

2012 OSHA Hazard Communication Standard (HCS) (29 CFR 1910.1200)

Revision Number: 7 Revision Date 13-July-2018

SECTION 1: Identification

1.1. Identification

Product Name Frankincense essential oil (France)
CAS No. 8016-36-2

1.2. Recommended use and restrictions on use

Recommended Use Aromatic Ingredient (s). For Industrial Use Only.
Uses advised against Do not ingest as such Avoid eye contact

1.3. Supplier

Camden-Grey Essential Oils, Inc.
5751 Halifax Ave., Unit 2
Fort Myers, FL 33912
www.camdengrey.com

1.4. Emergency telephone number

Emergency number : Chemtrec -1.800.424.9300/ 1.703.527.3887 CCN330

SECTION 2: Hazard(s) identification

OSHA Hazard Classification

Acute toxicity - Oral	Category 4
Skin Corrosion/Irritation	Category 2
Serious eye damage/eye irritation	Category 2A
Skin Sensitization	Category 1B
Aspiration Toxicity	Category 1
Flammable liquids	Category 3

Label elements

Signal Word
Danger

Hazard Statements

Causes Skin irritation
Causes serious eye irritation
May cause an allergic skin reaction
Suspected of causing cancer
May be fatal if swallowed and enters airways
Combustible liquid



Precautionary Statements – Prevention

Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Use personal protective equipment as required
Wash face, hands and any exposed skin thoroughly after handling
Avoid breathing dust/fume/gas/mist/vapors/spray
Contaminated work clothing should not be allowed out of the workplace
Keep away from heat/sparks/open flames/hot surfaces. - No smoking
Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention
Specific treatment (see supplemental first aid instructions on this label)
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
If eye irritation persists: Get medical advice/attention
IF ON SKIN: Wash with plenty of soap and water
Take off contaminated clothing and wash before reuse
If skin irritation or rash occurs: Get medical advice/attention
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician

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Do not induce vomiting
In case of fire: Use CO₂, dry chemical, or foam for extinction

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

None known

Other Information

May be harmful in contact with skin
Very toxic to aquatic life with long lasting effects
Very toxic to aquatic life

Interactions with Other Chemicals

No applicable

Principle Routes of Exposure

No information available

SECTION 3: Composition/information on ingredients

Component	CAS-No	Weight%	OHS Classification
Pinene, alpha	80-56-8	40% - 50%	Skin Irrit. 2 (H315) Skin Sens. 1B(H317) Aquatic Chronic 1 (H410) Aquatic Acute 1 (H400) Acute Tox. Oral 4 (H302) Asp. Tox. 1 (H304) Flam. Liq. 3 (H226)
Cyclohexene, 1 -methyl-4-(1 -methylethenyl)-, (r)	5989-27-5	10%-20%	Flam. Liq. 3 (H226) Skin Sens. 1B(H317) Aquatic Chronic 1 (H410) Skin Irrit. 2 (H315) Aquatic Acute 1 (H400) Asp. Tox. 1 (H304)
Myrcene, natural occurring	123-35-3	5%-10%	Flam. liq. 3 (H226) Skin Irrit. 2 (H315) Aquatic Chronic 2 (H411) Aquatic Acute 1 (H400) Eye Irrit. 2A (H319) Asp. Tox. 1 (H304)
Cymene p	99-87-6	5%-10%	Aquatic Acute 2 (H401) Acute Tox. Oral 5 (H303) Asp. Tox. 1 (H304) Skin Corr. 3 (H316) Flam. Liq. 3 (H226) Aquatic Chronic 2 (H411)
Caryophyllene beta	87-44-5	1.0%-5.0%	Skin Sens. 1B (H317) Skin Corr. 3 (H316) Asp. Tox. 1 (H304)
Terplnen-4-ol	562-74-3	1.0%-5.0%	Flam. Liq. 4 (H227) Skin Irrit. 2 (H315) Acute Tox. Oral 4 (H302) Aquatic Acute 3 (H402) Eye Irrit. 2A (H319) Acute Tox. Dermal 5 (H313)
Pinene, beta	127-91-3	1.0%-5.0%	Flam. Uq. 3 (H226) Skin Sens. 1B(H317) Aquatic Chronic 1 (H410) Skin Irrit. 2 (H315) Aquatic Acute 1 (H400) Asp. Tox. 1 (H304)
Caryophyllene oxide	1139-30-6	1.0%-5.0%	Skin Corr. 3 (H316) Aquatic Acute 2 (H401) Aquatic Chronic 2 (H411)
Terpinene, alpha	99-86-5	1.0%-5.0%	Aquatic Chronic 2 (H411) Flam. Liq. 3(1-1226) Asp. Tox. 1 (H304) Aquatic Acute 2 (H401) Acute Tox. Oral 4 (H302) Skin Corr. 3 (H316)

