







Artisan
AROMATICS

Safety Data Sheet

01. IDENTIFICATION OF THE SUBSTANCE/PREPARATION & THE COMPANY/UNDERTAKING

Product Name	Elemi oil				
Biological Definition	Essential oil obtained by distillation exclusively from Elemi gum (<i>Canarium commune</i> syn. <i>Canarium luzonicum</i> , Bursuraceae).				
INCI Name	Canarium commune gum oil				
Synonyms & Trade Names	---				
Supplier	Artisan Aromatics 1708 Lena St, #103, – Santa Fe, NM 87505				
Reach Registration Number <small>(According to EU Reg 1907/2006)</small>	N/A				
FEMA No.	2407	FDA No.	§172.510	CoE No.	104n
CAS-No	8023-89-0	EC No.	232-557-2	EINECS No.	232-557-2

02. HAZARDS IDENTIFICATION

Classification (1999/45)	Xn+N; R10-38-43-50/53-65, S24-37-61-62			
Classification (EC 1272/2008)	UN-GHS: FL 3, ATO 5(3400), ATD 5(2500), AH 1, SCI 2, SS 1, EH A1,C1 EU-CLP: FL 3, AH 1, SCI 2, SS 1, EH A1,C1			
Label in accordance with (EC) No 1272/2008				
	GHS02	GHS07	GHS08	GHS09
Signal Word	Danger			
Contains	Limonene, phellandrenes, cineols, methyl eugenol			
Hazard Statements	H226 Flammable liquid and vapour H304 May be fatal if swallowed and enters airways H315 Causes skin irritation H317 May cause an allergic skin reaction H410 Very toxic to aquatic life with long-lasting effects			
Precautionary Statements	P262 Do not get in eyes, on skin or on clothing P280 Wear protective gloves/protective clothing/eye protection/face protection. P301/310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P331 Do NOT induce vomiting P273 Avoid release to the environment			
Supplementary Precautionary Statements	P391 Collect spillage			
PBT or vPvB according to Annex XIII	No			
Adverse physio-chemical properties	Flammable liquid Hazard Category 3 under EC 1272/2008 guidelines. Combustible but should not self-ignite.			
Adverse effects on human health	May cause sensitisation by skin contact			

03. COMPOSITION/INFORMATION ON INGREDIENTS

65% Limonene UN-GHS: SCI 2; SS 1; EH A1,C1



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15% Phellandrenes UN-GHS: ATO 4 (1870)

2.5% 1,8-Cineol UN-GHS: ATO 5(2480); SCI 3

0.2% to 0.44% Methyl eugenol UN-GHS: ATO 4(810), CAR 2, MUT 2, EH A2

04. FIRST AID MEASURES

General Information	See categories below
Inhalation	Remove from exposure area to fresh air. Contact a doctor if necessary.
Ingestion	Wash mouth out with water and obtain medical advice immediately.
Skin Contact	Remove contaminated clothing. Wash thoroughly with soap and water. Seek medical advice if irritation persists or there is any sign of tissue damage.
Eye Contact	Flush with plenty of water and seek medical advice if necessary.

05. FIRE-FIGHTING MEASURES

Extinguishing Media	Use CO ₂ , Dry Powder or Foam type extinguishers, spraying extinguishing media to base of flames. Do not use direct water jet on burning material.
Special Fire Fighting Procedures	Wear protective clothing. Avoid inhalation of vapours.
Specific Hazards	None
Protective Measures in Fire	Closed containers may build up pressure when exposed to heat and should be cooled with water spray


06. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Maintain good occupational and personal hygiene. Avoid contact with skin and eyes
Environmental Precautions	Do not discharge directly into drains or soil. Keep away from surface and ground water
Spill Clean Up Methods	Soak up spillage with sand or other inert material. Transfer soaked material to suitable waste container and dispose according to prevailing regulations.

07. HANDLING AND STORAGE

Usage Precautions	Apply good manufacturing practice & industrial hygiene practices, ensuring proper workplace ventilation. Observe good personal hygiene, and do not eat, drink or smoke whilst handling.
Storage Precautions	Store in tightly closed original container, in a cool, dry & ventilated area away from heat sources & protected from light. Keep air contact to a minimum.

