

## SECTION 1: Identification

### 1.1. Identification

Product form : Substance  
Product name : Helichrysum  
CAS-No. : 8023-95-8  
Product code : EOC032

### 1.2. Recommended use and restrictions on use

### 1.3. Supplier

Essential Oil Company  
2150 Industrial Drive  
Niles, MI 49120 - United States  
T 888-541-9089  
info@essentialoil.com - www.essentialoil.com

### 1.4. Emergency telephone number

Emergency number : CHEMTREC - USA: 800-424-9300 International: +1 703-527-3887 / 1-800-424-9300  
CCN: 1026184

## SECTION 2: Hazard(s) identification

### 2.1. Classification of the substance or mixture

#### GHS US classification

|                                      |                                              |
|--------------------------------------|----------------------------------------------|
| Flammable liquids Category 3         | Flammable liquid and vapor                   |
| Skin corrosion/irritation Category 2 | Causes skin irritation                       |
| Skin sensitization, Category 1       | May cause an allergic skin reaction          |
| Aspiration hazard Category 1         | May be fatal if swallowed and enters airways |

### 2.2. GHS Label elements, including precautionary statements

#### GHS US labeling

Hazard pictograms (GHS US) :



GHS02



GHS07



GHS08

Signal word (GHS US) :

Danger

Hazard statements (GHS US) :

Flammable liquid and vapor  
May be fatal if swallowed and enters airways  
Causes skin irritation  
May cause an allergic skin reaction

Precautionary statements (GHS US) :

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
Keep container tightly closed.  
Ground/Bond container and receiving equipment.  
Use explosion-proof electrical/ventilating/lighting equipment.  
Use only non-sparking tools.  
Take precautionary measures against static discharge.  
Avoid breathing dust/fume/gas/mist/vapors/spray.  
Wash hands, forearms and face thoroughly after handling.  
Contaminated work clothing must not be allowed out of the workplace.  
Wear protective gloves/protective clothing/eye protection/face protection.  
If swallowed: Immediately call a poison center or doctor.  
If on skin: Wash with plenty of water.  
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
Specific treatment (see supplemental first aid instruction on this label).  
Do NOT induce vomiting.  
If skin irritation occurs: Get medical advice/attention.

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If skin irritation or rash occurs: Get medical advice/attention.  
Take off contaminated clothing and wash it before reuse.  
Wash contaminated clothing before reuse.  
In case of fire: Use media other than water to extinguish.  
Store in a well-ventilated place. Keep cool.  
Store locked up.  
Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

### 2.3. Other hazards which do not result in classification

No additional information available

### 2.4. Unknown acute toxicity (GHS US)

Not applicable

## SECTION 3: Composition/Information on ingredients

### 3.1. Substances

| Name            | Product identifier  | %   | GHS US classification                                                                |
|-----------------|---------------------|-----|--------------------------------------------------------------------------------------|
| HELICHRYSUM OIL | (CAS-No.) 8023-95-8 | 100 | Flam. Liq. 3, H226<br>Skin Irrit. 2, H315<br>Skin Sens. 1, H317<br>Asp. Tox. 1, H304 |

Full text of hazard classes and H-statements : see section 16

### 3.2. Mixtures

Not applicable

## SECTION 4: First-aid measures

### 4.1. Description of first aid measures

First-aid measures general : Call a physician immediately.  
First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.  
First-aid measures after skin contact : Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.  
First-aid measures after eye contact : Rinse eyes with water as a precaution.  
First-aid measures after ingestion : Do not induce vomiting. Call a physician immediately.

### 4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after inhalation : No data available.  
Symptoms/effects after skin contact : Irritation. May cause an allergic skin reaction.  
Symptoms/effects after eye contact : None under normal conditions.  
Symptoms/effects after ingestion : Risk of lung edema.

### 4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

## SECTION 5: Fire-fighting measures

### 5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.  
Unsuitable extinguishing media : Do not use a heavy water stream.

### 5.2. Specific hazards arising from the chemical

Fire hazard : Flammable liquid and vapor.  
Explosion hazard : No direct explosion hazard.  
Reactivity : Flammable liquid and vapor.

### 5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions : Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection.  
Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

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### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material-damage.

##### 6.1.1. For non-emergency personnel

Protective equipment : Wear recommended personal protective equipment.  
Emergency procedures : Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray.

##### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".  
Emergency procedures : Evacuate unnecessary personnel. Stop leak if safe to do so.

