

# Safety data sheet

## according to Regulation (EC) No. 1907/2006



Printing date 20.09.2012

Version number 3

Revision: 20.09.2012

### 1 Identification of the substance/mixture and of the company/undertaking

- **Product identifier**

- **Trade name:** HYPERICON OIL ethereal

- **Article number:** 1051

- **CAS Number:**  
84082-80-4

- **EC number:**  
282-026-4

- **Registration number**

A registration number is not available for this substance as the substance or its use are exempted from registration according to Article 2 REACH Regulation (EC) No 1907/2006, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.

- **Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.

- **Application of the substance / the preparation** Laboratory chemical

- **Details of the supplier of the safety data sheet**

- **Manufacturer/Supplier:**  
Carl Roth GmbH + Co.KG  
Schoemperlenstraße 3-5  
76185 Karlsruhe  
Germany

Telefon: +49/(0)721 5606-0

Telefax: +49/(0)721 5606-149

e-mail: [sicherheit@carlroth.de](mailto:sicherheit@carlroth.de)

- **Further information obtainable from:** Department Health, Safety and Environment

- **Emergency telephone number:** Poison Centre Munich

Telefon +49/(0)89 19240

### 2 Hazards identification

- **Classification of the substance or mixture**

- **Classification according to Regulation (EC) No 1272/2008**

Flam. Liq. 3	H226	Flammable liquid and vapour.
Asp. Tox. 1	H304	May be fatal if swallowed and enters airways.
Aquatic Chronic 2	H411	Toxic to aquatic life with long lasting effects.
Acute Tox. 4	H302	Harmful if swallowed.
Skin Irrit. 2	H315	Causes skin irritation.
Eye Irrit. 2	H319	Causes serious eye irritation.

- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**

Xn; Harmful

R22-65: Harmful if swallowed. Harmful: may cause lung damage if swallowed.

Xi; Irritant

R36/38: Irritating to eyes and skin.

F; Highly flammable

R11: Highly flammable.

N; Dangerous for the environment

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

- **Label elements**

- **Labelling according to Regulation (EC) No 1272/2008**

The substance is classified and labelled according to the CLP regulation.

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## · Hazard pictograms



## · Signal word Danger

## · Hazard statements

- H226 Flammable liquid and vapour.
- H302 Harmful if swallowed.
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H304 May be fatal if swallowed and enters airways.
- H411 Toxic to aquatic life with long lasting effects.

## · Precautionary statements

- P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
- P273 Avoid release to the environment.
- P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
- P331 Do NOT induce vomiting.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

## · Other hazards

All chemicals are potentially dangerous. They should only be handled by specially trained personnel.

## · Results of PBT and vPvB assessment

- PBT: Not applicable.
- vPvB: Not applicable.

### 3 Composition/information on ingredients

## · Chemical characterization: Substances

## · CAS No. Description

84082-80-4 Hypericon oil

## · Identification number(s)

· EC number: 282-026-4

### 4 First aid measures



## · Description of first aid measures

· **General information:** Remove any clothing soiled by the product.

· **After inhalation:**

Supply fresh air.

After inhalation of vapors / aerosols:

Take affected persons into fresh air and keep quiet.

Seek medical treatment in case of complaints.

· **After skin contact:**

Wash with water and soap.

If there is any trouble seek medical help.

· **After eye contact:**

Rinse opened eye for 10 minutes under running water. If symptoms persist, consult a doctor.

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- **After swallowing:**  
Rinse out mouth and drink a glass of water. Do not induce vomiting.  
Risk of aspiration!  
Call for a doctor immediately.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

## 5 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**  
Use fire extinguishing methods suitable to surrounding conditions.  
CO<sub>2</sub>, powder, foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards arising from the substance or mixture**  
In the event of fire development of hazardous combustion gases or vapours possible.  
In case of fire, the following can be released:  
Nitrogen oxides (NO<sub>x</sub>)  
Sulphure oxides (SO<sub>x</sub>)  
Carbon monoxide and carbon dioxide
- **Advice for firefighters**
- **Protective equipment:**  
Wear self-contained respiratory protective device.  
Wear fully protective suit.
- **Additional information** Prevent fire-fighting water from entering surface water or groundwater.

