GREEN VALLEY LABORATORY

Safety Data Sheet

16-section SDS format aligned with OSHA Hazard Communication Standard Appendix D / GHS structure

SECTION 1 - Identification

Product Identifier	Alkanet Root RBR Extract
INCI Name	Alkanna Tinctoria Root Extract, Oryza Sativa (Rice) Bran Oil, Tocopherol
Recommended Use	Manufacturing and cosmetic purposes: cosmetic and personal-care ingredient.
Restrictions on Use	For professional / manufacturing use. Not intended for direct consumer use as supplied unless assessed and labeled for that use.

1.3 Details of the supplier of the Safety Data Sheet

Supplier Name	Green Valley Laboratory
Address	435 Hartford Pike, Killingly, CT 06241, USA
Contact	Help@dauphineorganics.com
Phone	n/a

1.4 Emergency telephone number

Emergency Phone No.	CHEMTREC Emergency Call Center +1 800-424-9300 (US & Canada) - +1 703-527-3887 (Europe)

SECTION 2 - Hazard Identification

GHS Classification	Not classified as hazardous. None of the components is classified as hazardous in the component safety data reviewed, and no component is present at a level that would classify the mixture.
Signal Word	None.
Hazard Pictogram(s)	None required.
Hazard Statement(s)	None required based on available information.
Precautionary Statement(s)	Avoid contact with eyes. Avoid prolonged or repeated skin contact. Use with adequate ventilation. Wash hands thoroughly after handling. Keep container closed when not in use.
Other Hazards	Oil-based material may create a slipping hazard if spilled. Combustible at elevated temperatures. Botanical extracts may cause irritation or sensitization in susceptible individuals.

SECTION 3 - Composition / Information on Ingredients

Component / INCI Name	CAS No.	Concentration (%)	Function / Description
Oryza Sativa (Rice) Bran Oil	68553-81-1	86.0 - 90.0	Carrier oil / emollient

Alkanna Tinctoria Root Extract	517-88-4 / 23444-65-7 / 85251-58-7	10.0 - 13.0	Botanical root extract / colorant component
Tocopherol	1406-18-4	0.1 - 0.3	Antioxidant (mixed tocopherols: alpha, beta, gamma and delta)

Alkanet root is macerated in rice bran oil. The botanical extract range is stated on the basis of the dried root charged to the maceration. No component is classified as hazardous based on the component safety data reviewed.

SECTION 4 - First Aid Measures

Inhalation	Move person to fresh air. If breathing is difficult or symptoms persist, seek medical attention.
Skin Contact	Wash with soap and water. Remove contaminated clothing. Seek medical attention if irritation, redness, or sensitization occurs.
Eye Contact	Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Seek medical attention if irritation persists.
Ingestion	Rinse mouth. Do not induce vomiting unless directed by medical personnel. Seek medical attention if symptoms occur.
Most Important Symptoms / Effects	May cause mild eye or skin irritation. Susceptible individuals may experience allergic-type skin response.
Indication of Immediate Medical Attention	Treat symptomatically.

SECTION 5 - Fire Fighting Measures

Suitable Extinguishing Media	Foam, carbon dioxide, dry chemical, or water spray/fog appropriate for surrounding fire.
Unsuitable Extinguishing Media	Do not use a direct high-pressure water stream on burning oil.
Specific Hazards	Combustion may produce carbon monoxide, carbon dioxide, smoke, and irritating decomposition products.
Special Protective Equipment	Firefighters should wear self-contained breathing apparatus and full protective clothing.
Additional Information	Cool exposed containers with water spray. Prevent contaminated fire-fighting water from entering drains or waterways.

SECTION 6 - Accidental Release Measures

Personal Precautions	Use appropriate personal protective equipment. Avoid contact with eyes and prolonged skin contact. Remove ignition sources. Spilled oil may be slippery.
Environmental Precautions	Prevent entry into drains, sewers, soil, and waterways.
Containment / Cleanup	Contain spill. Absorb with inert non-combustible absorbent material such as sand, earth, vermiculite, or absorbent pads. Place into suitable labeled container for disposal.
Reference to Other Sections	See Section 8 for protective equipment and Section 13 for disposal information.

SECTION 7 - Handling and Storage

Precautions for Safe Handling	Handle using good industrial hygiene practices. Avoid eye contact and prolonged or repeated skin contact. Avoid inhalation of mist or vapors generated during processing. Keep away from heat, sparks, and open flame.
Hygiene Measures	Do not eat, drink, or smoke when handling. Wash hands after handling and before breaks.

Storage Conditions	Store tightly closed in a cool, dry, well-ventilated area, protected from light and away from direct sunlight, heat, ignition sources, and oxidizing materials.
Incompatibilities	Strong oxidizing agents, alkali, strong acids, metal salts.

SECTION 8 - Exposure Controls / Personal Protection

Occupational Exposure Limits	No occupational exposure limits established for the mixture based on available information.
Engineering Controls	Use adequate general ventilation. Local exhaust may be appropriate if heating, spraying, or mist generation occurs.
Eye / Face Protection	Safety glasses or chemical splash goggles recommended.
Skin Protection	Protective gloves recommended for repeated or prolonged handling. Wear protective clothing as appropriate for the operation.
Respiratory Protection	Not normally required under expected handling conditions. Use appropriate respiratory protection if aerosols, mist, or vapors are generated and ventilation is inadequate.
General Hygiene	Wash thoroughly after handling. Launder contaminated clothing before reuse.

