

MATERIAL SAFETY DATA SHEET

HELICHRYSUM OIL (EAST EUROPE)

1 Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product Identifier

HELICHRYSUM OIL EAST EUROPE

1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

1.3 Details of the Supplier of the Safety Data Sheet

G. Baldwin & Co.

173 Walworth Road,

LONDON, ENGLAND. SE17 1RW.

Telephone: +44 (0) 207 703 5550 Fax: +44 (0)207 252 6264

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Web: www.baldwins.co.uk

1.4. Emergency telephone number

Emergency tel: +44 (0) 207 703 5550

(office hours only)

2 Hazards Identification

2.1 Classification of the Substance or Mixture:

In Compliance with EC Regulation

No. 1272/2008 and its Amendments

Flammable liquid, Category 3.

Skin sensitisation, Category 1.

Aspiration hazard, Category 1.

Hazardous to the aquatic environment –Acute hazard, Category 2.

Hazardous to the aquatic environment –Chronic hazard, Category 2.

2.2 Label Elements:

In Compliance with EC Regulation No. 1272/2008 and its Amendments:

Hazard Pictograms:

Signal Word DANGER

H226 Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H317 May cause an allergic skin reaction.

H411 Toxic to aquatic life with long lasting effects.

Product Identifiers

601-029-007A

PERCENT HYDROCARBONS

PINENES (ALPHA OR BETA)

(R)-P-MENTHA-1,8-DIENE

Hazard Statements:

Precautionary Statements:

P210 Keep away from heat/sparks/open flames/hot surfaces. –No smoking.

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P303+P361+P353 IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.

P331 Do NOT induce vomiting.

P391 Collect spillage.

2.3 Other Hazards

No data available.

3 Composition/Information on Ingredients

3.1 Substances

No substances fulfil the criteria set forth in Annex II Section A of the REACH regulation (EC) No. 1907/2006.

3.2 Mixtures:

Composition:

Identification Name Classification %

PINENES (ALPHA OR BETA)

GHS09, GHS07, GHS08, GHS02

Dgr

H226, H304, H317, H410

10 -25

INDEX: 601-029-00-7

CAS: 5989-27-5

EC: 227-813-5

(R)-P-MENTHA-1,8-DIENE GHS02, GHS07, GHS09

Wng

H226, H315, H317, H410

○ -2.5

CAS: 78-70-6

EC: 201-134-4

LINALOOL

GHS02, GHS07

Wng

H226, H315

○ -2.5

4 First Aid Measures

4.1 Description of First Aid Measures

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing in an unconscious person.

Skin Contact: Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner. Watch out for any remaining product between skin and clothing, watches, shoes, etc.

In the event of an allergic reaction, seek medical attention. If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital.

Ingestion: Do not give the patient anything orally. In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor. Seek medical attention immediately, showing the label. If swallowed accidentally, do not allow to drink, do not induce vomiting and transfer to hospital immediately by ambulance. Show the label to the doctor.

4.2 Most Important Symptoms and Effects, Both Acute and Delayed

No data available.

4.3 Indication of Immediate Medical Attention and Special Treatment Needed

No data available.

<h3>5 Fire-fighting Measures</h3>
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Flammable.

Chemical powders, Carbon dioxide and other extinguishing gas are suitable for small fires.

5.1 Extinguishing Media

In the event of fire, use specifically suitable extinguishing agents. Never use water. Keep packages near the fire cool, to prevent pressurised containers from bursting.

Suitable Methods of Extinction

Prevent the effluent of fire-fighting measures from entering drains or waterways.

Unsuitable Methods of Extinction

In the event of a fire, do not use: Water

5.2 Special Hazards Arising from the Substance or Mixture

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health. Do not breathe in smoke.

5.3 Advice for Fire-fighters

Fire-fighting personnel are to be equipped with autonomous insulating breathing apparatus.

6 Accidental Release Measures

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

Consult the safety measures listed under headings 7 and 8.

For Non Fire-fighters: avoid any contact with the skin and eyes

For Fire-fighters: Fire-fighters will be equipped with suitable personal protective equipment. (See Section 8).

