

**MATERIAL SAFETY DATA SHEET FOR**  
**Frankincense Oil (Olibanum Oil)**

*Boswellia Carterii, Product Reference T111*  
*EINECS CAS 8050-07-5 USA CAS 8016-36-2*

---

**1. CHEMICAL COMPOSITION: INCLUDING HAZARDOUS COMPONENTS:**

The essential oil is steam distilled from the botanical resin *Boswellia Carterii* and the main constituents are  $\alpha$ -Pinene,  $\beta$ -Pinene, Limonenes and Olibanol.  
The oil is classified as hazardous.

**2. HAZARDOUS IDENTIFICATION:**

This product is required to be labelled according to the regulation 96/54/EC governing hazardous substances. Hydrocarbon content is 90%.

**3. FIRST AID PROCEDURES:**

Skin Contact:	Rinse with running water. Remove contaminated clothing.
Eye Contact:	Rinse with sterile water or an approved eyewash solution for 15 minutes.
Inhalation:	Move to fresh air and rest.
Ingestion:	If swallowed do not induce vomiting, seek medical advice immediately, show label or container.

**4. FIRE FIGHTING PROCEDURES:**

Suitable Extinguishers:	Normal extinguishers can be used (CO <sub>2</sub> , powders, foams, halogens).
Unsuitable Extinguishers:	Direct water jet.
Fire Hazard:	Products of combustion – Oxides of Carbon.

**5. ACCIDENTAL RELEASE PROCEDURES:**

Safety Clothing:	Wear clothing suitable for an emergency.
Environmental Precautions:	Contain the leak with earth or sand. Prevent from entering drains and sewers; if this cannot be done advise the local authority.
Clean Up Procedure:	Absorb spillage onto sand or earth. Transfer to a suitable container for disposal.

**6. HANDLING & STORAGE PROCEDURES:**

Handling:	Avoid spillage and eye contact (gloves and goggles recommended).
Ventilation:	Good general ventilation required.
Storage Conditions:	Store at ambient temperature in a dark container. Store away from oxidizing substances e.g. Bleach. Store in full containers; Stainless Steel for bulk or glass for small quantities.

**7. EXPOSURE CONTROL/PERSONAL PROTECTION:**

Respiratory:	Use only in well ventilated areas. Use protection in poor ventilation.
Hand Protection:	Wear gloves.
Eye Protection:	Wear goggles
Skin Protection:	Wear suitable protection clothing

## 8. PHYSICAL & CHEMICAL PROPERTIES:

Appearance:		Mobile Liquid.
Odour:		Herbaceous Pine.
Colour:		Pale Yellow - Green.
Solubility:	a. Solvent –	Soluble
	b. Alcohol –	Soluble
	c. Water –	Insoluble
Boiling Point:		Not reported.
Flash Point:		39°C
Specific Gravity:		20°C 0.862 – 0.863.
Vapour Pressure mm:		Not reported.

## 9. REACTIVITY & STABILITY:

The oil is stable under normal storage conditions. After opening, the oil is prone to air oxidation and may start to deteriorate after six months.

Synergistic Reaction:	Not reported.
Materials to avoid:	Oxidizing agents.
Polymerisation Hazard:	None.

## 10. TOXICOLOGICAL INFORMATION:

### *Hazardous Effects*

Inhalation:	Hazardous.
Skin Contact:	Concentrated oil may cause skin degreasing with some irritation.
Eye Contact:	Irritant.
Ingestion:	Irritant.

## 11. ECOLOGICAL DATA

This is a degradable product, however, do not release directly into the environment.

## 12. DISPOSAL METHODS:

Recover the product where possible or bury in authorised landfill sites according to local authority regulations.

## 13. TRANSPORT REGULATIONS:

Road:	Xn. R10. R65.
Rail:	Xn. R10. R65.
Air:	Xn. R10. R65.

## 14. REGULATORY INFORMATION:

Labels for Conveyance:	Xn Hazardous. R10 Flammable.
Labels for Supply:	Xn. R10. R65. S62

## 15. FURTHER INFORMATION:

**Whilst Absolute Aromas Ltd give the above advice in good faith, it is not intended to be a substitute for customers own testing to ascertain good safety procedures.**

**These regulations were designed for handling bulk products and to readily identify Toxic & Safety Data.**

**Safety information is under continuous review.**