#### 6.2. Environmental precautions

Avoid release to the environment.

#### 6.3. Methods and material for containment and cleaning up

For containment : Absorb spilled material with sand or earth. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak, if possible without risk.  
Methods for cleaning up : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.  
Other information : Dispose of materials or solid residues at an authorized site.

#### 6.4. Reference to other sections

For further information refer to section 13.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Additional hazards when processed : Not expected to present a significant hazard under anticipated conditions of normal use.  
Precautions for safe handling : Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapors may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray.  
Hygiene measures : Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

#### 7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Ground/bond container and receiving equipment.  
Storage conditions : Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.  
Packaging materials : Store always product in container of same material as original container.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### HELICHRYSUM OIL (8023-95-8)

No additional information available

#### 8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.  
Environmental exposure controls : Avoid release to the environment.

#### 8.3. Individual protection measures/Personal protective equipment

##### Personal protective equipment:

Wear recommended personal protective equipment.

##### Hand protection:

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Protective gloves

### Eye protection:

Chemical goggles or safety glasses

### Skin and body protection:

Wear suitable protective clothing

### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment



## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|                                                 |                                                 |
|-------------------------------------------------|-------------------------------------------------|
| Physical state                                  | : Liquid                                        |
| Color                                           | : PALE YELLOW TO GREENISH/AMBER LIQUID          |
| Odor                                            | : FLOWERED, HONEYED, SWEET WITH A TEA-LIKE NOTE |
| Odor threshold                                  | : No data available                             |
| pH                                              | : No data available                             |
| Melting point                                   | : Not applicable                                |
| Freezing point                                  | : No data available                             |
| Boiling point                                   | : No data available                             |
| Flash point                                     | : 50 °C                                         |
| Relative evaporation rate (butyl acetate=1)     | : No data available                             |
| Flammability                                    | : Not applicable.                               |
| Vapor pressure                                  | : No data available                             |
| Relative vapor density at 20°C                  | : No data available                             |
| Relative density                                | : 0.89 (0.875 – 0.906)                          |
| Solubility                                      | : Insoluble.                                    |
| Partition coefficient n-octanol/water (Log Pow) | : No data available                             |
| Auto-ignition temperature                       | : No data available                             |
| Decomposition temperature                       | : No data available                             |
| Viscosity, kinematic                            | : No data available                             |
| Viscosity, dynamic                              | : No data available                             |
| Explosion limits                                | : No data available                             |
| Explosive properties                            | : No data available                             |
| Oxidizing properties                            | : No data available                             |

### 9.2. Other information

Refractive index : 1.477 (1.466 – 1.488)

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Flammable liquid and vapor.

### 10.2. Chemical stability

No additional information available

### 10.3. Possibility of hazardous reactions

No additional information available

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### 10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

No additional information available

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

|                                     |                                                    |
|-------------------------------------|----------------------------------------------------|
| Acute toxicity (oral)               | : Not classified                                   |
| Acute toxicity (dermal)             | : Not classified                                   |
| Acute toxicity (inhalation)         | : Not classified                                   |
| Skin corrosion/irritation           | : Causes skin irritation.                          |
| Serious eye damage/irritation       | : Not classified                                   |
| Respiratory or skin sensitization   | : May cause an allergic skin reaction.             |
| Germ cell mutagenicity              | : Not classified                                   |
| Carcinogenicity                     | : Not classified                                   |
| Reproductive toxicity               | : Not classified                                   |
| STOT-single exposure                | : Not classified                                   |
| STOT-repeated exposure              | : Not classified                                   |
| Aspiration hazard                   | : May be fatal if swallowed and enters airways.    |
| Viscosity, kinematic                | : No data available                                |
| Symptoms/effects after inhalation   | : No data available.                               |
| Symptoms/effects after skin contact | : Irritation. May cause an allergic skin reaction. |
| Symptoms/effects after eye contact  | : None under normal conditions.                    |
| Symptoms/effects after ingestion    | : Risk of lung edema.                              |

## SECTION 12: Ecological information

### 12.1. Toxicity

|                   |                                                                                                                        |
|-------------------|------------------------------------------------------------------------------------------------------------------------|
| Ecology - general | : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment. |
|-------------------|------------------------------------------------------------------------------------------------------------------------|

