

# MATERIAL SAFETY DATA SHEET

## 1. IDENTIFICATION OF SUBSTANCE/PREPARATION & COMPANY.

PRODUCT NAME: **Galbanum Oil**

PRODUCT CODE: **30979**

SUPPLIER: Saffire Blue Inc. 1444 Bell Mill Road, Tillsonburg, ON N4G4G9 Canada

## 2. COMPOSITION / INFORMATION ON INGREDIENTS.

DEFINITION/BOTANICAL ORIGIN: Galbanum oil is the essential oil obtained from the resin of *ferula galbaniflua*.

H-No: 3301.29

CAS No: 8023-91-4

Status: natural

CoE No: 197n

FEMA: 2501

Additives: none

FDA: 172.510

IFRA: see section 16

Application: Flavours, fragrances

EC No: 232-532-6

EINECS-CAS No: 9000-24-2

INCI name: Ferula galbaniflua (Galbanum) Resin Oil

## 3. HAZARDS IDENTIFICATION:

Xn Harmful; N Dangerous for the environment

## 4. FIRST-AID MEASURES:

INHALATION:	Remove from exposure site to fresh air. Keep at rest. Obtain medical attention.
EYE CONTACT:	Rinse immediately with plenty of water for at least 15 mins. Contact a doctor if symptoms persist.
SKIN CONTACT:	Remove contaminated clothes. Wash thoroughly with soap & water, flush with plenty of water. If irritation persists, seek medical advice.
INGESTION:	Dilute internally with water, do not induce vomiting. Seek medical advice <b>immediately</b> .
OTHER:	When assessing action take Risk & Safety Phrases into account (Section 15)

## 5. FIRE FIGHTING MEASURES.

EXTINGUISHING MEDIA RECOMMENDED:	Use CO <sub>2</sub> , Dry Powder or Foam type Extinguishers, spraying extinguishing media to base of flames. Do not use direct water jet on burning material.
SPECIAL MEASURES:	Avoid vapour inhalation. Keep away from sources of ignition. Do not smoke. Wear positive pressure self-contained breathing apparatus & protective clothing.
EXTINGUISHING PROCEDURES:	Closed containers may build up pressure when exposed to heat and should be cooled with water spray.

## 6. ACCIDENTAL RELEASE MEASURES.

PERSONAL PRECAUTIONS:	Avoid inhalation & direct contact with skin & eyes. Use individual protective equipment (safety glasses, waterproof-boots, suitable protective clothing) in case of major spillages.
ENVIRONMENT PRECAUTIONS:	Keep away from drains, soils, surface & groundwaters.
CLEANING UP METHODS FOR SPILLAGES:	Remove all potential ignition sources. Contain spilled material. Cover with an inert or non-combustible inorganic absorbent material, sweep up and remove to an approved disposal container. Observe state,

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federal & local disposal regulations.

## **7. HANDLING & STORAGE.**

PRECAUTIONS IN HANDLING:	Apply good manufacturing practice & industrial hygiene practices, ensuring proper ventilation. Observe good personal hygiene, and do not eat, drink or smoke whilst handling.
STORAGE CONDITIONS:	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.
FIRE PROTECTION:	Keep away from ignition sources & naked flames. Take precautions to avoid static discharges in working area.

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION.**

RESPIRATORY PROTECTION:	Avoid breathing product vapour. Apply local ventilation where possible.
VENTILATION:	Ensure good ventilation of working area.
HAND PROTECTION:	Avoid all skin contact. Use chemically resistant gloves if required.
EYE PROTECTION:	Use safety glasses.
WORK/HYGIENE PRACTICES:	Wash hands with soap & water after handling.

## **9. PHYSICAL & CHEMICAL PROPERTIES.**

COLOUR:	Water-white to golden-brown
APPEARANCE:	Liquid
ODOUR:	Green-leafy with woody, balsamic back notes
FLASH POINT °C:	34
SPECIFIC GRAVITY @ 20°C:	0.880 - 0.900
REFRACTIVE INDEX @ 20°C:	1.473 - 1.503

## **10. STABILITY & REACTIVITY.**

REACTIVITY:	It presents no significant reactivity hazards, by itself or in contact with water. Avoid contact with strong acids, alkali or oxidising agents.
DECOMPOSITION:	Liable to cause smoke & acrid fumes during combustion: carbon monoxide, carbon dioxide & other non-identified organic compounds may be formed.

