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

1.1. Product identifier

**Daikon Seed Extract**  
Chemical name: Radish, ext.  
INCI name: Raphanus Sativus Seed Extract

<table>
<thead>
<tr>
<th>CAS No.</th>
<th>EC No.</th>
<th>INDEX No.</th>
<th>REACH No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>84775-94-0</td>
<td>283-918-6</td>
<td></td>
<td>This substance is exempted from Registration according to the provisions of Article 2(7) and Annex V of REACH</td>
</tr>
</tbody>
</table>

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

**Relevant identified uses:**  
Cosmetic raw material  
Manufacture of cosmetic products  
Use of cosmetic products

**Uses advised against:**  
none

1.3. Details of the supplier of the safety data sheet

**Manufacturer**  
Natural Plant Products, Inc.  
707 13th Street SE, Suite 275  
Salem, OR  97301, USA

**Information contact**  
Natural Plant Products, Inc.  
Information telephone: +1 503 363 6402  
Information telefax: +1 503 587 8717  
E-mail (competent person): mmartinez@meadowfoam.com  
Website: [http://www.meadowfoam.com](http://www.meadowfoam.com)

**Only representative**  
REACh ChemAdvice GmbH  
Am Marktplatz 5  
D-65779 Kelkheim (Taunus)  
GERMANY

**Information contact**  
REACh ChemAdvice GmbH  
Information telephone: +49 (0) 6195 96 19 90  
Information telefax: +49 (0) 6195 96 19 933  
E-mail (competent person): info@reach-chemadvice.com  
Website: [http://www.reach-chemadvice.com/](http://www.reach-chemadvice.com/)

1.4. Emergency telephone number

Natural Plant Products, Inc.  
Telephone: +1 503 363 6402  
This number is serviced during office hours.

SECTION 2: Hazards identification
2.1. Classification of the substance or mixture
Regulation (EC) No 1272/2008: -
Directive 67/548/EEC: -

2.2. Label elements
Classification according to Regulation (EC) No. 1272/2008 [CLP]
Hazard pictograms: -
Signal word: -
Hazard statements: -
Precautionary statements: -

Classification according to Directive 67/548/EEC or 1999/45/EC
Hazard symbols: -
R-phrases: -
S-phrases: -

2.3. Other hazards
No risks worthy of mention.

SECTION 3: Composition / information on ingredients

3.1. Substances
Natural plant extract.

3.2. Mixtures
not applicable

Composition/information on ingredients

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-no.</th>
<th>CAS-No.</th>
<th>INDEX no.</th>
<th>REACH-no.</th>
<th>Concentration</th>
<th>Classification: EC</th>
<th>Classification: 67/548/EEC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Radish, ext.</td>
<td>283-918-6</td>
<td>84775-94-0</td>
<td></td>
<td></td>
<td>≤ 100 (w/w)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Substance with a common (EC) occupational exposure limit value

(Full text of R-, H- and EUH-phrases: see section 16.)

Additional information
none

SECTION 4: First aid measures

4.1. Description of first aid measures
General information: In case of accident or if you feel unwell, seek medical advice immediately (show safety data sheet if possible). Take off immediately all contaminated clothing.

Following inhalation: Move victim to fresh air. Put victim at rest and keep warm. Seek medical attention if problems persist.

Following skin contact: After contact with skin, wash immediately with plenty of water and soap. In case of skin irritation, seek medical treatment.

After eye contact: No special measures are necessary. In case of eye irritation consult an
After ingestion: Rinse mouth immediately and drink large quantities of water. Seek medical attention if problems persist.

Self-protection of the first aider: No special measures are necessary.

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

Symptoms: No symptoms known up to now.
Nature of Hazard: No risks worthy of mention.

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

Notes for the doctor: Have victim drink large quantities of water, with active charcoal if possible.
Special treatment: First Aid, decontamination, treatment of symptoms.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Carbon dioxide (CO2). Dry extinguishing powder. Foam.

5.2. Special hazards arising from the substance or mixture


5.3. Advice for firefighters

General information
Move undamaged containers from immediate hazard area if it can be done safely.

Special protective equipment 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
 Wear personal protection equipment. Guide people to safety. Provide adequate ventilation. Remove all sources of ignition. High slip hazard because of leaking or spilled product.

6.2. Environmental precautions
 Do not empty into drains or the aquatic environment. Do not allow to enter into soil/subsoil.