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Terpineol	8000-41-7	1.0%-5.0%	Flam. Liq 4 (H227) Aquatic Acute 3 (H402) Eye Irrit. 2A (H319) Acute Tox. Oral 5 (H303) Skin Irrit. 2 (H315)
Carene-3	13466-78-9	1.0% • 5.0%	Asp. Tox. 1 (H304) Skin Irrit. 2 (H315) Skin Sens. 1 (H317) Flam. Liq. 3 (H226) Aquatic Chronic 1 (H410) Aquatic Acute 1 (H400) Acute Tox. Oral 5 (H303)
Camphene	79-92-5	1.0%-5.0%	Flam. Sol. 2 (H228) Aquatic Chronic 1 (H410) Aquatic Acute 1 (H400) Eye Irrit. 2B(H320)
4-Isopropylidene-1-methylcyclohexene	586-62-9	1.0%-5.0%	Skin Corr. 3 (H316) Flam. Liq. 4 (H227) Aquatic Chronic 1 (H410) Skin Sens. 1B (H317) Aquatic Acute 1 (H400) Acute Tox. Oral 5 (H303) Asp. Tox. 1 (H304)
3-cyclohexene-1-methanol. a,a,4-trimethyl	98-55-5	1.0%-5.0%	Skin Irrit. 2 (H315) Flam. Liq. 4 (H227) Aquatic Acute 2 (H401) Eye Irrit. 2A(H319) Acute Tox. Oral 5 (H303)
Carvone-d	2244-16-8	0.1%-1.0%	Ham. Uq. 4 (H227) Aquatic Acute 2 (H401) Acute Tox. Dermal 5 (H313) Skin Sens. 1B(H317)
1,6-octadien-3-ol, 3,7-dimethyl	78-70-6	0.1% - 1.0%	Skin Sens. 1B(H317) Aquatic Acute 3 (H402) Eye Irrit. 2A (H319) Acute Tox. Oral 5 (H303) Flam. Liq. 4 (H227) Skin Irrit. 2 (H315)
2-Oxabicyclo[2.2.2]octane, 1,3,3-trimethyl-	470-82-6	0.1% - 1.0%	Skin Corr. 3 (H316) Flam. Liq. 3 (H226) Acute Tox. Oral 5 (H303) Skin Sens. 1B(H317)
Nerolidol	7212-44-4	<0.1%	Skin Sens. 1B(H317) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) Eye Irrit. 2B (H320)
Geraniol	106-24-1	< 0.1%	Eye Dam. 1 (H318) Acute Tox. Oral 5 (H303) Aquatic Acute 3 (H402) Skin Irrit. 2 (H315) Skin Sens. 1B (H317)
Benzyl salicylate	118-58-1	< 0.1%	Aquatic Acute 2 (H401) Eye Irrit. 2B (H320) Acute Tox. Oral 5 (H303) Skin Sens. 1B (H317) Aquatic Chronic 3 (H412)
Benzyl benzoate	120-51-4	<0.1%	Aquatic Acute 1 (H400) Acute Tox. Oral 4 (H302) Acute Tox. Dermal 5 (H313) Aquatic Chronic 2 (H411)

SECTION 4: First-aid measures

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

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Inhalation Move to fresh air
Ingestion Clean mouth with water and afterwards drink plenty of water

Indication of any immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically.

SECTION 5: Fire-fighting measures

Suitable Extinguishing Media

Carbon dioxide (CO2). Water spray. Use: Dry chemical, alcohol-resistant foam.

Unsuitable Extinguishing Media

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

Specific Hazards Arising from the Chemical

Keep product and empty container away from heat and sources of ignition. Risk of ignition.