### 12.2. Persistence and degradability

No additional information available

### 12.3. Bioaccumulative potential

No additional information available

### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

|                                            |                                                                                               |
|--------------------------------------------|-----------------------------------------------------------------------------------------------|
| Regional waste regulation                  | : Disposal must be done according to official regulations.                                    |
| Waste treatment methods                    | : Dispose of contents/container in accordance with licensed collector's sorting instructions. |
| Sewage disposal recommendations            | : Disposal must be done according to official regulations.                                    |
| Product/Packaging disposal recommendations | : Disposal must be done according to official regulations.                                    |
| Additional information                     | : Flammable vapors may accumulate in the container. Do not re-use empty containers.           |

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### SECTION 14: Transport information

#### Department of Transportation (DOT)

In accordance with DOT

Transport document description (DOT) : UN1197 Extracts, flavoring, liquid (Regulated for Bulk only), 3, III

UN-No.(DOT) : UN1197

Proper Shipping Name (DOT) : Extracts, flavoring, liquid  
(Regulated for Bulk only)

Class (DOT) : 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120

Packing group (DOT) : III - Minor Danger

Hazard labels (DOT) : 3 - Flammable liquid



DOT Packaging Non Bulk (49 CFR 173.xxx) : 203

DOT Packaging Bulk (49 CFR 173.xxx) : 242

DOT Special Provisions (49 CFR 172.102) : B1 - If the material has a flash point at or above 38 C (100 F) and below 93 C (200 F), then the bulk packaging requirements of 173.241 of this subchapter are applicable. If the material has a flash point of less than 38 C (100 F), then the bulk packaging requirements of 173.242 of this subchapter are applicable.

IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1 and 31HA2, 31HB2, 31HN2, 31HD2 and 31HH2). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in Table 2 for UN2672).

T2 - 1.5 178.274(d)(2) Normal..... 178.275(d)(3)

TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling =  $97 / 1 + a (tr - tf)$  Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling.

DOT Packaging Exceptions (49 CFR 173.xxx) : 150

DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) : 60 L

DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) : 220 L

DOT Vessel Stowage Location : A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.

Emergency Response Guide (ERG) Number : 127

Other information : No supplementary information available.

#### Transportation of Dangerous Goods

Transport document description (TDG) : UN1197 EXTRACTS, FLAVOURING, LIQUID (Regulated for Bulk only), 3, III

UN-No. (TDG) : UN1197

Proper Shipping Name (TDG) : EXTRACTS, FLAVOURING, LIQUID

TDG Primary Hazard Classes : 3 - Class 3 - Flammable Liquids

Packing group (TDG) : III - Minor Danger

Explosive Limit and Limited Quantity Index : 5 L

Passenger Carrying Road Vehicle or Passenger Carrying Railway Vehicle Index : 60 L

#### Transport by sea

Transport document description (IMDG) : UN 1197 EXTRACTS, LIQUID, 3, III

UN-No. (IMDG) : 1197

Proper Shipping Name (IMDG) : EXTRACTS, LIQUID

Class (IMDG) : 3 - Flammable liquids

Packing group (IMDG) : III - substances presenting low danger

Limited quantities (IMDG) : 5 L

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**Air transport**

|                                       |                                    |
|---------------------------------------|------------------------------------|
| Transport document description (IATA) | : UN 1197 Extracts, liquid, 3, III |
| UN-No. (IATA)                         | : 1197                             |
| Proper Shipping Name (IATA)           | : Extracts, liquid                 |
| Class (IATA)                          | : 3 - Flammable Liquids            |
| Packing group (IATA)                  | : III - Low danger                 |

**SECTION 15: Regulatory information**

**15.1. US Federal regulations**

|                                                                           |
|---------------------------------------------------------------------------|
| <b>HELICHRYSUM OIL (8023-95-8)</b>                                        |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory |

**15.2. International regulations**

**CANADA**

|                                                       |
|-------------------------------------------------------|
| <b>HELICHRYSUM OIL (8023-95-8)</b>                    |
| Listed on the Canadian DSL (Domestic Substances List) |

**EU-Regulations**

No additional information available

**National regulations**

No additional information available

**15.3. US State regulations**

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

**SECTION 16: Other information**

Revision date : 02/17/2025

Full text of H-phrases:

|      |                                              |
|------|----------------------------------------------|
| H226 | Flammable liquid and vapor                   |
| H304 | May be fatal if swallowed and enters airways |
| H315 | Causes skin irritation                       |
| H317 | May cause an allergic skin reaction          |

SDS US (GHS HazCom 2012)

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*