6.3. Methods and material for containment and cleaning up
Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the assimilated material according to the section on waste disposal. Avoid generation of dust. Clear contaminated area thoroughly.

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

Advices on safe handling
Avoid contact with eyes.

Technical measures
Provide for sufficient ventilation and punctiform suction at critical points.

Precautions against fire and explosion
Usual measures for fire prevention.

Additional information
none

7.2. Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions
No special technical protective measures are necessary.

Packaging materials
Keep/Store only in original container.

Requirements for storage rooms and vessels
Keep/Store only in original container. Keep container tightly closed.

Hints on joint storage
Do not store together with: Oxidizing agents. Keep away from food, drink and animal feedingstuffs.

Storage class: 10 Combustible liquids unless LGK 3A or 3B.

Further information on storage conditions
Protect against: heat. UV-radiation/sunlight.

7.3. Specific end use(s)

Observe instructions for use.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th>Substance</th>
<th>CAS-No.</th>
<th>Source</th>
<th>Occupational exposure limit value</th>
<th>Limitation of exposure peaks</th>
<th>Remark</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Substance with a common (EC) occupational exposure limit value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Substance</td>
</tr>
<tr>
<td>-----------</td>
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</table>

<table>
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<tr>
<th>DNEL-/PNEC-values</th>
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<tbody>
<tr>
<td>DNEL value</td>
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<tr>
<td>Substance</td>
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</table>

<table>
<thead>
<tr>
<th>PNEC Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Substance</td>
</tr>
<tr>
<td>-----------</td>
</tr>
</tbody>
</table>

Risk management measures according to used control banding approach
none
Additional information
Does not contain substances above concentration limits fixing an occupational exposure limit.

8.2. Exposure controls
Occupational exposure controls
Technical measures and the application of adequate working methods take priority over the use of personal protection equipment.

General protection and hygiene measures
Do not eat, drink, smoke or sneeze at the workplace. Wash hands before breaks and at the end of work. Apply skin care products after work. Wash contaminated clothing prior to re-use.

Personal protection equipment
Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500.

Respiratory protection
Respiratory protection not required.

Hand protection
Tested protective gloves are to be worn: German Industry Norms (DIN) / European Norms (EN): DIN EN 374

Eye/face protection
Tightly sealed safety glasses.

Body protection
For the protection against direct skin contact, body protective clothing is essential (in addition to the usual working clothes). Only wear fitting, comfortable and clean protective clothing. Barrier creams are not substitutes for body protection.

Environmental exposure controls
refer to chapter 7. No further action is necessary.

Consumer exposure controls
refer to chapter 7. No further action is necessary.

Exposure Scenario
none

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| Appearance | Physical state: | liquid |
| Colour: | yellow - golden |
| Odour: | characteristic like: oil. |
| Odour threshold: | No data available |

| Safety relevant basis data | parameter | unit | remark |
| Density: | No data available |
| Bulk density: | not applicable |
| pH: | not applicable |
| Melting point/freezing point: | 12 °C |
| Initial boiling point and boiling | No data available |
range:
Flash point: 340 °C
Flammability (solid, gas): No data available
Explosivity: No data available
   Lower explosion limit: No data available
   Upper explosion limit: No data available
Ignition temperature: No data available
Decomposition temperature: No data available
Oxidizing potential: not applicable
Vapour pressure: No data available
Vapour density: No data available
Evaporation rate: not applicable
Water solubility: not miscible
Fat solubility: complete miscible
Soluble in: not applicable
Partition coefficient: n-octanol/water: No data available
Viscosity: at °C: 40 42.4 cSt
Solvent separation test: No data available
Solvent content: No data available

9.2. Other information
none

SECTION 10: Stability and reactivity

10.1. Reactivity
none

10.2. Chemical stability
With proper storage and handling the product is stable.

10.3. Possibility of hazardous reactions
none

10.4. Conditions to avoid
heat. UV-radiation/sunlight.

10.5. Incompatible materials
Oxidizing agents.

10.6. Hazardous decomposition products

   Additional information
none

SECTION 11: Toxicological information

11.1. Information on toxicological effects
No information available.

   Acute toxicity

<table>
<thead>
<tr>
<th>Substance:</th>
<th>CAS-No.:</th>
<th>Toxicological information</th>
</tr>
</thead>
<tbody>
<tr>
<td>EN - 01.12.13</td>
<td>Page 6 of 10</td>
<td></td>
</tr>
</tbody>
</table>
Specific symptoms in laboratory animals
No information available.

