best in glass. Oil may cause debridging and sedimentation of the epoxy lining in Aluminium Bottles.** Short term in HDPE is acceptable

SECTION 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. Local exhaust meeting ACGIH criteria is required. 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.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

TEST

- 9.1 Appearance:**
9.2 Odour:
Odour Threshold:
9.3 Specific Gravity:
9.4 Refractive Index:
9.5 Optical Rotation:
9.6 pH:
9.7 Solubility:
9.8 Solubility in Water:
9.9 Flash Point:
9.10 Flammability Limits [as % v/v in Air]
9.11 Autoignition Temperature:
9.12 Melting Point:
9.13 Boiling Point:
9.14 Vapour Pressure:
9.15 Vapour Density:

SPECIFICATION

dark yellow/brown mobile liquid
Spicy (eugenolic) and slight sweet (from orange)
 Medium
0.99 -1.02
1.5280 - 1.5640
NN
 Not available.
 Soluble in vegetable oils, alcohol
 Insoluble.
 >100 deg C deg C
NN
 Not available.
 Not available [°C @ 760 mm].
 [89°C @ 760 mm].
 Not available [mm Hg].
 Not available.

9.16 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	None
No Additional Notifiable Substances	NO	NO	Not allocated	Not allocated	None

SECTION 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:** Flammable 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.

SECTION 11 - TOXICOLOGICAL INFORMATION

- 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/m3 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

SECTION 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.

SECTION 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.

SECTION 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.

14.2 UN Number: Not allocated.

14.3 Packaging Group: Not allocated.

14.4 DG Class: Not allocated.

14.5 Poison Schedule: Not Scheduled.

14.6 Hazchem Code: Not allocated.

SECTION 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

SECTION 16 - ADDITIONAL INFORMATION

16.1 Revision Date: May 2022
16.2 Disclaimer

This Material Safety Data Sheet was prepared IAW guidelines in The National Code of Practice for the Preparation of Material Safety Data Sheets [NOHSC:2011 (2003)]. The information contained in this Material Safety Data Sheet is obtained from our best efforts sourcing from current and reliable sources, including our suppliers. Escentials of Australia 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, but does not claim to be all inclusive. This document is 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. 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. As the ordinary or otherwise use(s) of this product is outside the control of Escentials of Australia, 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. Escentials of Australia expressly disclaims responsibility as to the ordinary or otherwise use(s). Furthermore, nothing contained herein should be considered as a recommendation by Escentials of Australia as to the fitness for any use. The liability of Escentials of Australia is limited to the value of the goods and does not include any consequential loss. Escentials of Australia shall not be liable for any errors in the content, or for any actions taken in reliance thereon. Escentials of Australia shall not be responsible for any damages resulting from use of or reliance upon this information.