## **11. TOXICOLOGICAL INFORMATION.**

Literature Values:  
LD<sub>50</sub> oral rat: >5000mg/kg  
Dermal rabbit: >5000mg/kg

## **12. ECOLOGICAL INFORMATION.**

Very toxic to aquatic organisms; may cause long-term adverse effects in the aquatic environment

BIODEGRADABILITY:	Data not available
PRECAUTIONS:	Prevent surface contamination of soil, ground & surface water.

## **13. DISPOSAL CONSIDERATIONS.**

Avoid disposing to drainage systems and into the environment. Seek expert advice.

## **14. TRANSPORT REGULATIONS.**

UN 1169:	applies
Road (ADR/RID):	Class 3 Packing Group III
AIR (IATA):	Class 3 Packing Group III
SEA (IMDG):	Class 3 Packing Group III

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CHIP:

See section 15

**15. REGULATORY INFORMATION.** According to Directive 88/379/EEC

HAZARDS: Harmful; Dangerous for the environment  
SYMBOLS: Xn; N  
RISK PHRASES: R10 Flammable liquid  
R43 May cause sensitisation by skin contact  
R50/53 Very toxic to aquatic organisms; may cause long-term adverse effects in the aquatic environment  
R65 May cause lung damage if swallowed  
SAFETY PHRASES: S24 Avoid contact with skin  
S37 Wear suitable gloves  
S61 Avoid release to the environment. Refer to special instructions / safety data sheets  
S62 If swallowed, do not induce vomiting, seek medical advice immediately and show the container or label

**16. OTHER INFORMATION.**

Dosage: up to 0.1% (Data references: Food Cosmetics Toxicology 16,765 (1978))

Cosmetics Directive 7<sup>th</sup> Amendment: Restrictions may apply. A source of Limonene, listed as a sensitiser. Check maximum usage levels for skin care products.

**PACKAGING:**

Type	Suitability
Glass	Yes
Lacquer lined steel/tin	Yes
Aluminium	Yes
HPPE	No
F/HDPE	Yes
Other plastic	No

**SHELF LIFE**

When stored within advised conditions, re-test after 12 months then at 3 monthly intervals up to a maximum life of 36 months.

**Q.C. REQUIREMENTS.**

In-line with general product specification. Always satisfy suitability for specific application.

The data provided in this material safety data sheet is meant to represent typical data/analysis for this product and is correct to the best of our knowledge. The data was obtained from current and reliable sources, but is supplied without warranty, expressed or implied, regarding its' correctness or accuracy. It is the user's responsibility to determine safe conditions for the use of this product, and to assume liability for loss, injury, damage or expense arising from improper use of this product. The information provided does not constitute a contract to supply to any specification, or for any given application, and buyers should seek to verify their requirements and product use.

**DECLARATION OF ALLERGENS**

<b>PRODUCT</b>	<b>Galbanum Oil 30979</b>
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<b>MATERIAL</b>	<b>CAS NUMBER</b>	<b>TOTAL ALLERGEN INCLUSION LEVEL (%)</b>
AMYL CINNAMAL	122-40-7	-
BENZYL ALCOHOL	100-51-6	-
CINNAMYL ALCOHOL	104-54-1	-
CITRAL	5392-40-5	-
EUGENOL	97-53-0	-
HYDROXYCITRONELLAL	107-75-5	-
ISO EUGENOL	97-54-1	-
AMYL CINNAMYL ALCOHOL	101-85-9	-
BENZYL SALICYLATE	118-58-1	-
CINNAMAL	104-55-2	-
COUMARIN	91-64-5	-
GERANIOL	106-24-1	-
HYDROXYISOHEXYL 3-CYCLOHEXENE CARBOXALDEHYDE	31906-04-4	-
ANISE ALCOHOL	105-13-5	-
BENZYL CINNAMATE	103-41-3	-
FARNESOL	4602-84-0	-
BUTYLPHENYL METHYLPROPIONAL	80-54-6	-
LINALOOL	78-70-6	-
BENZYL BENZOATE	120-51-4	-
CITRONELLOL	106-22-9	-
<b>HEXYL CINNAMAL</b>	101-86-0	-
LIMONENE	5989-27-5	3.40
METHYL 2-OCTYNOATE	111-12-6	-
ALPHA-ISOMETHYL IONONE	127-51-5	-
EVERNIA PRUNASTRI EXTRACT	90028-68-5	-
EVERNIA FURFURACEA EXTRACT	90028-67-4	-