Irritation and etching
   Irritant effect on the skin
      Not an irritant.
   Irritant effect on the eye
      Not an irritant.
   Irritant effect on the respiratory tract
      Not an irritant.
   Additional information
      not corrosive

Sensitization
no danger of sensitization.

Repeated dose toxicity (subacute, subchronic, chronic)
No information available.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)
   Carcinogenicity
      No indications of human carcinogenicity exist.
   Germ cell mutagenicity
      No indications of human germ cell mutagenicity exist.
   Reproductive toxicity
      No indications of human reproductive toxicity exist.

General remarks
none

Practical experience/human evidence
none

Other observations
none

Other information
none

SECTION 12: Ecological information

12.1. Toxicity
No information available.

Ecotoxicity

<table>
<thead>
<tr>
<th>Substance:</th>
<th>CAS-No.:</th>
<th>Ecotoxicity</th>
</tr>
</thead>
</table>

12.2. Persistence and degradability
   Easily biodegradable (concerning to the criteria of the OECD)

12.3. Bioaccumulative potential
   No indication of bio-accumulation potential.

12.4. Mobility in soil
none
12.5. Results of PBT and vPvB assessment
This substance does not meet the criteria for classification as PBT or vPvB.

12.6. Other adverse effects
none

Further ecological information
Do not empty into drains or the aquatic environment. Do not allow to enter into soil/subsoil.

Further details
none

SECTION 13: Disposal Considerations

13.1. Waste treatment methods
Appropriate disposal/Product
Waste disposal according to EC Directives 75/442/EEC and 91/689/EEC on waste and hazardous waste in their latest versions.

Appropriate disposal / Package
Cleaned containers may be recycled. Handle contaminated packaging in the same way as the substance itself.

List of proposed waste codes/waste designations in accordance with EWC
According to EAKV, allocation of waste identity numbers/waste descriptions must be carried out in a specific way for every industry and process.

Waste code product: 20 01 26 - oil and fat other than those mentioned in 20 01 25
Waste code packaging: 15 01 06 - mixed packaging

remark
Waste disposal according to official state regulations.

SECTION 14: Transport Information

14.1. UN number
UN No.: none

14.2. UN proper shipping name
Official directive for the transport
none

Proper Shipping name
none

14.3. Transport hazard class(es)
Hazard label(s): none  Classification code: none

14.4. Packing group
Packing group: none
14.5. Environmental hazards
   Environmental hazards: none

14.6. Special precautions for user
   Land transport (ADR/RID)
   Remark: Not a hazardous material with respect to these transportation regulations.
   Transport category: none  Tunnel restriction code: none
   Special provisions: none  Limited quantity (LQ): none

   Sea transport (IMDG)
   Special Provisions: none
   Remark: Not a hazardous material with respect to these transportation regulations.
   EmS-No: none  MFAG: none  Marine pollutant: none
   Special provisions: none  Limited quantity (LQ): none

   Air transport (ICAO-TI / IATA-DGR)
   Remark: Not a hazardous material with respect to these transportation regulations.
   Limited quantity (LQ): none

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
   Remark: none

SECTION 15: Regulatory information

   Labeling
   Hazardous component(s) for labelling
   Radish, ext.

   Special labelling of particular preparations
   Safety data sheet available for professional user on request.

15.1. Safety, health and environmental regulations/legislation specific for the
   substance or mixture
   EU legislation
   Information according to 1999/13/EC about limitation of emissions of volatile organic compounds
   (VOC-guideline).
   none

   Regulation (EC) No 2037/2000 concerning materials, which cause damage to the ozone layer.
   none

   Regulation (EC) No. 648/2004 (Detergents regulation)
   none

   National regulations
   Observe in addition any national regulations!

   Restrictions of occupation
   none

   Storage class
   10  Combustible liquids unless LGK 3A or 3B.

   Water hazard class (WGK)
   1  weak water pollutant (WGK 1)

   Other regulations, restrictions and prohibition regulations
15.2. Chemical Safety Assessment
For this preparation a chemical safety assessment has been carried out: -
For this substance a chemical safety assessment is not required.

SECTION 16: Other information

Relevant R-, H- and EUH-phrases (Number and full text)
Hazard statements
- 

R-phrases
- 

Training advice
none

Recommended restrictions of use
refer to chapter 1.

Further remarks
The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

Documentation of changes
none

Key literature references and sources for data
Data arise from reference works and literature.

Abbreviations and acronyms
none