1. Identification of the substance/preparation and trade name

Trade name: Myrrh essential oil
Utilization: aromatic raw material for cosmetic and professional use
Company identification: Elemental SRL, Piata Cazarmii no.15, 410188-Oradea, Bihor-Romania,
Tel/Fax: +40259-436.755, www.elemental.eu
Emergency: RO: Biroul pentru Regulamentul Sanitar Internațional și Informare Toxicologică - Telefon de urgență 021 318 3606

2. Hazards Identification

Classification of the substance or mixture: Classification (EC 1272/2008)
Physical and Chemical Hazards: Not classified.
Human health Asp: Acute Tox 4 (1650)
Environment: Not Classified

Label Elements:
Label in accordance with (EC) No 1272/2008
GH507
Signal Word: Warning
Contains: None listed
Hazard Statements: H302 Harmful if swallowed
Precautionary Statements: None
Supplementary Precautionary Statements: None
Other Hazards
PBT or vPvB according to Annex XIII No
Adverse physio-chemical properties: Combustible but will not self-ignite
Adverse effects on human health: Toxic if swallowed

3. Composition / Information on ingredients

Pure and natural essential oil obtained by the steam distillation of dried gum oleoresin of Commiphora myrrha.
100% Commiphora myrrha oil Cas No: 84929-26-0 EC No: 284-510-0
not classed as hazardous
Main components: furanoeudesma-1,3-diene, lindestrene, curzerene

4. First Aid

After excessive inhalation: Move exposed person to fresh air. Keep the person warm and at rest. Call a doctor in case of persistence or worsening of adverse health effects. If unconscious, place the person in recovery position and call a physician immediately. Ensure good air circulation.
First aid after Skin contact: Remove contaminated clothing. Rinse affected area with plenty of water. Contact a physician if symptoms persist.
First aid after Eye contact: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 15 minutes. Get medical attention if irritation occurs.
MYRRH ESSENTIAL OIL

First aid after Ingestion: Rinse mouth with water. Move exposed person to fresh air. Keep the person warm and at rest. Do not induce vomiting unless directed by medical personnel. If vomiting occurs, keep head down to prevent the passage of vomit into the lungs. Call a doctor in case of persistence or worsening of adverse health effects. If unconscious, place the person in recovery position and call a physician immediately. Ensure good air circulation.

5. Fire-fighting Measures

Suitable extinguishing media: Foam, dry chemical powder, carbon dioxide, sand or earth
Unsuitable extinguishing Direct waterjet
Special protective equipment Avoid vapour inhalation. Keep away from sources of ignition. Do not smoke. Wear positive pressure self-contained breathing apparatus & protective clothing.
Fire and explosion protection Avoid open flames. Toxic vapours must be avoid during fire. Respiratory protection should be released during fire.
Other information Closed containers may build up pressure when exposed to heat and should be cooled with water spray.

6. Accidental release measures:

Personal precautions: Provide adequate ventilation, avoid contact with skin and eye contact. Use individual protective equipment (safety glasses, waterproof-boots, suitable protective clothing). Don’t smoke. Prevent any contact with hot surfaces (see rubric 8).
Environmental precautions Shut off source. Prevent product from entering sewerage, water courses or low lying areas. Take measures to reduce or prevent effects on ground water.
Land spill: Gather product mechanically if possible. Bind remainings of the product with sand or other appropriate absorbent and remove. Dispose of product and contaminated absorbents in suitable containers, as directed in section 13.
Water spill: Confine the spill immediately with booms. Warn other ships. Notify port and other relevant authorities. Remove from the surface by skimming or with suitable absorbents. In running waters, apply appropriate dispersants in accordance with local regulation.
Methods for cleaning up: Contain spilled material, cover with an inert, non-combustible, inorganic, absorbent material and destroy according to the regulation in force.

7. Handling and Storage

Precautions for safe handling: Handle with care. Do not ingest the product. Use only in well ventilated area. To avoid splashing into the eyes and mucous membranes and following the arrangement of the workplace and manipulations, wearing glasses and special clothing (gloves...) may be indicated. It is prohibit smoking in areas where they are handled. Do not heat with a naked flame or expose their vapors to a flame or other sources of ignition (eg electrical equipment). Do not abundantly breathe vapors. Large spillages should be contained with sand or inert powder.
Conditions for safe storage: Store in cool, dry and ventilated area, away from heat sources, sparks and open flames, protected from light in tightly closed original container.
8. Exposure Controls and Personal Protection

Respiratory protection: Avoid to breath directly on the product. Ensure a good ventilation of the workroom.
Hand protection: Use protective gloves (according to EN374 regulation).
Eye protection: Avoid contact with eyes. Use eye protectors designed to protect against liquid splashes. Before handling, wear safety glasses in accordance with standard EN166.
Physical protection: Use individual protective equipment

9. Physical and Chemical Properties

Appearance: slightly viscous liquid at room temperature
Colour: ambered yellow to greenish yellow
Odour: typical
Flash point: +100°C
Specific gravity at 20°C: 0.990 to 1.040
Refractive index at 20°C: 1.520 to 1.531
Optical rotation at 20°C: -125° to -50°
Solubility(ies): insoluble in water; miscible with oils

10. Stability and Reactivity

Stability: No significant modifications, respecting the storage conditions (see rubric 7).
Reactivity: This product is stable to shock, vibration and pressure under normal conditions of use. In the presence of light and heat, oxidation can occur.
Conditions to avoid: Do not heat to high temperature. Do not expose sealed containers in the sun. Keep away from sources of ignition.
Substances to avoid: Avoid contacts with strong acids, alkali or oxidizing agents.

11. Toxicological Information

Effect by ingestion: no relevant information available
Effect by dermal contact: no relevant information available; non-phototoxic
CMR naturally present: none
IFRA restrictions: Myrrh essential oil is not explicitly regulated by IFRA. It contains maximum 0.2% limonene classified "S" (specified).

12. Ecological Information

Prevent contamination of soil, ground and surfacewater. Do not allow product to enter streams, sewers or other waterways. Water Hazard Class; WGK-1. Biodegradability not determined.

13. Disposal Considerations

Recommendation: In accordance with local environmental laws. Avoid disposing into drainage systems and into the environment.
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14. Transport Information

UN no: not regulated
Road (ADR/RID): not regulated
Air (IATA/ICAO): not regulated
Sea (IMDG): not regulated

15. Additional Regulatory Information

Guidance Notes: Workplace Exposure Limits EH40. CHIP for everyone HSG(108).
EU Legislation

16. Other Information

DECLARATION OF ALLERGENS
7th Amendment to Directive 76/768/EC, annex III, part I (2003/15/EC)

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LINALOOL 78-70-6 0
METHYL HEPTINE CARBONATE 111-12-6 0
OAK MOSS EXTRACT (Evernia Prunastri) 90028-68-5 0
TREE MOSS EXTRACT (Evernia Furfuracea) 90028-67-4 0

Disclaimer
This material safety data sheet does not constitute a guarantee of the properties of the product and is not a contractual legal report. The information is given in good faith on the basis of our best knowledge of the product at the indicated time. However, we cannot accept responsibility or liability for any consequences arising from its use, no warranty for correctness and completeness is given. We caution the users against the incurred possible risks when the product is used at other ends than the use for which it was initially planned. It is the user’s responsibility during handling, storage and product use to consult the main regulatory texts in force regarding workers and environment protection.