SECTION 9 - Physical and Chemical Properties

Property	Value
Appearance	Dark red to reddish-brown oily liquid
Odor	Characteristic botanical / oily odor
Odor Threshold	No data available
pH	Not applicable / no data available
Melting Point / Freezing Point	No data available
Boiling Point / Range	No data available
Flash Point	No mixture-specific data available. Component data: rice bran oil carrier >250 °C; mixed tocopherols >90 °C
Evaporation Rate	No data available
Flammability	Not classified; combustible at elevated temperatures
Upper / Lower Flammability Limits	No data available
Vapor Pressure	No data available
Vapor Density	No data available
Relative Density	0.910 - 0.929 (20 °C, specification). Component data: mixed tocopherols ~0.932-0.955 g/cm3
Refractive Index	1.460 - 1.473 (40 °C, specification)
Solubility	Insoluble in water; soluble/dispersible in oils. Component data: rice bran oil, negligible solubility in water; mixed tocopherols, practically insoluble in water, freely soluble in ether
Partition Coefficient	No data available
Auto-Ignition Temperature	No data available
Decomposition Temperature	No data available
Viscosity	No data available

SECTION 10 - Stability and Reactivity

Reactivity	No dangerous reactivity known under normal conditions of storage and use.
Chemical Stability	Stable under recommended storage conditions.
Possibility of Hazardous Reactions	None known under normal conditions.

Conditions to Avoid	Excessive heat, light, direct sunlight, sparks, open flame, and ignition sources.
Incompatible Materials	Strong oxidizing agents. Component data (mixed tocopherols): alkali, strong acids, metal salts, oxidizing agents.
Hazardous Decomposition Products	Carbon monoxide, carbon dioxide, smoke, and irritating organic decomposition products may form during combustion or thermal decomposition.

SECTION 11 - Toxicological Information

Likely Routes of Exposure	Eye contact, skin contact, inhalation of mist/vapors if generated, accidental ingestion.
Acute Toxicity	No mixture-specific data available. Not classified based on available information. Component data: mixed tocopherols LD50 >5,000 mg/kg (oral, mouse); rice bran oil LD50 >2 g/kg (dermal, rabbit).
Skin Corrosion / Irritation	No mixture-specific data available. Prolonged or repeated contact may cause mild irritation.
Serious Eye Damage / Irritation	No mixture-specific data available. Direct contact may cause mild irritation.
Respiratory or Skin Sensitization	No mixture-specific data available. Botanical extracts may cause sensitization in susceptible individuals.
Germ Cell Mutagenicity	No mixture-specific data available. Not classified based on available information.
Carcinogenicity	No mixture-specific data available. Not classified based on available information.
Reproductive Toxicity	No mixture-specific data available. Not classified based on available information.
STOT – Single / Repeated Exposure	No mixture-specific data available. Not classified based on available information.
Aspiration Hazard	No mixture-specific data available. Not classified based on available information.

SECTION 12 - Ecological Information

Ecotoxicity	No mixture-specific data available. Avoid release to the environment.
Persistence and Degradability	No data available.
Bioaccumulative Potential	No data available.
Mobility in Soil	No data available.
PBT / vPvB Assessment	No data available for the mixture.
Other Adverse Effects	Oil film may physically affect waterways if released in significant quantities.

SECTION 13 - Disposal Considerations

Waste Treatment Methods	Dispose of contents and container in accordance with applicable local, state, federal, and international regulations.
Product Disposal	Do not discharge to drains, sewers, or waterways. Recover or recycle if feasible; otherwise use an authorized waste disposal contractor.
Container Disposal	Empty containers may retain residue. Dispose of or recycle containers in accordance with applicable regulations.

SECTION 14 - Transport Information

Regulation	UN Number	Proper Shipping Name	Class	Packing Group	Transport Hazard
DOT	Not regulated	Not regulated	Not regulated	Not regulated	Not regulated as dangerous goods
IMDG	Not regulated	Not regulated	Not regulated	Not regulated	Not regulated as dangerous goods
IATA	Not regulated	Not regulated	Not regulated	Not regulated	Not regulated as dangerous goods

Transport classification is based on available information for the supplied mixture and should be verified against the final formulation and package size before shipment.

SECTION 15 - Regulatory Information

SDS Standard Basis	Prepared using the 16-section SDS structure generally aligned with OSHA Hazard Communication Standard Appendix D and GHS-style SDS organization.
OSHA Hazard Communication	Not classified as hazardous based on available information for the mixture. This determination requires verification against final composition and current supplier data.
U.S. / International Inventories	Inventory status has not been fully determined for the mixture.
Cosmetic Use	INCI names and CAS numbers are taken from the EU CosIng database and the component safety documentation. The EU CosIng name for the carrier is Oryza Sativa Bran Oil. Cosmetic regulatory compliance must be verified for the intended jurisdiction and final finished product.

SECTION 16 - Other Information

Prepared By	Green Valley Laboratory
Revision Date	October 20, 2026
Version	2.0
Data Basis	Prepared from Green Valley Laboratory manufacturing records, component safety data for the rice bran oil carrier and mixed tocopherols, the Codex Alimentarius Standard for Named Vegetable Oils (CXS 210-1999) for rice bran oil physical characteristics, and the EU CosIng database (INCI names and CAS numbers).
Revision Summary	Version 2.0: composition ranges added to Section 3; specification density and refractive index added to Section 9; component dermal toxicity added to Section 11.

DISCLAIMER

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. The complete range of conditions or methods of use are beyond our control therefore we do not assume any responsibility and expressly disclaim any liability for any use of this product. Information contained herein is believed to be true and accurate however, all statements or suggestions are made without warranty, expressed or implied, regarding accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof. Compliance with all applicable federal, state, and local laws and local regulations remains the responsibility of the user. This safety sheet cannot cover all possible situations which the user may experience during processing. Each aspect of your operation should be examined to determine if, or where, additional precautions may be necessary. All health and safety information contained in this bulletin should be provided to your employees or customers.

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