Safety Data Sheet
Organic Sunflower Oil (*Helianthus annuus*)

Revision date: 24.04.2018

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

1.1. Product identifier

Sunflower Oil

Further trade names

- Sunflower Oil Deodorised, Organic
- Sunflower Oil Deodorised, Organic, Demeter
- Sunflower Seed Oil Deodorized, Winterized, Organic
- Sunflower Oil High Oleic, Deodorised, Organic
- Sunflower Oil, High Oleic, RBDW, Organic
- Sunflower Oil Cold Pressed, Organic
- Sunflower Oil Cold Pressed, Organic, demeter
- Sunflower Oil Crude Organic, CO2 Extraction
- Sunflower Oil Crude, BIOSUISSE ORGANIC, Cold Pressed
- Sunflower Oil Crude, Cold Pressed, Organic

CAS No: 8001-21-6
EC No: 232-273-9

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

1.4. Emergency telephone number:

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

Further Information

REACH Status:
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.

SECTION 3: Composition/information on ingredients

3.1. Substances
Chemical characterization
NCI-Name: HELIANTHUS ANNUUS 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
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: Oxidising 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 vapors and spray mist are present. filter: A Color code: brown

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties
- **Physical state:** liquid
- **Colour:** light yellow to yellow
- **Odour:** characteristic

  **pH-Value:** not applicable

- **Changes in the physical state**
  - **Melting point:** ca. -15 °C
  - **Initial boiling point and boiling range:** > 230 °C
  - **Flash point:** > 130 °C
  - **Ignition temperature:** > 200 °C
Decomposition temperature: > 300 °C
Oxidizing properties: Not oxidising.

Vapour pressure: Density: not determined 0,91 - 0,93 g/cm³
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. Firehazard.

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

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. Bioaccumulative 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): 100 % (920 g/l)
Information according to 2012/18/EU Not subject to 2012/18/EU (SEVESO III)
(SEVESO III):

National regulatory information
Water contaminating class (D): generally water contaminating

15.2. Chemical safety assessment
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, give assurances of product properties and establishes no contract legal rights. The receiver of our product is singulary responsible for adhering to existing laws and regulations.