SAFETY DATA SHEET

Frankincense Essential Oil - Somalia | CAS 8016-36-2

Veriscents document issue: 29 October 2026 | Source SDS revision: 27 January 2023

1. IDENTIFICATION

Product	Frankincense Essential Oil - Somalia
CAS	8016-36-2
Recommended use	Aromatic ingredient; industrial use only. Do not ingest. Avoid eye contact.
Company	Veriscents, 30 N Gould Street, Sheridan, WY 82801
Regulatory Contact	877.863.7700
24-hour medical exposure	Poison Control: 800.222.1222
Hazmat transportation emergency	HazmatLine: +1 (813) 742-5152 | support@hazmatline.com

2. HAZARDS IDENTIFICATION

Classification: Acute oral toxicity Category 4; Skin irritation Category 2; Eye irritation Category 2A; Skin sensitization Category 1B; Reproductive toxicity Category 2; Aspiration hazard Category 1; Flammable liquids Category 3.

Signal word: DANGER. H302 Harmful if swallowed. H315 Causes skin irritation. H319 Causes serious eye irritation. H317 May cause an allergic skin reaction. H361 Suspected of damaging fertility or the unborn child. H304 May be fatal if swallowed and enters airways. H226 Flammable liquid and vapor.

Avoid heat, sparks, flames, static discharge, breathing vapors and skin/eye contact. Use suitable PPE. IF SWALLOWED: Immediately call a poison center or doctor. Do NOT induce vomiting. Store locked up, tightly closed and in a cool, ventilated place.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Constituent / CAS	Reported weight %
alpha-Pinene / 80-56-8	40-50
Limonene / 5989-27-5	10-20
beta-Myrcene / 123-35-3	5-10
p-Cymene / 99-87-6	5-10
beta-Caryophyllene / 87-44-5	1-5
beta-Pinene / 127-91-3	1-5
4-Carvomenthenol / 562-74-3	1-5
p-Mentha-1,3-diene / 99-86-5	1-5
delta-3-Carene / 13466-78-9	1-5
Terpineol / 8000-41-7	1-5
Camphene / 79-92-5	0.1-1
p-Mentha-1,4-diene / 99-85-4	0.1-1
Eucalyptol / 470-82-6	0.1-1
Terpinolene / 586-62-9	0.1-1
delta-Carvone / 2244-16-8	0.1-1
Linalool / 78-70-6	0.1-1

Exact constituent percentages are withheld as trade secret in the supplied SDS.

4. FIRST-AID MEASURES

Description of first aid measures

General advice Show this safety data sheet to the doctor in attendance. Immediate medical attention is required.

Inhalation Aspiration into lungs can produce severe lung damage. If breathing has stopped, give artificial respiration. Get medical attention immediately. Remove to fresh air. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. If breathing is difficult, (trained personnel should) give oxygen. Get immediate medical advice/attention. Delayed pulmonary edema may occur.

Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

Skin contact Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a physician.

Ingestion Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. ASPIRATION HAZARD IF SWALLOWED - CAN ENTER LUNGS AND CAUSE DAMAGE. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Get immediate medical advice/attention.

Self-protection of the first aider Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Use

personal protective equipment as required. See section 8 for more information. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Avoid contact with skin, eyes or clothing.

Most important symptoms and effects, both acute and delayed

Symptoms Itching. Rashes. Hives. Difficulty in breathing. Coughing and/ or wheezing. Dizziness. May cause redness and tearing of the eyes. Burning sensation.

Indication of any immediate medical attention and special treatment needed

Note to physicians May cause sensitization in susceptible persons. Treat symptomatically. Because of the danger of aspiration, emesis or gastric lavage should not be employed unless the risk is justified by the presence of additional toxic substances.

5. FIREFIGHTING MEASURES

Suitable Extinguishing Media Dry chemical. Carbon dioxide (CO2). Water spray. Alcohol resistant foam. Large Fire CAUTION: Use of water spray when fighting fire may be inefficient.

Unsuitable extinguishing media Do not scatter spilled material with high pressure water streams.

Specific hazards arising from the Risk of ignition. Keep product and empty container away from heat and sources of ignition. chemical In the event of fire, cool tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Product is or contains a sensitizer. May cause sensitization by skin contact.

Explosion data
Sensitivity to mechanical impact None.

Sensitivity to static discharge Yes.

Special protective equipment for Firefighters should wear self-contained breathing apparatus and full firefighting turnout fire-fighters gear. Use personal protection equipment.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Evacuate personnel to safe areas. Use personal protective equipment as required. See section 8 for more information. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Do not touch or walk through spilled material.

Other information Ventilate the area. Refer to protective measures listed in Sections 7 and 8.

Methods and material for containment and cleaning up

Methods for containment Stop leak if you can do it without risk. Do not touch or walk through spilled material. A vapor suppressing foam may be used to reduce vapors. Dike far ahead of spill to collect runoff water. Keep out of drains, sewers, ditches and waterways. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

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

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Use personal protection equipment. Avoid breathing vapors or mists. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use grounding and bonding connection when transferring this material to prevent static discharge, fire or explosion. Use with local exhaust ventilation. Use spark-proof tools and explosion-proof equipment. Keep in an area equipped with sprinklers. Use according to package label instructions. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. In case of insufficient ventilation, wear suitable respiratory equipment. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse. Remove contaminated clothing and shoes.