Protective Equipment and Precautions for Firefighters

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

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal Precautions Use personal protective equipment. Remove all sources of ignition. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Pay attention to flashback. Take precautionary measures against static discharges.

Environmental precautions

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 and material for containment and cleaning up

Methods for Clean-up Soak up with inert absorbent material. Pick up and transfer to properly labelled containers. Dam up. Take precautionary measures against static discharges.

SECTION 7: Handling and storage

Precautions for safe handling

Handling

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

Conditions for safe storage, including any incompatibilities

Storage

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

SECTION 8: Exposure controls/personal protection

Control parameters

Exposure Guidelines

Component	OSHA PEL (TWA)	ACGIH TLV (TWA)	ACGIH TLV (STEL)	California PEL (TWA)
Pinero, alpha 80-56-8	-	20 PPM	-	-
Pinene, beta 127-91-3	-	20 PPM	-	-
Carene-3 13466-78-9	-	20 PPM	-	-

Appropriate engineering controls

Engineering Controls Ensure adequate ventilation, especially in confined areas.

Individual protection measures, such as personal protective equipment

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

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General Hygiene Considerations

regulations.

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

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical State:	Liquid
Appearance:	Light yellow to yellow
Odor:	Characteristic
Odor Threshold:	No information available

Property	Values	Remarks/ Method
pH	Not Determined	None known
Melting Point / Melting Range	Not Determined	None known
Boiling Point / Boiling Range (°C)	>35	None known
Flash Point:	44 °C / 111 °F	CC (closed cup)
Evaporation rate	Not Determined	None known
Flammability (solid, gas)	Not Determined	None known
Vapor Pressure (mm Hg @ 20°C):	Not Determined	None known
Vapor Density	Not Determined	None known
Relative density	Not Determined	None known
Specific Gravity @ 20/20 °C:	0.8560 – 0.8800	RTM-101
Water Solubility:	Not Determined	None known
Solubility in other solvents	Not Determined	None known
Partition coefficient: n-octanol/water	Not Determined	None known
Autoignition Temperature	Not Determined	None known
Decomposition temperature	Not Determined	None known
Decomposition temperature	Not Determined	None known
Viscosity	Not Determined	None known
Explosive Properties	No information available	
Oxidizing Properties	No information available	

SECTION 10: Stability and 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 polymerisation 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.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Information on likely routes of exposure

Product 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.

Numerical measures of toxicity • Product Information

The following values are calculated based on chapter 3.1 of the GHS document

Oral LD50	970.00 mg/kg
Dermal LD50	> 5000 mg/Kg

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SECTION 12: Ecological information

Ecotoxicity effects

None known

Persistence and degradability

No information available

Bioaccumulation/ Accumulation

No information available

Other adverse effects

No information available

SECTION 13: Disposal considerations

Waste treatment methods

Waste Disposal Method	Dispose of in accordance with local regulations.
Contaminated Packaging	Empty containers should be taken for local recycling, recovery or waste disposal

SECTION 14: Transport information

DOT

UN/ID No	1197
Proper shipping name	Extracts, flavoring, liq
Hazard Class	3
Packing Group	III

IMDG/IMO

UN/ID No	1197
Proper shipping name	Extracts, flavoring, liq
Hazard Class	3
Packing Group	III
Marine Pollutant	This product contains a chemical which is listed as a marine pollutant according to IMDG/IMO
EmS No	F-E, S-D

ATA/ICAO

UN-No	1197
Proper shipping name	Extracts, flavoring, liq
Hazard Class	3
Packing Group	III

SECTION 15: Regulatory information

USA

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

State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals

SECTION 16: Other information

DISCLAIMER: The information in this SDS was obtained from current and reliable sources. However, the data is provided without any warranty, expressed or implied, regarding its correctness and accuracy. Since the conditions for use, handling, storage and disposal of this product are beyond Camden-Grey Essential Oils, Inc.'s control, it is the user's responsibility both to determine safe conditions for use of this product and to assume liability for loss, injury, damage or expense arising out of the product's improper use. No warranty, expressed or implied, regarding the product described herein shall be created by or inferred from any statement or omission in this SDS. Various government agencies (e.g. DOT, EPA, FDA) may have specific regulations concerning the transportation, handling, storage, use or disposal of this product, which may not be reflected in this SDS. The user should review these regulations to ensure full compliance.