

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Heliaflor®

Revision date: 25.02.2020

Page 1 of 7

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

### 1.1. Product identifier

Heliaflor®

#### Further trade names

Heliaflor® Sunflower Flour, organic  
Heliaflor® 45, organic  
Heliaflor® 55, organic  
Heliaflor® 45  
Heliaflor® 55  
Heliaflor® Extrufix D, organic  
Heliaflor® Extrufix W, organic  
Heliaflor® Sunflower Mince, organic  
Heliaflor® Cereal Pure, organic  
Heliaflor® Cereal Choco, organic  
Heliaflor® Cereal Vanilla, organic

CAS no: 84776-03-4 / 800-21-6

EC no: - / 232-273-9

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

#### Use of the substance/mixture

food and fodder additive  
Industrial use of food, beverage and pharmacos products

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

Company Name:	All Organic Treasures GmbH	
Street:	Am Mühlbach 38	
Place:	D-87487 Wiggensbach	
Telephone:	+49 (0) 8370 922 80-0	Telefax: +49 (0)8370-922 80-99
e-Mail:	info@aot.de	
Internet:	www.aot.de	

**1.4. Emergency telephone number:** Poison Emergency Center Munich Tel +49 (0)89 / 19 240

## 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

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

Signal word:

-

Pictograms:

-

Hazard statements

-

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Heliaflor®

Revision date: 25.02.2020

Page 2 of 7

#### Precautionary statements

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P241	Use explosion-proof electrical/ventilating/lighting equipment.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P284	Wear respiratory protection.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P342+P311	If experiencing respiratory symptoms: Call a POISON CENTER/doctor.
P501	Dispose of contents/container to the legal requirements according to the disposal.

#### Special labelling of certain mixtures

May form explosible dust-air mixture if dispersed.

#### 2.3. Other hazards

No information available.

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

##### Chemical characterization

INCI: HELIANTHUS ANNUUS SEED EXTRACT

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### General information

In case of allergic symptoms, especially in the breathing area, seek medical advice immediately.

##### After inhalation

Provide fresh air. If breathing is irregular or stopped, administer artificial respiration. Medical treatment necessary.

##### 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. In case of eye irritation consult an ophthalmologist.

##### After ingestion

Rinse mouth immediately and drink plenty of water. In case of discomfort consult a doctor. Medical treatment necessary.

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

Allergic reactions, Allergic anaphylactic shock

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

Treat symptomatically.

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Heliaflor®

Revision date: 25.02.2020

Page 3 of 7

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### **Suitable extinguishing media**

Water spray jet, extinguishing powder, alcohol resistant foam, carbon dioxide. Fight larger fires with water spray or alcohol resistant foam.

#### **Unsuitable extinguishing media**

High power water jet.

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

difficult to ignite

Fine dust clouds can form explosive mixtures with air.

Dust explosive, Dust explosion category: ST 1

Minimum ignition temperature of a 5 mm dust layer (glowing temperature) 275°C

BZ 4: Glowing without sparks (smoldering) or slow decomposition without flame.

Special danger of slipping by leaking/spilling product.

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**

Suppress gases/vapours/mists with water spray jet.

## SECTION 6: Accidental release measures

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

Provide adequate ventilation. Avoid dust formation. Do not breathe dust. Avoid contact with skin, eyes and clothes. Remove all sources of ignition. Take action to prevent static discharges. Use personal protection equipment.

### 6.2. Environmental precautions

No special environmental measures are necessary. Clean contaminated articles and floor according to the environmental legislation.

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

Take up mechanically. Take up dust-free and set down dust-free. 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**

If handled uncovered, arrangements with local exhaust ventilation have to be used. Avoid dust formation. Do not breathe dust. Ventilation systems with dust filters.

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

Not readily combustible. Keep away from sources of ignition - No smoking. Danger of dust explosion: A dust explosion is possible as a consequence of an electrostatic discharge. Fine dust clouds can form explosive mixtures with air. Dust explosive, Dust explosion category: ST 1 A dust explosion is possible as a consequence of an electrostatic discharge. Minimum ignition temperature of a 5 mm dust layer (glowing temperature) 275°C BZ 4: Glowing without sparks (smoldering) or slow decomposition without flame.