## 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**  
Wear protective clothing.  
Do not inhale vapours. Avoid contact with the eyes and skin.  
Particular danger of slipping on leaked/spilled product.
- **Environmental precautions:** Do not allow to enter sewers/ground water or penetrate the soil.
- **Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (e.g. Rotisorb® Art.-Nr. 1710.1).  
Dispose of the material collected according to regulations.  
Ensure adequate ventilation.
- **Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

## 7 Handling and storage

- **Handling:**
- **Precautions for safe handling** Ensure good ventilation/exhaustion at the workplace.
- **Information about fire - and explosion protection:**



Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

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- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:**
  - Keep container tightly sealed.
  - Protect from exposure to the light.
  - Storage temperature: +15°C - +25 °C
- **Specific end use(s)** No further relevant information available.

## 8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:** Not required.
- **Additional information:** The lists valid during the making were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
  - Do not eat, drink or smoke while working.
  - Avoid contact with the eyes and skin.
  - Wash hands before breaks and at the end of work.
- **Individual protection measures**
  - Protective clothing needs to be selected specifically for the workplace, depending on concentrations and quantities of the hazardous substances handled. The chemical resistance of the protective equipment should be enquired at the respective supplier.
- **Respiratory protection:** When vapours/aerosols are generated.
- **Protection of hands:**



The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**
  - Nitrile, thickness >0,3 mm.
  - The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.
- **Penetration time of glove material**
  - Value for the permeation: Level ≥ 6
  - The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:**



Tightly sealed goggles

- **Body protection:** Protective work clothing

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## 9 Physical and chemical properties

· <b>Information on basic physical and chemical properties</b>	
· <b>General Information</b>	
· <b>Appearance:</b>	
Form:	Oily
Colour:	Light yellow to gold-coloured
· <b>Odour:</b>	Characteristic
· <b>Odour threshold:</b>	Not determined.
· <b>pH-value:</b>	Not determined.
· <b>Change in condition</b>	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	Undetermined.
· <b>Flash point:</b>	> 45°C
· <b>Flammability (solid, gaseous):</b>	Not applicable.
· <b>Ignition temperature:</b>	No information available
· <b>Decomposition temperature:</b>	No information available
· <b>Self-igniting:</b>	No information available
· <b>Danger of explosion:</b>	Forms explosive mixtures with air at elevated temperatures.
· <b>Explosion limits:</b>	
Lower:	Not determined.
Upper:	Not determined.
· <b>Oxidizing properties:</b>	No information available.
· <b>Vapour pressure:</b>	Not determined.
· <b>Density at 20°C:</b>	0.82 g/cm <sup>3</sup>
· <b>Relative density</b>	No Information available.
· <b>Vapour density</b>	Not determined.
· <b>Evaporation rate</b>	Not determined.
· <b>Solubility in / Miscibility with water:</b>	Not miscible or difficult to mix.
· <b>Partition coefficient (n-octanol/water):</b>	Not determined.
· <b>Viscosity:</b>	
Dynamic:	Not determined.
Kinematic:	Not determined.
· <b>Other information</b>	No further relevant information available.

## 10 Stability and reactivity

- **Reactivity**
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used and stored according to specifications.
- **Possibility of hazardous reactions** Forms explosive mixtures with air at elevated temperatures.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** Strong oxidizing agents.
- **Hazardous decomposition products:** In case of fire: see item 5.

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## 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **LD/LC50 values relevant for classification:** Quantitative data on the toxicity of this product are not available.
- **Specific symptoms in biological assay:** No information available.
- **Primary irritant effect:**
- **on the skin:** Irritant to skin and mucous membranes.
- **on the eye:**  
Irritating effect.  
May cause temporary discomfort.
- **after inhalation:** Irritations in the respiratory tract, coughing, dyspnoea.
- **Sensitization:** Risk of photosensitization after contact with substance.
- **Acute toxicity after single exposure:**  
After swallowing:  
irritations in the mouth  
Nausea
- **Subacute to chronic toxicity:** No information available.
- **Further information:**  
Further hazardous properties cannot be excluded.  
The product should be handled with the care usual when dealing with chemicals.
- **Aspiration hazard:** May cause lung damage if swallowed. Risk of aspiration.
- **Toxicokinetics, metabolism and distribution** No information available.
- **Acute effects (acute toxicity, irritation and corrosivity)** No information available.
- **Sensitisation** No information available.
- **Repeated dose toxicity** No information available.
- **CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)** No information available

## 12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** Quantitative data on the ecological effect of this product are not available.
- **Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** May be accumulated in organism
- **Mobility in soil** No further relevant information available.
- **Ecotoxicological effects:**
- **Remark:** Do not allow to enter waters, waste water, or soil!
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

## 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**  
This material and its container must be disposed of as hazardous waste.  
The disposal is regionally differently regulated, therefore the kind of disposal is to be inquired at the responsible authorities.