6.2 Environmental Precautions

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways. If the product contaminates waterways, rivers or drains, alert the relevant authorities in accordance with statutory procedures. Use drums to dispose of collected waste in compliance with current regulations. (See Section 13).

6.3 Methods and Material for

Containment and Cleaning Up

Clean preferably with a detergent, do not use solvents.

6.4 Reference to Other Sections

No data available.

7 Handling and Storage

Requirements relating to storage premises apply to all facilities where the substance is handled.

Individuals with a history of skin sensitisation should not, under any circumstances, handle this substance.

7.1 Precautions for Safe Handling

Always wash hands after handling. Remove and wash contaminated clothing before re-using. Remove contaminated clothing and protective equipment before entering eating areas.

Fire Prevention Handle in well-ventilated areas. Prevent the formation of flammable or explosive concentrations in air and avoid vapour concentrations higher than the occupational exposure limits. Never inhale this substance. Prevent the accumulation of electrostatic charges with connections to earth. The mixture can become electrostatically charged; always earth during decanting operations. Wear antistatic shoes and clothing and floors should be electrically conductive. Use the mixture in premises free of naked flames or other sources of ignition and ensure that electrical equipment is suitably protected. Keep packages tightly closed and away from sources of heat, sparks and naked flames. Do not use tools which may produce sparks. Do not smoke.

Prevent access by unauthorised personnel.

Recommended Equipment and Procedures

For personal protection, see Section 8.

Observe precautions stated on label and also industrial safety regulations. Never pour water into this mixture.

Prohibited Equipment and Procedures:

No smoking, eating or drinking in areas where the substance is used. Never open packages under pressure.

7.2 Conditions for Safe Storage, Including any Incompatibilities

No data available.

Storage Keep the container tightly closed in a dry place. Keep the container tightly closed in a dry, well-ventilated place.

Keep away from food and drink, including those for animals. Keep away from all sources of ignition –do not smoke. Keep well away from all sources of ignition, heat and direct sunlight. Avoid accumulation of electrostatic charges.

Packaging Always keep in packaging made of an identical material to the original.

7.3 Specific End Use(s)

No data available.

8 Exposure controls/personal protection

8.1 Control Parameters

No data available.

8.2 Exposure Controls:

Personal Protection Measures, such as Personal Protective Equipment

Use personal protective equipment that is clean and has been properly maintained. Store personal protective equipment in a clean place, away from the work area. Never eat, drink or smoke during use. Remove and wash contaminated clothing before reusing.

Ensure that there is adequate ventilation, especially in confined areas.

Eye/Face Protection Avoid contact with eyes. Use eye protectors designed to protect against liquid splashes. Before handling, wear safety goggles in accordance with standard EN166.

Hand Protection Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374. Gloves must be selected according to the application and duration of use at the workstation. Protective gloves need to be selected according to their suitability for the workstation in question: Other chemical products that may be handles, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.

Recommended properties: Impervious gloves in accordance with standard EN374.

Body Protection Avoid skin contact. Wear suitable protective clothing. Suitable type of protective clothing: In the event of substantial spatter, wear liquid-tight protective clothing against chemical risks (type 3) in accordance with EN14605 to prevent skin contact. In the event of a risk of splashing, wear protective clothing against chemical risks (type 6) in accordance with EN13034 to prevent skin contact. Work clothing worn by personnel shall be laundered regularly. After contact with the product, all parts of the body that have been soiled must be washed.

9 Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties

General information:

Physical State Fluid liquid.

Important Health, Safety and Environmental Information:

pH Not relevant.

Boiling Point/Boiling Range Not relevant.

Vapour Pressure (50°C) Not relevant.

Density < 1

Water Solubility Insoluble.

Viscosity $\nu < 7 \text{ mm}^2/\text{s}$ (40°C)

Melting Point/Melting Range Not relevant.

Self-ignition Temperature Not relevant.

Decomposition Point/Decomposition Range Not relevant.

9.3 Other Information

No data available.

10 Stability and Reactivity

10.1 Reactivity

No data available.

10.2 Chemical Stability

This mixture is stable under the recommended handling and storage conditions in Section 7.

10.3 Possibility of Hazardous Reactions

No data available.

