



BULKNATURALOILS.COM  
**JEDWARDS**  
INTERNATIONAL, INC.

## SAFETY DATA SHEET

### 01. IDENTIFICATION

NAME OF PREPARATION OR SUBSTANCE:

Frankincense Oil - Carterii

INCI NAME:

*Boswellia carterii*

CAS NO.:

8016-36-2

SUPPLIER NAME:

Jedwards International, Inc.

SUPPLIER ADDRESS:

141 Campanelli Drive  
Braintree, MA 02184 USA

TELEPHONE NUMBER:

(617) 472-9300

RECOMMENDED USE:

For manufacturing and repackaging use only

EMERGENCY TELEPHONE NUMBER:

Chemtrec 1-800-424-9300 (24 hrs)

### 02. HAZARD IDENTIFICATION

#### Classification in accordance with Regulation (EC) No 1272/2008

Skin corrosion/irritation, Hazard Category 2; Serious eye damage/irritation, Hazard Category 2A; Skin sensitization, Hazard Category 1B; Aspiration Toxicity, Hazard Category 1; Flammable liquids, Hazard Category 3

#### GHS Label elements, including precautionary statements



SIGNAL WORD:

Danger

HAZARD STATEMENTS:

H315: Causes skin irritation  
H319: Causes serious eye irritation  
H317: May cause an allergic skin reaction  
H304: May be fatal if swallowed and enters airways  
H226: Flammable liquid and vapor  
P264: Wash face, hands and any exposed skin thoroughly after handling  
P280: Wear protective gloves/protective clothing/eye protection/face protection  
P261: Avoid breathing dust/fumes/gas/mist/vapors/spray  
P272: Contaminated work clothing should not be allowed out of the workplace  
P210: Keep away from heat/sparks/open flames/hot surfaces. No smoking  
P233: Keep container tightly closed  
P240: Ground/bond container and receiving equipment  
P241: Use explosion-proof electrical/ventilating/lighting/equipment  
P242: Use only non-sparking tools  
P243: Take precautionary measures against static discharge

PRECAUTIONARY STATEMENTS:



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P305+P351+338: IF IN EYES: Rinse cautiously with water for several minutes. Removed contact lenses is present and easy to do – continue rinsing.

P337+313: If eye irritation persists get medical advice/attention

P303+361+353+363: IF ON SKIN: Immediately remove/take off all contaminated clothing. Rinse skin with water/shower. Wash all contaminated clothing before reuse.

P301+310+331: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do not induce vomiting.

P370+380: In case of fire: Use CO<sub>2</sub>, dry chemical or foam to extinguish

P501: Dispose of contents/container to an approved waste disposal plant

None Known

Very toxic to aquatic life with long last effects

OTHER HAZARDS:

OTHER INFORMATION:

### 03. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS-No.	Weight %	GHS Classification
Pinene, alpha	80-56-8	50%-60%	H303 Acute Tox. Oral 5 H317 Skin Sens. 1B H315 Skin Irrit. 2 H304 Asp. Tox. 1 H226 Flam. Liq. 3 H400 Aquatic Acute 1 H410 Aquatic Chronic 1
Pinene, beta	127-91-3	10%-20%	H317 Skin Sens. 1B H315 Skin Irrit. 2 H304 Asp. Tox. 1 H226 Flam. Liq. 3 H400 Aquatic Acute 1 H410 Aquatic Chronic 1
Cyclohexene 1-methyl-4-(1-methylethenyl)-,(r)	5989-27-5	10%-20%	H226 Flam. Liq. 3 H400 Aquatic Acute 1 H304 Asp. Tox. 1 H410 Aquatic Chronic 1 H315 Skin Irrit. 2 H317 Skin Sens. 1B
1,6-octadiene,7-methyl- 3,methylene (b-myrcene)- natural occurring)	123-35-3	10-20%	H226 Flam. Liq. 3 H319 Eye Irrit. 2A H315 Skin Irrit. 2 H304 Asp. Tox. 1
Caryophyllene beta	87-44-5	1.0%-5.0%	H304 Asp. Tox. 1 H316 Skin Corr. 3
Caryophyllene oxide	1139-30-6	1.0%-5.0%	H316 Skin Corr. 4 H401 Aquatic Acute 2 H411 Aquatic Chronic 2
Terpinen-4-ol	562-74-3	1.0%-5.0%	H315 Skin Irrit. 2 H402 Aquatic Acute 3 H319 Eye Irrit. 2A