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

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Heliaflor®

Revision date: 25.02.2020

Page 4 of 7

#### Requirements for storage rooms and vessels

Store in a well-closed container in a cool, dry place.

#### Further information on storage conditions

-

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

food and fodder additive  
use of food and beverage products

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### Exposure limits (EH40)

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
-	Flour dust	-	10		TWA (8 h)	WEL
		-	30		STEL (15 min)	WEL

#### Additional advice on limit values

Preventive industrial medical examinations are to be carried out.

#### 8.2. Exposure controls

##### Appropriate engineering controls

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe dust.

##### Protective and hygiene measures

Take off contaminated clothing. Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat or drink.

##### Eye/face protection

Wear eye protection/face protection.

##### Hand protection

Not mandatory.

##### Skin protection

Wear suitable long-sleeved protective clothing.

##### Respiratory protection

In case of insufficient ventilation and/or dust formation respiratory protection is required. Particulate filter. The protection level (P1 - P3) is to be defined as a function of the workplace - related limit values and the actual exposure.

### SECTION 9: Physical and chemical properties

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

Physical state: solid  
 Colour: beige to brown  
 Odour: characteristic  
 pH-Value (at 20 °C):

##### Changes in the physical state

Melting point: not applicable  
 Initial boiling point and boiling range: not applicable  
 Flash point: not applicable

##### Flammability

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Heliaflor®

Revision date: 25.02.2020

Page 5 of 7

Solid: ~400 °C  
 Gas: not applicable

#### Explosive properties

May form combustible dust concentrations in air.  
 Dust explosive, Dust explosion category: ST 1  
 A dust explosion is possible as a consequence of an electrostatic discharge.  
 Minimum ignition temperature of a 5 mm dust layer (glowing temperature) 275°C  
 BZ 4: Glowing without sparks (smoldering) or slow decomposition without flame.

Lower explosion limits: 33 vol. %  
 Upper explosion limits: 100 vol. %  
 Ignition temperature: ~400 °C

#### Auto-ignition temperature

Solid: >180 °C  
 Gas: not applicable

Decomposition temperature: >400 °C

#### Oxidizing properties

Not oxidising.

Vapour pressure: not determined

Density: 0,6 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

not determined

Partition coefficient: not determined

Vapour density: not determined

Evaporation rate: not determined

#### 9.2. Other information

Solid content: 100,00 %

### 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

May form combustible dust concentrations in air.

#### 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

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

### SECTION 11: Toxicological information

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Heliaflor®

Revision date: 25.02.2020

Page 6 of 7

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

##### **Acute toxicity**

Based on available data, the classification criteria are not met.

##### **Irritation and corrosivity**

Based on available data, the classification criteria are not met.

##### **Sensitising effects**

Based on available data, the classification criteria are not met.

##### **Carcinogenic/mutagenic/toxic effects for reproduction**

Based on available data, the classification criteria are not met.

##### **STOT-single exposure**

Based on available data, the classification criteria are not met.

##### **STOT-repeated exposure**

Based on available data, the classification criteria are not met.

##### **Aspiration hazard**

Based on available data, the classification criteria are not met.

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

The substance is classified as not hazardous according to Regulation (EC) No 1272/2008.

#### **SECTION 12: Ecological information**

##### **12.1. Toxicity**

The product is not: Ecotoxic.

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

Biodegradable.

##### **12.3. Bioaccumulative potential**

No bioaccumulation is to be expected.

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

The product has not been tested.

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

This mixture does not contain any substances that are assessed as PBT or vPvB.

##### **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.

###### **Waste disposal number of waste from residues/unused products**

020110 WASTES FROM AGRICULTURE, HORTICULTURE, AQUACULTURE, FORESTRY, HUNTING AND FISHING, FOOD PREPARATION AND PROCESSING; wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing; waste metal

###### **Contaminated packaging**

This material and its container must be disposed of as hazardous waste. Handle contaminated packages in the same way as the substance itself.

#### **SECTION 14: Transport information**

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Heliaflor®

Revision date: 25.02.2020

Page 7 of 7

#### **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**

Information according to 2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III)

##### **National regulatory information**

Employment restrictions:

Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).

Water contaminating class (D):

awg - 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 singularly responsible for adhering to existing laws and regulations.