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EMAIL: [info@nhrorganicoils.com](mailto:info@nhrorganicoils.com) Web Site: [www.nhrorganicoils.com](http://www.nhrorganicoils.com)

## *Safety Data Sheet*

# **Organic Milk Thistle Oil**

### *(Silybum marianum)*

Revision date: 15.05.2018

#### **SECTION 1: Identification of the substance/mixture and of the company/undertaking**

##### **1.1. Product identifier**

Milk Thistle Oil

##### **Further trade names**

Milk Thistle Seed Oil Cold Pressed, Organic  
Milk Thistle Oil Cold Pressed, Non Organic

CAS No: EC No:

84604-20-6

283-298-7

##### **1.2. Relevant identified uses of the substance or mixture and uses advised against**

###### **Use of the substance/mixture**

Manufacture of food products, Cosmetics, personal care products

##### **1.3. Details of the supplier of the safety data sheet**

NHR Organic Oils  
24 Chatham Place  
Brighton, BN1 3TN  
Tel : +44 1273 746505  
E-mail : [info@nhrorganicoils.com](mailto:info@nhrorganicoils.com)

##### **1.4. Emergency telephone number:**

###### **Further Information**

REACH Status:

Poison Emergency Centre Munich Tel +49 (0)89 / 19 240

This product is exempt from registration according to Annex IV and V, paragraph 9 of Regulation (EC) No 1907/2006.

#### **SECTION 2: Hazards identification**

##### **2.1. Classification of the substance or mixture**

###### **Regulation (EC) No. 1272/2008**

This substance is not classified as hazardous in accordance with Regulation (EC) No. 1272/2008.

##### **2.2. Label elements**

##### **2.3. Other hazards**

No information available.



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### **SECTION 3: Composition/information on ingredients**

#### **3.1. Substances**

##### **Chemical characterization**

INCI-Name: SILYBUM MARIANUM SEED OIL

### **SECTION 4: First aid measures**

#### **4.1. Description of first aid measures**

##### **After inhalation**

Provide fresh air.

##### **After contact with skin**

Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse.

##### **After contact with eyes**

Rinse immediately carefully and thoroughly with eye-bath or water.

##### **After ingestion**

Rinse mouth immediately and drink plenty of water. Observe risk of aspiration if vomiting occurs.

#### **4.2. Most important symptoms and effects, both acute and delayed**

No information available.

#### **4.3. Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

### **SECTION 5: Firefighting measures**

#### **5.1. Extinguishing media**

##### **Suitable extinguishing media**

extinguishing powder, carbon dioxide, foam, sand or earth

##### **Unsuitable extinguishing media**

Water

#### **5.2. Special hazards arising from the substance or mixture**

difficult to ignite

In case of fire may be liberated: carbon black, Carbon monoxide, Carbon dioxide.

#### **5.3. Advice for firefighters**

In case of fire: Wear self-contained breathing apparatus.

##### **Additional information**

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

### **SECTION 6: Accidental release measures**

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

Remove all sources of ignition. Special danger of slipping by leaking/spilling product.

#### **6.2. Environmental precautions**

Do not allow to enter into surface water or drains. If large quantities are released, inform the competent authorities.

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



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Cover drains. Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).  
Treat the recovered material as prescribed in the section on waste disposal.

#### **6.4. Reference to other sections**

Safe handling: see section 7  
Personal protection equipment: see section 8  
Disposal: see section 13

### **SECTION 7: Handling and storage**

#### **7.1. Precautions for safe handling**

##### **Advice on safe handling**

Special danger of slipping by leaking/spilling product.

##### **Advice on protection against fire and explosion**

Not readily combustible. Keep away from sources of ignition - No smoking.

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

##### **Requirements for storage rooms and vessels**

Store in a dry, well-ventilated place and protect from heat or direct sunlight.

##### **Advice on storage compatibility**

Do not store together with: Oxidizing agent

##### **Further information on storage conditions**

Recommended storage temperature: 10-30°C

#### **7.3. Specific end use(s)**

Manufacture of food products, Cosmetics, personal care products

### **SECTION 8: Exposure controls/personal protection**

#### **8.1. Control parameters**

#### **8.2. Exposure controls**

##### **Protective and hygiene measures**

Take off contaminated clothing. Wash hands before breaks and after work. When using do not eat or drink.

##### **Eye/face protection**

Not mandatory.

##### **Hand protection**

Not mandatory.

##### **Skin protection**

Wear suitable protective clothing.

##### **Respiratory protection**

Respiratory protection required only when vapours and spray mist are present. filter: A Colour code: brown

### **SECTION 9: Physical and chemical properties**

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

Physical state: Colour: Odour:



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liquid yellow  
characteristic

pH-Value: not applicable

#### **Changes in the physical state**

Melting point:

Initial boiling point and boiling range: Flash point:

Ignition temperature:

ca. -15 °C

> 230 °C

> 130 °C

> 200 °C

Decomposition temperature: > 300 °C

#### **Oxidising properties**

Not oxidising.

Vapour pressure: Density:

not determined 0,91 - 0,93 g/cm<sup>3</sup>

Water solubility: The study does not need to be conducted because  
the substance is known to be insoluble in water

#### **Solubility in other solvents**

Soluble in: non-polar organic solvents

Partition coefficient: > 6

### **SECTION 10: Stability and reactivity**

#### **10.1. Reactivity**

No hazardous reaction when handled and stored according to provisions.

#### **10.2. Chemical stability**

The product is stable under storage at normal ambient temperatures.

#### **10.3. Possibility of hazardous reactions**

Reacts with strong oxidizing agents. Fire hazard.

#### **10.4. Conditions to avoid**

Avoid humidity and exposure of light and air. Keep away from sources of heat and ignition. Protect from direct sunlight.

#### **10.5. Incompatible materials**

No information available.

#### **10.6. Hazardous decomposition products**

Thermal decomposition from 300°C.

Carbon monoxide, Carbon dioxide, Hydrocarbons, gaseous.

### **SECTION 11: Toxicological information**



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### **11.1. Information on toxicological effects**

#### **Additional information on tests**

The substance is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

## **SECTION 12: Ecological information**

### **12.1. Toxicity**

The product is not: Ecotoxic.

### **12.2. Persistence and degradability**

Biodegradable.

### **12.3. Bio accumulative potential**

The product has not been tested.

### **12.4. Mobility in soil**

The product has not been tested.

### **12.5. Results of PBT and vPvB assessment**

The product has not been tested.

### **12.6. Other adverse effects**

No information available.

#### **Further information**

Avoid release to the environment.

## **SECTION 13: Disposal considerations**

### **13.1. Waste treatment methods**

#### **Advice on disposal**

Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation.

#### **Contaminated packaging**

The completely emptied packaging, which has been cleaned with soap and water, can be disposed of via household waste.

## **SECTION 14: Transport information**

### **14.6. Special precautions for user**

No information available.

### **14.7. Transport in bulk according to Annex II of Marpol and the IBC Code**

not applicable

## **SECTION 15: Regulatory information**

### **15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

#### **EU regulatory information**

2004/42/EC (VOC):  
Information according to 2012/18/EU  
(SEVESO III):

Water contaminating class (D):

#### **15.2. Chemical safety assessment**

#### **National regulatory information**



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100 % (920 g/l)

Not subject to 2012/18/EU (SEVESO III)

generally, water contaminating

For this substance a chemical safety assessment has not been carried out.

#### SECTION 16: Other information

##### Abbreviations and acronyms

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

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

##### Further Information

The information is based on present level of our knowledge. It does not, however, given assurances of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.