

Arugula Leaf Extract

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 /
March 26, 2012 / Rules and Regulation

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1 PRODUCT & COMPANY IDENTIFICATION

Product Name:	Arugula Leaf Extract	Distributor:	MakingCosmetics Inc.
Synonyms:	No data available	Address:	10800 231 st Way NE Redmond, WA 98053 (USA)
INCI Name:	Glycerin, Water, Eruca Sativa Leaf Extract	Phone / Fax:	425-292-9502 / 425-292-9601
CAS Number:	56-81-5, 7732-18-5, 90028-42-5	Web:	www.makingcosmetics.com
Formula:	No data available		
Product Form:	Liquid		
Product Use:	Cosmetic use	Emergency Telephone Number:	1-800-424-9300 (Chemtrec)

2 HAZARDS IDENTIFICATION

GHS Classification: Not classified.
GHS Labeling: Not a dangerous substance according to GHS.
GHS Hazard Pictograms: None.
GHS Hazard Statements: None.
GHS Precautionary Statements: None.
Potential Health Hazards: Eyes: Not expected to be an irritant.
 Inhalation: Not expected to be an irritant.
 Skin: Not expected to be an irritant.
 Ingestion: May cause nausea, vomiting, or diarrhea.

NFPA Ratings (704):

Health	0	Minimal
Flammability	1	Slight
Reactivity	0	Minimal
Specific Hazard	N/A	

3 COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS No.</u>	<u>Weight %</u>	<u>Molecular Weight</u>
Glycerin	56-81-5	38.5 - 40.5%	Not Available
Water	7732-18-5	38.5 - 40.5%	Not Available
Eruca Sativa Leaf Extract	90028-42-5	18 - 22%	Not Available
Phenoxyethanol	122-99-6	0.9 - 1.1%	Not Available

4 FIRST AID MEASURES

Eyes: Rinse eyes with water as a precaution. If you feel unwell, seek medical advice. Treat symptomatically.
Inhalation: Remove person to fresh air and keep comfortable for breathing. If you feel unwell, seek medical advice. Treat symptomatically.
Skin: Wash skin with plenty of water. If you feel unwell, seek medical advice. Treat symptomatically.
Ingestion: Do Not Induce Vomiting. Never give anything by mouth to an unconscious person. Call a poison center /doctor/physician if you feel unwell. Treat symptomatically.

5 FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media: May be combustible at high temperatures. Use appropriate media (water spray, dry powder, foam, carbon dioxide) for surrounding environment for adjacent fire. Do not use a solid water stream as it may scatter and spread fire.

Special protective equipment & precautions for firefighters: Wear self-contained breathing apparatus and full protective clothing, including eye protection and boots. Fight fire from safe distance and protected location.

Flash Points: >212°F (>100°C)

Specific hazards arising from the chemical: No fire hazard. No direct explosion hazard. Hazardous decomposition products include carbon dioxide and carbon monoxide. See also Stability and reactivity section.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment & emergency procedures: Evacuate unnecessary personnel. Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material-damage. Ventilate spillage area. Do not try to clean up the leak without proper protective equipment. See section 8 for recommendations on the use of personal protective equipment.

Environmental precautions: Avoid liquid release into sewers/public water/environment. Notify environmental authorities in case of leak.

Methods and material for containment and cleaning up: Absorb spilled material with sand or earth. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak, if possible, without risk. Take up liquid spill into absorbent material. Dispose of materials or solid residues at an authorized site, in accordance with the regulations.

7 HANDLING & STORAGE

Precautions for safe handling: No additional hazards expected to present a significant hazard under anticipated conditions of normal use. Ensure good ventilation of the work station. Do not eat, drink, or smoke when using this product. Use good personal hygiene practice. See section 8 for recommendations on the use of personal protective equipment.

Conditions for safe storage, incl. any incompatibilities: Keep in a cool, well-ventilated place away from heat. Protect from sunlight. Store product in container of same material as original container. Store away from incompatible materials (see section 10 for incompatibilities).

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Component</u>	<u>Exposure Limits</u>	<u>Basis</u>	<u>Entity</u>
Glycerin	15 mg/m ³ (mist, total particulate)	TWA	OSHA PEL
	5 mg/m ³ (mist, respirable fraction)	TWA	OSHA PEL

TWA: Time Weighted Average over 8 hours of work.
 TLV: Threshold Limit Value over 8 hours of work.
 REL: Recommended Exposure Limit
 PEL: Permissible Exposure Limit

STEL: Short Term Exposure Limit during x minutes.
 IDLH: Immediately Dangerous to Life or Health
 WEEL: Workplace Environmental Exposure Levels
 CEIL: Ceiling

Personal Protection:

Eyes: Wear safety glasses.