08. EXPOSURE CONTROLS/PERSONAL PROTECTION

Protective Equipment	 
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	Goggles Gloves
Engineering Measures	Ensure good ventilation of working area.
Respiratory Equipment	As required. Avoid breathing product vapour.
Hand Protection	Avoid all skin contact. Use chemically resistant gloves if required.
Eye Protection	Use safety glasses.
Other Protection	As required
Hygiene Measures	Wash hands with soap & water after handling

09. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Mobile liquid
Colour	Colourless to yellow
Odour	Balsamic, spicy
Relative Density	0.850 to 0.910 @ 20°C
Flash Point (°C)	54 c/c
Refractive Index	1.472 to 1.490 @ 20°C
Melting Point (°C)	Not given
Boiling Point (°C)	Not given
Vapour Pressure	Not given
Solubility in Water @20°C	Insoluble
Auto-ignition temperature (°C)	Not determined

10. STABILITY AND REACTIVITY

Stability	It presents no significant reactivity hazards, by itself or in contact with water.
Conditions to Avoid	Avoid storage temperatures above 25°C
Materials to Avoid	Avoid contact with strong acids, alkalis and oxidising agents.
Hazardous Decomposition Products	Liable to cause smoke & acrid fumes during combustion: carbon monoxide, carbon dioxide & other non-identified organic compounds may be formed.

11. TOXOLOGICAL INFORMATION

Acute Toxicity	Acute oral toxicity LD50 orl-rat: 3.37g/kg (Opdyke 1976 p755) Dermal toxicity LD50 skn-rbt: ~ 5g/kg (Opdyke 1976 p755)
Skin corrosion / irritation	Skin Irritation Hazard Category 2 under EC 1272/2008 guidelines
Serious eye damage /	Not categorised under EC 1272/2008 guidelines



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irritation	
Respiratory or skin sensitisation	Skin sensitizer Hazard Category 1 under EC 1272/2008 guidelines.
Germ Cell Mutagenicity	See remarks below for carcinogenicity
Carcinogenicity	Elemi oil contains 0.2% to 0.44% methyl eugenol. Methyl eugenol cannot be added to cosmetics directly but is contained in a number of essential oils including elemi oil. Limits for methyl eugenol in cosmetic products (Cosmetics Directive 2002) are: (a) 0.01% in fine fragrance (b) 0.004% in eau de toilette (c) 0.002% in fragrance cream (d) 0.001% in rinse-off products (e) 0.0002% in other leave-on products and oral hygiene products.
Reproductive toxicity	No adverse data on reproductive toxicity found.
STOT-single exposure	No data found
STOT-repeated exposure	No data found
Aspiration hazard	Aspiration Hazard Category 1 according to EC 1272/2008 guidelines
Photo-toxicity	Not photo-toxic
Other Information	None

12. ECOLOGICAL INFORMATION

Ecotoxicity	Hazardous to the aquatic environment — long-term hazard, Category Chronic 1.
Mobility	No data found
Persistence & Biodegradability	No data found
Bioaccumulation Potential	No data found
PBT Assessment Results	No data found
Precautions	Do not discharge into the environment especially into waterways, sewers and the sea.

13. DISPOSAL CONSIDERATIONS

Disposal Methods	Do not release into the environment. Collect waste into suitable containers and contact hazardous chemical disposal company.
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14. TRANSPORT INFORMATION

Warning Icon			
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Proper Shipping Name	EXTRACTS, AROMATIC, LIQUID
UN No. Road	UN 1169
ADR Class	Class 3
Hazard No (ADR)	30
Hazchem Code	•3YE
UN No. SEA	UN 1169
IMDG Class	Class 3
IMDG Pack Gr.	Pk Gp III
EMS	F-E, S-D
UN No. AIR	UN 1169
Air Class	Class 3
Air Pack Gr.	Pk Gp III

15. REGULATORY INFORMATION

EU Directives	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 th Dec 2006 Concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 199/45/EC and repealing Council Regulation Council Regulation (EEC) No793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, and 93/105/EEC and 2000/21/EC including amendments.
Statutory Instruments	The Chemicals (Hazard Information and Packaging for Supply Regulations 2009 (S.I. 2009 No 716).
Approved Code of Practice	Classification and Labelling of Substances and Preparations Dangerous for Supply. Safety Data Sheets for Substances and Preparations
Guidance Notes	Workplace Exposure Limits EH40. CHIP for everyone HSG 108.

16. OTHER INFORMATION

Revision Date	03/2015
Rev No/Repl, SDS Generated	1
Risk Phrases in Full	R10 Flammable R38 Irritating to skin R43 May cause sensitisation by skin contact R50/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R65 Harmful, may cause lung damage if swallowed



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Hazard Statements in Full	H226 Flammable liquid and vapour H304 May be fatal if swallowed and enters airways H315 Causes skin irritation H317 May cause an allergic skin reaction H410 Very toxic to aquatic life with long-lasting effects.
Other Information	Complies with REACH guidance for SDS as circulated by ECHA 2011.

DISCLAIMER: This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.