Conditions for safe storage, including any incompatibilities

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

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

Exposure Limits The following ingredients are the only ingredients of the product above the cut-off level (or level that contributes to the hazard classification of the mixture) which have an exposure limit applicable in the region for which this safety data sheet is intended or other recommended limit. At this time, the other relevant constituents have no known exposure limits from the sources listed here

Chemical name ACGIH TLV OSHA PEL NIOSH IDLH
alpha-Pinene dermal sensitizer - -
80-56-8 TWA: 20 ppm
beta-Pinene dermal sensitizer - -
127-91-3 TWA: 20 ppm
delta-3-Carene dermal sensitizer - -
13466-78-9 TWA: 20 ppm

Appropriate engineering controls

Engineering controls Showers
Eyewash stations
Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection Tight sealing safety goggles.

Hand protection Wear suitable gloves. Impervious gloves.

Skin and body protection Wear suitable protective clothing. Long sleeved clothing. Chemical resistant apron. Antistatic boots.

Respiratory protection No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

General hygiene considerations Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product.

Wear suitable gloves and eye/face protection. Avoid contact with skin, eyes or clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

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 No information available
Melting point / freezing point No information available
Boiling point / boiling range > 35 °C No information available
Flash point 42 °C / 108 °F CC (closed cup)
Evaporation rate No information available
Flammability (solid, gas) No information available
Vapor Pressure (mm Hg @ 20°C): No information available
Vapor density No information available

Relative density No information available
Specific Gravity @ 20/20 °C 0.8560-0.8800 RTM-101
Solubility(ies)
Water solubility No information available
Solubility in other solvents No information available
Partition coefficient No information available
Autoignition temperature No information available
Decomposition temperature No information available
Viscosity No information available

Other information
Explosive properties No information available
Oxidizing properties No information available

10. STABILITY AND REACTIVITY

Reactivity No information available.

Chemical stability Stable under normal conditions.

Possibility of hazardous reactions None under normal processing.

Conditions to avoid Heat, flames and sparks.

Incompatible materials Strong acids. Strong bases. Strong oxidizing agents.

Hazardous decomposition products None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information .

Inhalation Specific test data for the substance or mixture is not available. Aspiration into lungs can produce severe lung damage. May cause pulmonary edema. Pulmonary edema can be fatal. May cause irritation of respiratory tract.

Eye contact Specific test data for the substance or mixture is not available. Irritating to eyes. (based on components). Causes serious eye irritation.

Skin contact May cause sensitization by skin contact. Specific test data for the substance or mixture is not available. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. (based on components). Repeated exposure may cause skin dryness or cracking. Causes skin irritation.

Ingestion Specific test data for the substance or mixture is not available. Potential for aspiration if swallowed. May cause lung damage if swallowed. Aspiration may cause pulmonary edema and pneumonitis. May be fatal if swallowed and enters airways. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. (based on components).

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Itching. Rashes. Hives. Difficulty in breathing. Coughing and/ or wheezing. Dizziness. Redness. May cause redness and tearing of the eyes.

Acute toxicity

Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document .
ATEmix (oral) 1,084.00 mg/kg
ATEmix (inhalation-dust/mist) 45.50 mg/l
ATEmix (inhalation-vapor) 161.70 mg/l

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation Classification based on data available for ingredients. Irritating to skin.

Serious eye damage/eye irritation Classification based on data available for ingredients. Causes serious eye irritation.

Respiratory or skin sensitization May cause sensitization by skin contact.

Germ cell mutagenicity No information available.

Carcinogenicity .
The table below indicates whether each agency has listed any ingredient as a carcinogen
Chemical name ACGIH IARC NTP
beta-Myrcene Group 2B
123-35-3

12. ECOLOGICAL INFORMATION

This product contains a chemical which is listed as a marine pollutant according to DOT.

Ecotoxicity
Very toxic to aquatic life with long lasting effects.

Persistence and degradability
No information available.

Bioaccumulation
There is no data for this product.

Other adverse effects
No information available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste from residues/unused Should not be released into the environment. Dispose of in accordance with local products regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging Empty containers pose a potential fire and explosion hazard. Do not cut, puncture of weld containers.

14. TRANSPORT INFORMATION

DOT	Not regulated (as stated in source SDS); limonene identified as a marine pollutant constituent.
IATA / ICAO	UN 1197, Extracts, liquid, Class 3, Packing Group III
IMDG / IMO	UN 1197, Extracts, liquid, Class 3, Packing Group III; EmS F-E, S-D

15. REGULATORY INFORMATION

US 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.

SARA 311/312 Hazard Categories
Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

16. OTHER INFORMATION

Technical safety information is based on the supplied source SDS dated 27 January 2023. Veriscents has not independently retested the source hazard classification. Review classification and transport obligations against the shipped lot and current regulations before distribution.