10.4 Conditions to Avoid

Any apparatus likely to produce a flame or to have a metallic surface at high temperature (burners, electric arcs, furnaces, etc.) must not be allowed on the premises. Avoid accumulation of electrostatic charges, heating, heat, flames and hot surfaces, humidity. Protect from moisture. Reaction with water can cause an exothermic reaction.

10.5 Incompatible Materials

Keep away from water.

10.6 Hazardous Decomposition

The thermal decomposition may release/form:

Products

Carbon monoxide (CO), Carbon dioxide (CO₂).

<h2>II Toxicological Information</h2>
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II.1 Information on Toxicological Effects

Repeated or prolonged contact with the mixture may cause removal of natural oil from the skin resulting in non-allergic contact dermatitis and absorption through the skin. May cause an allergic reaction by skin contact. Aspiration toxicity includes severe effects such as chemical pneumonia, varying degrees of pulmonary injury or death following aspiration.

Mixture No toxicological data available for the mixture.

Respiration or Skin Sensitisation May cause an allergic skin reaction.

Aspiration Hazard May be fatal if swallowed and enters airways.

Aspiration toxicity includes severe acute effects such as chemical pneumonia, varying degrees of pulmonary injury or death following aspiration.

Monograph(s) from the IARC

(International Agency for

Research on Cancer)

CAS 5989-27-5: CIRC Group 3: The agent is not classifiable as to its carcinogenicity to humans.

12 Ecological Information

12.1 Toxicity

Toxic to aquatic life with long lasting effects. The product must not be allowed to run into drains or waterways.

Substances No aquatic toxicity data available for the substances.

Mixtures No aquatic toxicity data available for the mixture.

12.2 Persistence and Degradability

No data available.

12.3 Bioaccumulative Potential

No data available.

12.4 Mobility in Soil

No data available.

12.5 Results of PBT and vPvB Assessment

No data available.

12.6 Other Adverse Effects

No data available.

13 Disposal Considerations

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1 Waste Treatment Methods

Do not pour into drains or waterways.

Waste

Waste management is carried out without endangering human health, without harming the environment and, in particular, without risk to water, air, soil, plants or animals. Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company. Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled Packaging Empty container completely. Keep label on container.

Give to a certified disposal contractor.

14 Transport information

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2015, IMDG 2014, ICAO/IATA 2015).

14.1 UN Number 1169

14.6 Special Precautions for User:

ADR/RID Class Code Pack gr. Label Ident. LQ Provis. EQ Cat. Tunnel

3 F1 III 3 30 LQ7 601 640E E1 3 D/E

14.2 UN Proper Shipping Name EXTRACTS, AROMATIC, LIQUID

14.3 Transport Hazard Class(es) 3

14.4 Packing Group III

14.5 Environmental Hazards Environmentally hazardous material.

14.6 Transport in Bulk According to Annex II of MARPOL73/78 and the IBC Code

No data available.

IMDG Class 2°Label Pack gr. LQ EMS Provis. EQ

3 -III 5L F-E, S-D 223 955 EI

IATA Class 2°Label Pack gr. Passenger Passenger Cargo Cargo Note EQ

3 -III 355 60 L 366 220 L A3 EI

3 -III Y344 10 L --A3 EI

15 Regulatory Information

15.1 Safety, Health and Environmental Regulations/ Legislation Specific for the Substance or Mixture

No data available.

15.2 Chemical Safety Assessment

No data available.

16 Other Information

16.1 Wording of the Phrases Mentioned in Section 3:

H226 Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H410 Very toxic to aquatic life with long lasting effects.

16.2 Abbreviations:

ADR European agreement concerning the international carriage of dangerous goods by road.

IMDG International Maritime Dangerous Goods.

IATA International Air Transport Association.

ICAO International Civil Aviation Organisation.

RID Regulations concerning the International carriage of Dangerous goods by rail.

WGK Water Hazard Class.

WARNING/DISCLAIMER:

Since the user's working conditions are not known to us, the information supplied on this Safety Data Sheet is based on our current level of knowledge and on national and community regulations. The mixture must not be used for other uses than those specified in Section I without first obtaining written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations. The information in this Safety Data Sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.



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