

## MATERIAL SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

### 1 Identification of substance

**Product details:**

**Trade name:** SUNFLOWER OIL

**INCI Name:** Helianthus Annuus Oil

**Application of the substance / the preparation:**

Cosmetic raw material

**Supplier/Manufacturer:** CREMER OLEO GmbH & Co. KG  
Glockengiesserwall 3  
D-20095 Hamburg

Tel.: +49-40-32011-0

Fax: +49-40-321757

**Email competent person:** quality47@cremer-gruppe.com

**Information department:** See supplier/manufacturer

**Emergency information:** Giftinformationszentrale  
Göttingen Tel.: +49-551-19240

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### 2 Hazards identification

**Hazard description:** not applicable

**Information pertaining to particular dangers for man and environment:**

According to current European laws and regulations the product is not dangerous or toxic material (based on the available data).

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### 3 Composition/information on ingredients

**Chemical characterization:**

**CAS No. Description:** 8001-21-6 Sunflower oil

**Identification number(s):**

**EINECS Number:** 232-273-9

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### 4 First aid measures

**General information:** No special measures required

**After inhalation:** void  
**After skin contact:** Wash with water and soap.

**After eye contact:** Rinse opened eye for several minutes under running water.

**After swallowing:** If symptoms occur or after swallowing of larger quantities consult a Doctor.

**Information for doctor:**

**Treatment:** Symptomatic treatment

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### **5 Fire fighting measures**

**Suitable extinguishing agents:**

CO2, extinguishing powder or water spray  
Fight larger fires with water spray or alcohol resistant foam.  
Use fire fighting measures that suit the environment.

**For safety reasons unsuitable extinguishing agents:**

Water

**Special hazards caused by the material, its products of combustion or resulting gases:**

Dangerous decomposition product see chapter 10: stability and reactivity.

**Protective equipment:** Wear self-contained respiratory protective device.

**Additional information:** Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

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### **6 Accidental release measures**

**Person-related safety precautions:**

Not required.  
Particular danger of slipping on leaked/spilled product.

**Measures for environmental protection:**

Do not allow product to reach sewage system or any water course.

**Measures for cleaning/collecting:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Send for recovery or disposal in suitable receptacles.

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## **7 Handling and storage**

### **Handling:**

**Information for safe handling:** Risk of spitting if hot substance comes into contact with water  
Handle heated substance with care - risk of burning!

### **Information about protection against explosions and fires:**

Keep ignition sources away - Do not smoke.  
Risk of ignition when welding empty containers

### **Storage:**

#### **Requirements to be met by storerooms and receptacles:**

Prevent any seepage into the ground.

#### **Information about storage in one common storage facility:**

High affinity to lipophilic solvents

#### **Further information about storage conditions:**

None

**Storage class:** 10 Combustible liquids

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## **8 Exposure controls and personal protection**

### **Additional information about design of technical systems:**

No further data; see item 7.

### **Components with limit values that require monitoring at the workplace:**

Not required

**Additional information:** The lists that were valid during the creation were used as basis.

### **Personal protective equipment:**

#### **General protective and hygienic measures:**

The usual precautionary measures should be adhered to when handling chemicals.

**Breathing equipment:** Not required.

**Protection of hands:** Not required  
At longer contact: protective gloves

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  
 After use of gloves apply skin-cleaning agents and skin cosmetics  
 When handling the heated product use heat-resistant gloves

**Material of gloves:** 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:**

The exact break-through time has to be found out by the manufacturer of the protective gloves and has to be observed

**Eye protection:** Not required

**Body protection:** Protective work clothing.

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**9 Physical and chemical properties:**

**General Information:**

**Form:** Fluid

**Colour:** slightly yellowish

**Odour:** neutral  
Characteristic

**Change in condition:** Value/Range Unit Method

**Melting point/Melting range:** < 0 ° C

**Boiling point/Boiling range:** > 350 ° C

**Flash point:** > 320 ° C

**Auto-ignition:** in finely dispersed form  
e.g. bleaching earth or insulating material and the like

**Danger of explosion:** Product does not present an explosion hazard

**Vapour pressure:** at 20 ° C < 1 mbar

**Density:** at 20 ° C 0.88 g/ml

**Solubility in / Miscibility with Water:**

Insoluble

**Additional information:** Soluble in lipophilic solvents

#### **10 Stability and reactivity**

**Thermal decomposition / conditions to be avoided:**

No decomposition if used and stored according to specifications.

**Dangerous reactions:** No dangerous reactions known

**Dangerous products of decomposition:**

In the case of fire or at high temperatures the formation of the following decomposition products is possible:  
Carbon monoxide and carbon dioxide  
Acrolein

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#### **11 Toxicological information**

**Acute toxicity:**

**LD/LC50 values that are relevant for classification:**

No adverse effects known

**Primary irritant effect:**

**on the skin:** No irritating effect

**on the eye:** No irritating effect

**Sensitization:** No sensitizing effects known

**Additional toxicological information:**

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.  
The substance is not subject to classification according to the latest version of the EU lists.

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#### **12 Ecological information**

**Information about elimination (persistence and degradability):**

**Other information:** The product is readily biodegradable

**Ecotoxicological effects:**

**Aquatic toxicity:** The product is insoluble in water therefore is it by appropriate application not dangerous to water organisms

**General notes:** Not hazardous for water according to VwVwS (German regulation) appendix 1 dated 17.05.1999.

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### 13 Disposal considerations

**Product:**

**Recommendation:** Disposal according to instructions of local authorities.

**Uncleaned packagings:**

**Recommendation:** Disposal must be made according to official regulations.

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### 14 Transport information

**Land transport ADR/RID (cross-border):**

**ADR/RID class:** No hazardous good according to the regulation.

**Maritime transport IMDG:**

**IMDG Class:** No hazardous good according to the regulation.

**Air transport ICAO-TI and IATA-DGR:**

**ICAO/IATA Class:** No hazardous good according to the regulation.

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### 15 Regulations

**Markings according to EC guidelines:**

Observe the general safety regulations when handling chemicals  
The substance(product)is not subject to classification according to EC-directives and other sources of literature known to us

**National regulations:**

**Water hazard class:** Not hazardous for water  
Code No. according to catalog of water endangering substances: 760

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**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

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