Safety Data Sheet
Organic Amaranth Seed Oil
(Amaranthus caudatus)

Revision date: 26.11.2018

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

1.1. Product identifier
Amaranth Seed Oil

Further trade names
Amaranth Seed Oil CO2 Extraction, Organic - stabilized with 0,05% rosemary antioxidants extract, organic

<table>
<thead>
<tr>
<th>INCI</th>
<th>CAS no</th>
<th>EINECS no</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amaranthus Caudatus Seed Extract</td>
<td>223747-79-3</td>
<td>-</td>
</tr>
<tr>
<td>Rosmarinus Officinalis Leaf Extract</td>
<td>84604-14-8</td>
<td>283-291-9</td>
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</tbody>
</table>

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

Company name: NHR Organic Oils
Street: 24 Chatham Place
Place: Brighton
UK
Telephone: 0044 01273 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:
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
INCI-Name: AMARANTHUS CAUDATUS SEED EXTRACT / ROSMARINUS OFFICINALIS LEAF EXTRACT

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:** 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: not determined
Density: not determined

**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

#### 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**

<table>
<thead>
<tr>
<th>Regulation</th>
<th>Value</th>
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<tbody>
<tr>
<td>2004/42/EC (VOC):</td>
<td>100 % (920 g/l)</td>
</tr>
<tr>
<td>Information according to 2012/18/EU (SEVESO III):</td>
<td>Not subject to 2012/18/EU (SEVESO III)</td>
</tr>
</tbody>
</table>

**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.