



Shay and Company
10639 SE Fuller Rd
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Ph: 503-653-1155
info@shayandcompany.com

SAFETY DATA SHEET

Version: 1.0

Revision Date: May 24, 2022

1. Product and Company Identification:

Daikon Seed Extract

Chemical name: Radish, ext.

EU INCI name: Raphanus Sativus Seed Extract

US INCI name: Raphanus Sativus (Radish) Seed Extract

CAS No.: 84775-94-0, 8001-21-6, & 84604-14-8

EC No.: 283-918-6, 232-273-9, & 283-291-9

INDEX No.:

REACH No.: This substance is exempted from Registration according to the provisions of Article 2(7) and Annex V of REACH (EC 283-918-6, 232-273-9) and because the final component (283-291-9) is imported into the EU at a volume less than 1,000 kg.

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/ Supplier (manufacturer/importer/downstream user/distributor)

Natural Plant Products, LLC 707 13th Street SE, Suite 290 Salem, OR 97301 USA

Telephone: +1 503 363 6402 Telefax: +1 503 587 8717

E-mail (competent person): mmartinez@meadowfoam.com

Website: <http://www.meadowfoam.com>

1.4. Emergency telephone number

Natural Plant Products, LLC - Telephone: +1 503 363 6402

This number is serviced during office hours.

2. Hazard Identification:

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008: - Directive 67/548/EEC: -



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2.2. Label elements

Classification according to Regulation (EC) No. 1272/2008 [CLP] Hazard pictograms:
 Signal word: n/a
 Hazard statements: n/a
 Precautionary statements: n/a

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

2.3. Other hazards

No risks worthy of mention.

3. Composition/Information on Ingredients:

- 3.1. Substances- Natural plant extract.
- 3.2. Mixtures- not applicable

Composition/information on ingredients

Substance	EC-no	CAS no	INDEX no	REACH no	Concentration	Classification: EC-1272/2008(CLP)	Classification: 67/548/EEC
Radish, Ext	283-918-6	84775-94-0			99.70%		
Sunflower Oil	232-273-9	8001-21-6			0.27-0.29%		
Rosemary Seed Ext	283-291-9	84604-14-8			0.01-0.03%		

Substance with a common (EC) occupational exposure limit value- n/a

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

Additional information
 None

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.



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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 ophthalmologist.

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.

5. Fire Fighting Measures:

5.1 Extinguishing Media

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

Unsuitable extinguishing media: Water fog. High power water jet. Water.

5.2. Special hazards arising from the substance or mixture

Pyrolysis products, toxic. Carbon dioxide. Carbon monoxide.

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.

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



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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

7. Handling and Storage:

7.1. Precautions for safe handling

Advice 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 feeding stuffs.

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.

8. Exposure Controls/Personal Protection:

8.1. Control parameters

Occupational Exposure Limit: n/a

Biological Exposure Limit: n/a

Ventilation: n/a

Respiratory Protection: n/a

Eye Protection: n/a

Skin Protection: n/a



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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

9. Physical and Chemical Properties:

9.1. Information on basic physical and chemical properties

10. Stability and Reactivity:

Appearance

Physical state: liquid

Color: yellow-golden

Odor: characteristic, like oil

Odor threshold: n/a

Safety relevant basis data

Density:	No Data Available
Bulk density:	N/a
pH:	n/a
Melting point/freezing point:	12°C
Initial boiling point and boiling range:	No Data Available
Flash point:	340°C
Flammability (solid, gas):	No Data Available
Explosivity:	No Data Available
Lower explosion limit:	No Data Available



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Upper explosion limit:	No Data Available
Ignition temperature:	No Data Available
Decomposition temperature:	No Data Available
Oxidizing potential:	N/A
Vapour pressure:	No Data Available
Vapour density:	No Data Available
Evaporation rate:	N/A
Water solubility:	Not miscible
Fat solubility:	Complete Miscible
Soluble in:	n/a
Partition coefficient: n-octanol/water:	No Data Available
Viscosity:	at 40°C - 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: none

10.6. Hazardous decomposition products: Pyrolysis products, toxic. Carbon monoxide. Carbon dioxide.

Additional information: none

11. Toxicological Information:

11.1. Information on toxicological effects: none

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



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Practical experience/human evidence: none
Other observations: none
Other information: none

12. Ecological Information:

12.1. Toxicity: none

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

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.

14. Transportation Information:

14.1. UN number: none

14.2. UN proper shipping name:

Official directive for the transport: none

Proper Shipping name: none

14.3. Transport hazard class(es):

Hazard labels: none

Classification code: none

14.4. Packing group: none

14.5. Environmental hazards: none

14.6. Special precautions for user:

Land transport (ADR/RID): Not a hazardous material with respect to these transportation regulations.

Air transport (ICAO-TI / IATA-DGR): Not a hazardous material with respect to these transportation regulations.



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

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: none

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.

16. Other Information:

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

Hazard statements: n/a

R-phrases: n/a

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.



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Abbreviations and acronyms: none

The information provided above is intended only as a guide to the appropriate precautionary handling of the item. It is the responsibility of the customer and user to ensure it has in place provisions for the safe and proper handling of the material. Shay and Company believes the above information to be accurate based on the information available, however, it is the responsibility of the customer and user of the material to perform its own investigation and due diligence prior to use to verify that the product purchased from Shay and Company meets their quality requirements and is appropriate for the use to which the product is to be put.