Inhalation: In case of insufficient ventilation, wear suitable respiratory equipment.

Body: Wear protective gloves and suitable protective clothing.

Other: Use good personal hygiene practices. Ensure good ventilation of the work station. Avoid release to the environment. Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Liquid	Vapor Pressure:	No data available
Odor:	Characteristic	Vapor Density:	No data available
Odor Threshold:	No data available	Evaporation Rate:	No data available
Color:	Pale yellow to yellow	Flammability:	Not applicable
Molecular Weight:	No data available	Upper/lower Explosive Limit:	No data available
pH:	4 - 7	Flash Point:	>212°F (>100° C)
Boiling Point:	No data available	Specific Gravity:	No data available
Melting Point:	Not applicable	Water Solubility:	No data available
Relative Density:	1.05 - 1.2	Auto-ignition Temperature:	No data available
Partition Coefficient: n-octanol/water:	No data available	Decomposition Temperature:	No data available

Viscosity:	No data available	Explosive Properties:	None reported
Oxidizing Properties:	None reported	Metal Corrosion:	No data available

10 STABILITY AND REACTIVITY

Reactivity:	The product is non-reactive under normal conditions of use, storage, and transport.
Chemical Stability:	Stable under normal conditions.
Hazardous Polymerization:	No data available.
Conditions to Avoid:	None under recommended storage and handling conditions (see section 7).
Incompatible Materials:	No data available.
Hazardous Decomposition Products:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Possible Hazardous Reactions:	No dangerous reactions known under normal conditions of use.

11 TOXICOLOGICAL INFORMATION

Acute Toxicity:	No data available.
Skin:	Not classified.
Component	
Glycerin:	(Rabbit) LD50: > 10 g/kg.
Phenoxyethanol:	(Rat, Male/Female) LD50: 14391 mg/kg; 24 hours; 48 days. (Rabbit) LD50: 5 ml/kg.
Eyes:	No data available
Inhalation:	Not classified.
Component	
Glycerin:	(Rat) LC50: > 2.75 mg/l; 4 hours.
Phenoxyethanol:	(Rat) LC50: > 0.057 mg/l; 8 hours.
Ingestion:	Not classified.
Component	
Glycerin:	(Rat) LD50: 12600 mg/kg.
Phenoxyethanol:	(Rat, Male/Female) LD50: 1850 mg/kg body weight; 14 days (OECD 401: Acute Oral Toxicity; Experimental value). ATE US: 500 mg/kg body weight.
Symptoms/Effects:	No symptoms/effects listed under normal conditions of use for inhalation, skin contact, eye contact, or ingestion.
Carcinogenicity:	Not classified.
Teratogenicity:	No data available.
Germ Cell Mutagenicity:	Not classified.
Specific Target Organ Toxicity:	Not classified.
Reproductive Toxicity:	Not classified.
Component	
Phenoxyethanol:	(Mouse, Male/Female, F1) LOAEL ≈ 1875 mg/kg body weight. (Rat, Oral) LOAEL: 90 days; > 700 mg/kg body weight; Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents), Guideline: EU Method B.26 (Sub-Chronic Oral Toxicity Test: Repeated Dose 90-Day Oral Toxicity Study in Rodents), Guideline: EPA OPPTS 870.3100 (90-Day Oral Toxicity in Rodents). (Rat/Rabbit, Dermal) LOAEL; 90 days; > 500 mg/kg body weight; Guideline: OECD Guideline 411 (Subchronic Dermal Toxicity: 90-Day Study). (Rat/Rabbit, Dermal) NOAEL: 90 days; 500 mg/kg body weight; Guideline: OECD Guideline 411 (Subchronic Dermal Toxicity: 90-Day Study).
Skin Corrosion/Irritation:	Not classified. pH: 4 - 7.
Serious Eye Damage/Irritation:	Not classified. pH: 4 - 7.
Respiratory/Skin sensitization:	Not classified.
Aspiration Hazard:	Not classified.