			H227 Flam. Liq. 4 H313 Acute Tox. Dermal 5 H302 Acute Tox. Oral 4
Cymene p	99-87-6	1.0%-5.0%	H316 Skin Corr. 3 H226 Flam. Liq. 3 H401 Aquatic Acute 3 H411 Aquatic Chronic 2 H303 Aquatic Tox. Oral 5 H304 Asp. Tox. 1
Carvone	99-49-0	1.0%-5.0%	H227 Flam. Liq. 4 H317 Skin Sens. 1B H402 Aquatic Acute 3 H313 Acute Tox. Dermal 5
Carene-3	13466-78-9	1.0%-5.0%	H315 Skin Irrit. 2 H226 Flam. Liq. 3 H304 Asp. Tox. 1 H303 Acute Tox. Oral 5 H317 Skin Sens. 1B
Camphene	79-92-5	1.0%-5.0%	H319 Eye Irrit. 2A H400 Aquatic Acute 1 H228 Flam. Sol. 2 H410 Aquatic Chronic 1 H316 Skin Corr. 3
4-Isopropylidene-1-methylcyclohexene	586-62-9	1.0%-5.0%	H303 Acute Tox. Oral 5 H316 Skin Corr. 3 H410 Aquatic Chronic 1 H317 Skin Sens. 1B H400 Aquatic Acute 1 H227 Flam. Liq. 4 H304 Asp. Tox. 1
3-cyclohexene-1-methanol,a,a,4-trimethyl	98-55-5	1.0%-5.0%	H319 Eye Irrit. 2A H303 Acute Tox. Oral 5 H315 Skin Irrit. 2 H227 Flam. Liq. 4 H401 Aquatic Acute 2
1,6-octadien-3-ol,3,7-dimethyl	78-70-6	1.0%-5.0%	H303 Acute Tox. Oral 5 H319 Eye Irrit. 2A H227 Flam. Liq. 4 H402 Aquatic Acute 3 H317 Skin Sens. 1B
Nerolidol	7212-44-4	0.1%-1.0%	H400 Aquatic Acute 1 H316 Skin Corr. 3 H410 Aquatic Chronic 1 H319 Eye Irrit. 2A
Carvone-d	2244-16-8	0.1%-1.0%	H227 Flam. Liq. 4 H313 Acute Tox. Dermal 5 H317 Skin Sens. 1B H316 Skin Corr. 3 H402 Aquatic Acute 3
2-Oxabicyclo[2.2.2]octane, 1,3,3-trimethyl-	470-82-6	0.1%-1.0%	H316 Skin Corr. 3 H226 Flam. Liq. 3 H303 Acute Tox. Oral 5 H317 Skin Sens. 1B
Geraniol	106-24-1	0.1%-1.0%	H318 Eye Dam. 1 H315 Skin Irrit. 2 H303 Acute Tox. Oral 5



			H401 Aquatic Acute 3 H317 Skin Sens. 1
Benzyl salicylate	118-58-1	0.1%-1.0%	H412 Aquatic Chronic 3 H401 Aquatic Acute 2 H303 Acute Tox. Oral 5 H320 Eye Irrit. 2B H317 Skin Sens. 1B H371 STOT SE Oral 2
Benzyl benzoate	120-51-4	0.1%-1.0%	H410 Aquatic Chronic 1 H400 Aquatic Acute 1 H313 Acute Tox. Dermal 5 H302 Acute Tox. Oral 4

#### 04. FIRST AID MEASURES

EYE CONTACT:

Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

SKIN CONTACT:

Wash skin with soap and water.

INHALATION:

Move to fresh air.

INGESTION:

Clean mouth with water and afterwards drink plenty of water.

#### 05. FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA:

Water spray. Carbon dioxide (CO<sub>2</sub>). Use: Dry chemical, alcohol-resistant foam.

UNSUITABLE EXTINGUISHING MEDIA:

Decomposition by contact with water may generate vapors which can be ignited by heat or open flame.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:

Thermal decomposition can lead to release of irritation gases and vapors.

PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS:

As in any fire, wear self-container breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

#### 06. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:

Use personal protective equipment. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

ENVIRONMENTAL PRECAUTIONS:

Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

METHODS FOR CLEAN-UP:

Soak up with inert, absorbent material. Pick up and transfer to properly labelled containers. Dam up.

#### 07. HANDLING & STORAGE

HANDLING:

Wear personal protective equipment. Use only in area provided with appropriate exhaust ventilation. Do not breathe vapors or spray mist. Use product only in closed system.



**STORAGE:**

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from open flames, hot surfaces and sources of ignition.