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- **Uncleaned packaging:**
- **Recommendation:** Disposal according to official regulations.

## 14 Transport information

<ul style="list-style-type: none"> <li>· UN-Number</li> <li>· ADR, IMDG, IATA</li> </ul>	UN1993
<ul style="list-style-type: none"> <li>· UN proper shipping name</li> <li>· ADR</li> <li>· IMDG</li> <li>· IATA</li> </ul>	1993 FLAMMABLE LIQUID, N.O.S. (not viscous) (Hypericon oil), ENVIRONMENTALLY HAZARDOUS FLAMMABLE LIQUID, N.O.S. (Hypericon oil), MARINE POLLUTANT FLAMMABLE LIQUID, N.O.S. (Hypericon oil)
<ul style="list-style-type: none"> <li>· Transport hazard class(es)</li> <li>· ADR, IMDG</li> </ul>	<div style="display: flex; align-items: center; gap: 10px;">   </div>
<ul style="list-style-type: none"> <li>· Class</li> <li>· Label</li> </ul>	3 Flammable liquids. 3
<ul style="list-style-type: none"> <li>· IATA</li> </ul>	<div style="display: flex; align-items: center; gap: 10px;">  </div>
<ul style="list-style-type: none"> <li>· Class</li> <li>· Label</li> </ul>	3 Flammable liquids. 3
<ul style="list-style-type: none"> <li>· Packing group</li> <li>· ADR, IMDG, IATA</li> </ul>	III
<ul style="list-style-type: none"> <li>· Environmental hazards:</li> <li>· Marine pollutant:</li> <li>· Special marking (ADR):</li> </ul>	Environmentally hazardous substance, liquid; Marine Pollutant No Symbol (fish and tree) Symbol (fish and tree)
<ul style="list-style-type: none"> <li>· Special precautions for user</li> <li>· Danger code (Kemler):</li> <li>· EMS Number:</li> </ul>	Warning: Flammable liquids. 30 F-E,S-E
<ul style="list-style-type: none"> <li>· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</li> </ul>	Not applicable.
<ul style="list-style-type: none"> <li>· Transport/Additional information:</li> </ul>	<hr style="border-top: 1px dashed black;"/> <ul style="list-style-type: none"> <li>· ADR</li> <li>· Limited quantities (LQ)</li> <li>· Transport category</li> <li>· Tunnel restriction code</li> <li>· Remarks:</li> </ul>
<ul style="list-style-type: none"> <li>· Limited quantities (LQ)</li> <li>· Transport category</li> <li>· Tunnel restriction code</li> <li>· Remarks:</li> </ul>	5L 3 D/E Not subject to transport regulations.

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· <b>UN "Model Regulation":</b>	UN1993, FLAMMABLE LIQUID, N.O.S. (not viscous) (Hypericon oil), ENVIRONMENTALLY HAZARDOUS, 3, III
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### 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **National regulations:**
- **Information about limitation of use:** Employment restrictions concerning juveniles must be observed.
- **Waterhazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Department issuing MSDS:** Department: Health, Safety and Environment
- **Contact:** Herr Dr. Hagel
- **Abbreviations and acronyms:**
  - RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
  - IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
  - ICAO: International Civil Aviation Organization
  - ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)
  - ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
  - IMDG: International Maritime Code for Dangerous Goods
  - IATA: International Air Transport Association
  - GHS: Globally Harmonized System of Classification and Labelling of Chemicals
  - EINECS: European Inventory of Existing Commercial Chemical Substances
  - CAS: Chemical Abstracts Service (division of the American Chemical Society)
- **\* Data compared to the previous version altered.**