12 ECOLOGICAL INFORMATION

Ecotoxicity:	The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.
Aquatic Vertebrate:	
Component	

Glycerin:	(Oncorhynchus mykiss) LC50: 51 - 57 ml/l; 96 hours; Static test.
Phenoxyethanol:	LC50 - 220 - 460 mg/l (DIN 38412: German standard methods for the examination of water, waste water and sludge, 96 hours, Leuciscus idus, Static system, Fresh water, Experimental value, Nominal concentration). (Pimephales promelas) LC50: 366 mg/l; 96 hours; Static.
Aquatic Invertebrate:	
Component	
Glycerin:	(Daphnia magna) EC50 > 10000 mg/l; 24 hours; Static system; Fresh water; Experimental value; Locomotor effect.
Phenoxyethanol:	(Daphnia magna) EC50 > 500 mg/l (Equivalent or similar to OECD 202, 48 hours, Static system, Fresh water, Experimental value, Behavior).
Terrestrial:	
Component	
Phenoxyethanol:	(Desmodesmus subspicatus) ErC50 > 100 mg/l (OECD 201: Alga, Growth Inhibition Test; 72 hours; Static system; Fresh water; Experimental value; Nominal concentration).
Persistence and Degradability:	
Component	
Glycerin:	Readily biodegradable in water. Biochemical oxygen demand (BOD): 0.87 g O ₂ /g substance. Chemical oxygen demand (COD): 1.16 g O ₂ /g substance. ThOD: 1.217 g O ₂ /g substance.
Phenoxyethanol:	Readily biodegradable in water.
Bioaccumulative Potential:	
Component	
Glycerin:	Not Bioaccumulative. Patrician coefficient n-octanol/water (Log Pow) -1.76.
Phenoxyethanol:	Low potential for bioaccumulation (Log Kow < 4). Partition coefficient n-octanol/water (Log Pow) 1.2 (Experimental value, EU Method A.8: Partition Coefficient, 23 °C)
Mobility in Soil:	
Component	
Glycerin:	Highly mobile in soil. Surface tension 63.4 mN/m (20 °C, 1000 g/l). Organic Carbon Normalized Adsorption Coefficient (Log Koc) 0.
Phenoxyethanol:	Highly mobile in soil. Surface tension: 70.7 mN/m (20 °C, 1 g/l, EU Method A.5: Surface tension). Organic Carbon Normalized Adsorption Coefficient (Log Koc) 1.6 (log Koc, OECD 121: Estimation of the Adsorption Coefficient (Koc) on Soil and on Sewage Sludge using High Performance Liquid Chromatography (HPLC), Experimental value, GLP).
PBT and vPvB Assessment:	No data available.
Other Adverse Effects:	No data available.

13 DISPOSAL CONSIDERATIONS

Waste Residues:	Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies, if necessary, before disposing of waste product.
Product Containers:	Dispose of contents/container in accordance with licensed collector's sorting instructions. Do not re-use empty containers. Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies, if necessary, before disposing of waste product container.

The information in section 13 is for the product as shipped. Use and/or alterations to the product may change the characteristics of the material and alter the waste classification and proper disposal methods

14 TRANSPORT INFORMATION

DOT (Dept. of Transportation, USA):	Not regulated for transport.
TDG (Transportation of Dangerous Goods, Canada):	Not regulated for transport.
IMDG (International Maritime Dangerous Goods):	Not regulated for transport.
IATA (International Air Transport Association):	Not regulated for transport.
ICAO (International Civil Aviation Organization):	No data available.

15 REGULATORY INFORMATION

TSCA Inventory Status:	All components of this product are present and listed as Active on the United States Environmental
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California Prop. 65:	Protection Agency Toxic Substances Control Act (TSCA) inventory, except for: Eruca Sativa Leaf Extract (CAS-No. 90028-42-5) 18 - 22%. This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm.
PA Right to know:	Glycerin (56-81-5)
NJ Right to Know:	Glycerin (56-81-5).
MA Right to Know:	Glycerin (56-81-5).
Canada (DSL):	No data available.
EU (EINECS):	No data available.
China (IECSC):	No data available.
Australia (AICS):	No data available.
Japan (ENCS):	No data available.
Philippines (PICCS):	No data available.
New Zealand (NZIoC):	No data available.

16 OTHER INFORMATION

Revision Date:	04-Oct-2024
Compliance:	This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200
Disclaimer:	This 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 other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitability & completeness of such information for his own particular use.