**08. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**EXPOSURE GUIDELINES:**

Component	ACGIH TWA	North America OEL	OSHA PEL	NASTEL-NORTH AMERICA
Pinene, alpha 80-56-8	20 PPM	-	-	-
Pinene, beta	20 PPM	-	-	-
Carene-3	20 PPM	-	-	-

Component	CANADA STEL	CANADA (CEILING)	CANADA STEV	CANADA TWA
Pinene, alpha 80-56-8	-	-	-	20 PPM
Pinene, beta 127-91-3	-	-	-	20 PPM
Cymene p 99-87-6	-	-	-	274 MGM3 50 PPM
Carene-3 13466-78-9	-	-	-	20 PPM

**ENGINEERING CONTROLS:**

Ensure adequate ventilation, especially in confined areas.

**INDIVIDUAL PROTECTION MEASURES:**

**EYE/FACE PROTECTION:**

Tight sealing safety goggles

**SKIN AND BODY PROTECTION:**

No special technical protective measures are necessary.

**RESPIRATORY PROTECTION:**

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**GENERAL HYGIENE CONSIDERATIONS:**

When using, do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing.

**09. PHYSICAL & CHEMICAL PROPERTIES**

**PHYSICAL STATE:**

Liquid

**APPEARANCE:**

Natural variation

**pH:**

Not determined

**MELTING POINT/MELTING RANGE:**

Not determined

**BOILING POINT/BOILING RANGE:**

>35°C

**FLASH POINT:**

43°C

**EVAPORATION RATE:**

Not determined

**FLAMMABILITY (SOLID, GAS):**

Not determined

**VAPOR PRESSURE (mm Hg @ 20°C)**

Not determined

**WATER SOLUBILITY:**

Not determined



SOLUBILITY IN OTHER SOLVENTS:

Not determined

PARTITION COEFFICIENT:

Not determined

AUTOIGNITION TEMPERATURE:

Not determined

DECOMPOSITION TEMPERATURE:

Not determined

VISCOSITY:

Not determined

EXPLOSIVE PROPERTIES:

No information available

OXIDIZING PROPERTIES:

No information available

## 10. STABILITY & REACTIVITY

REACTIVITY:

No dangerous reaction known under conditions of normal use. Keep away from oxidizing agents and strongly acid or alkaline materials.

CHEMICAL STABILITY:

Stable under normal conditions. Hazardous polymerization does not occur.

POSSIBILITY OF HAZARDOUS REACTIONS:

None under normal processing

CONDITIONS TO AVOID:

Heating in air

INCOMPATIBLE MATERIALS:

Strong oxidizing agents

HAZARDOUS DECOMPOSITION PRODUCTS:

None known based on information supplied

## 11. TOXICOLOGICAL INFORMATION

PRODUCTION INFORMATION:

Product does not present an acute toxicity hazard based on known information

INHALATION:

No data available

EYE CONTACT:

No data available

SKIN CONTACT:

No data available

INGESTION:

No data available

CARCINOGENICITY:

This product does not contain chemicals found on the IARC, NTP or ACGIH listings.

ORAL LD50:

>5000

## 12. ECOLOGICAL INFORMATION

Ecological data is not available. Do not discharge product unmonitored into the environment.

## 13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD:

Dispose of in accordance with local regulations

CONTAMINATED PACKAGING:

Empty containers should be taken for local recycling, recovery or waste disposal

## 14. TRANSPORT INFORMATION

TRANSPORT DOT:

UN/ID NO.:

1197

PROPER SHIPPING NAME:

Extracts, flavoring, liquid

HAZARD CLASS:

3

PACKING GROUP:

III

TRANSPORT IMDG/IMO:

UN/ID NO.:

1197

PROPER SHIPPING NAME:

Extracts, flavoring, liquid



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HAZARD CLASS:

3

PACKING GROUP:  
EMS NO.

III  
F-E, S-D

TRANSPORT IATA/ICAO:

UN NO.:

1197

PROPER SHIPPING NAME:

Extracts, flavoring, liquid

HAZARD CLASS:

3

PACKING GROUP:

III

## 15. REGULATORY INFORMATION

FEDERAL REGULATIONS:

SARA 313:

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

INTERNATIONAL REGULATIONS:

CANADA:

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by the CPR.

## 16. OTHER INFORMATION

Essential oils must be diluted prior to use. It is the sole responsibility of the user to determine the method and amount of dilution required for safe use, which may vary depending on the nature of the intended use. Keep away from children and pregnant women.

Not for ingestion. Not for use in food applications.

**Revised on 12/10/2020**

The information provided above is intended only as a guide to the appropriate precautionary handling of the material by properly trained personnel using this product. It is the responsibility of the customer and user to ensure it has in place provisions for the safe and proper handling of the material. Although Jedwards International, Inc. believes the above information to be accurate based on the information available to Jedwards, it is the responsibility of the customer and user of the material to perform its own investigation and due diligence prior to use to verify that the product purchased from Jedwards meets their quality requirements and is appropriate for the use to which the product is to be put. Use and purchase of this material is subject to Jedwards International,



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