





## **SAFETY DATA SHEET**

### **1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION**

Product Name		Frankincense serrata essential oil			
Biological Definition		Frankincense is tapped from the scraggy but hardy trees by slashing the bark, which is called striping, and allowing the exuded resin to bleed out and harden, the oil is the obtained through the steam distillation of the resin.			
Inci No		<i>Boswellia serrata</i>			
Synonyms & Trade names		Frankincense Resin, frankincense oil			
Normal use		perfumery, aromatherapy and skin care			
Hs Tariff Code		3301.29.90			
<b>FEMA No.</b>	2816	<b>FDA No.</b>	19555298040	<b>Class No.</b>	3
<b>CAS-No.</b>	97952-72-6	<b>UN No.</b> <b>SHIPPING NAME:</b>	1169 EXTRACTS, AROMATIC LIQUIDS	<b>EINEC No.</b>	308-366-6

### **02. HAZARDS IDENTIFICATION**

Classification (1999/45)	Xi+F, R10-R36-S02-S16-S26
Classification (EC 1272/2008)	UN GHS: FL3, H303, H315, H317 EC CLP: FL3, H303, H315, H317
Labels in accordance with (EC) No 1272/2008	    <p>GHS02      GHS07      GHS08      GHS09</p>
Signal Word	Extracts, aromatic liquids
Contains	Linalool, Limonene and Alpha pinene
Hazard Statements	H304 May be fatal if swallowed and enters H315 Causes skin irritation H317 May cause an allergic skin reaction
	P301/310 IF SWALLOWED: Immediately call poison centre or doctor/

Precautionary Statements	physician P331 Do not induce vomiting P262 Do not get in eye, on skin or clothing P210 Keep away from heat/sparks/open flames/hot surfaces. – No smoking. P281 Use personal protective equipment as required. P273 Avoid release to the environment.
Adverse physio-chemical properties	Combustible but not self-ignite
Adverse effects on human health	Can cause skin and eye irritation

### **03. COMPOSITION/INFORMATION ON INGREDIENTS**

Name of Constituent:	Cas no.	Percentage
BETA PINENE	5392-40-5	8.6 - 20.7
LIMONENE	5989-27-5	6.4 -19.6

### **04. FIRST AID MEASURES**

General Information	See categories below
Inhaling	If headache, irritation, nausea, or drowsiness occurs, Move into an open-air space
Ingestion	If patient is conscious and can swallow, administer water and call a physician or poison centre immediately. Do not induce vomiting
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	Remove contact lenses, Flush with plenty amount of cool water and seek medical advice if necessary.

### **05. FIRE FIGHTING MEASURES**

Extinguishing Media	Use CO <sub>2</sub> Dry powder or foam type extinguishers. Do not use direct water jet on burning material
Special Fire Fighting Procedures	Wear protective clothing, avoid inhaling of vapours
Specific Hazards	None
Protective Measures in Fire	Closed containers may build up pressure when exposed to heat and they should be cooled

### **06. ACCIDENTAL RELEASE MEASURES**

Personal Precautions	Maintain good occupational and personal hygiene. Avoid contact with skin
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 while handling.
Storage Precautions	Store in tight closed original container, in cool, dry & ventilated area away from heat sources & protected from light. Keep air contact to minimum.

## 08. EXPOSURE CONTROLS/PERSONAL PROTECTION

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

## 09. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid
Colour	Clear yellow to golden brown
Odour	Balsamic Aroma
Flash point	43°C
Specific gravity	0.869 -0.896@20°C
Refractive index	1.465 -1.482@20°C
Melting point, Ph, vapour pressure	Data not found
Solubility in water	Not soluble

## 10. STABILITY AND REACTIVITY

Stability	It presents no significant reactivity hazards, by itself or in contact with water
Condition to avoid	Avoid storage at elevated temperature, open flames, or other sources of ignition.
Materials to avoid	Avoid contact with strong acids, and oxidising agents
Hazardous Decomposition products	Liable to cause smoke & acrid fumes combustion: carbon monoxide, carbon dioxide
Stability	Stable

## 11. TOXOLOGICAL INFORMATION

Acute Toxicity	Acute oral toxicity Acute dermal toxicity: slightly irritating undiluted
Skin irritation & Aspiration hazard	Category 2 under EC 1272/2008
Serious eye damage/irritation	Potential exists. Wear goggles.
Respiratory or skin sensitisation	Skin sensitizer Category 1 under EC 1272/2006
Photo-toxicity	Not photo toxic pp 705-706


## 12. ECOLOGICAL INFORMATION


Ecotoxicity	Hazardous to the aquatic environment Chronic hazard category 2 according to EC 1272/2008
Mobility	Not determined
Persistence and degradability	Not determined
Bioaccumulation potential	Not determined
PBT Assessment	Not determined
Precautions	Avoid discharge into the environment especially into land, waterways and sea

## 13. DISPOSAL CONSIDERATIONS

Disposal Methods	Avoid discharge into the environment especially onto land, waterways and sea
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## 14. TRANSPORT INFORMATION

Warning Icon	
Proper Shipping Name	Extracts, aromatic, liquid N.O.S.(Contains beta pinene)
UN No. Road transport (ADR)	UN 1169
Proper shipping name	Extracts, aromatic, liquid
Hazardous class	Class 3
Packaging group	III
UN No. Sea transport (IMDG)	UN 1169
Proper shipping name	Extracts, aromatic, liquid
Hazardous class	Class 3
Packaging group	III
UN No. Air transport (IATA)	UN 1169
Proper shipping name	Extracts, aromatic, liquid
Hazardous class	Class 3
Packaging group	III
EMS	F-E, S-D

Hazchem code	3YE
Environmental Hazards	
Dangerous for the environment	Yes
Marine pollutant	Yes (Contains beta pinene, alpha pinene and limonene)
Hazard pictogram	

## 15. REGULATORY INFORMATION

Statutory Instruments	The chemicals (Hazard information and packaging for Supply Regulation 2009 [SI 2009 NO 716])
Approved codes of practice	Classification and labelling of substances and preparations dangerous for supply. Safety data sheet for substance and preparations

## 16. OTHER INFORMATION

Revision Date	06/2022
Risk phrases	H304May be fatal if swallowed and enters airways. H317May cause an allergic skin reaction. H410Very toxic to aquatic life with long lasting effects
Other	Complies with REACH guidance for SDS