



Version 09.11.2018

Material Safety Data Sheet

According to EU Regulation 1907/2006 in the current version

VEGE-KERATIN

1. Identification of the substance/preparation and the company

Trade name: Vege-keratin
Utilization: Ingredient for cosmetic products
Supplier company: **Elemental SRL**, Piata Cazarmii no.15, 410188-Oradea, jud.Bihor, Romania
identification: Tel/Fax: +40259-436.755, office@elemental.eu
Emergency: RO: numar national pentru cazuri de urgenta: 021 3183606 Institutul de Sanatate Publica Bucuresti. International emergency number: +49 180 2273-112

2. Hazards Identification

According to Regulation NOM-018-STPS-2015

Classification of the product

No need for classification according to GHS criteria for this product.

Label elements

The product does not require a hazard warning label in accordance with GHS criteria.

Hazards not otherwise classified

No specific dangers known, if the regulations/notes for storage and handling are considered

3. Composition / Information on ingredients

General chemical description: Aqueous preparation of wheat protein hydrolysate.

Composition:

INCI-name:	Hydrolyzed Wheat Protein	
CAS-number:	9015-54-7 / 94350-06-8	
INCI-name:	Sodium Benzoate	Preservative, weight% 1.1
CAS-number:	532-32-1	

4. First Aid

Description of first aid measures

General advice: If adverse health effects develop seek medical attention.

If inhaled: If difficulties occur after vapour/aerosol has been inhaled, remove to fresh air and seek medical attention.

If on skin: Wash thoroughly with soap and water. If irritation develops, seek medical attention.

If in eyes: Wash affected eyes for at least 15 minutes under running water with eyelids held open. Do not rub eyes; mechanical action may cause corneal damage. If adverse health effects develop seek medical attention.

If swallowed: Rinse mouth and then drink 200-300 ml of water. Do not induce vomiting. Seek medical attention.

Most important symptoms and effects, both acute and delayed

Symptoms: No significant symptoms are expected due to the non-classification of the product.

Hazards: No hazard is expected under intended use and appropriate handling.

Indication of any immediate medical attention and special treatment needed

Note to physician Treatment: Treat symptomatically.

5. Fire-fighting Measures

Extinguishing media

Suitable extinguishing media: water spray, carbon dioxide, dry powder, foam

Special hazards arising from the substance or mixture

Hazards during fire-fighting: harmful vapours



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Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.

Advice for fire-fighters

Protective equipment for fire-fighting: Wear a self-contained breathing apparatus.

Further information: Dispose of fire debris and contaminated extinguishing water in accordance with official regulations

6. Accidental release measures:

Personal precautions, protective equipment and emergency procedures: Use personal protective clothing.

Environmental precautions

Do not discharge into drains/surface waters/groundwater.

Methods and material for containment and cleaning up

For small amounts: Pick up with suitable absorbent material. For large amounts: Dike spillage. Pump off product.

Dispose of absorbed material in accordance with regulations.

7. Handling and Storage

Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice.

Protection against fire and explosion:

Take precautionary measures against static discharges. Avoid all sources of ignition: heat, sparks, open flame.

Conditions for safe storage, including any incompatibilities

Further information on storage conditions: Keep container tightly closed and dry; store in a cool place.

Below temperature limit the product properties will change. The property change is reversible by stirring and heating.

Please refer to the product specific data sheet for further information.

Storage stability: Storage temperature: 10 - 40 °C

8. Exposure Controls and Personal Protection

No occupational exposure limits known.

Advice on system design: Ensure adequate ventilation.

Personal protective equipment

Respiratory protection: Not applicable with adequate ventilation.

Hand protection: Plastic gloves, Rubber gloves

Eye protection: Safety glasses with side-shields.

Body protection: Body protection must be chosen depending on activity and possible exposure, e.g. head protection, apron, protective boots, chemical-protection suit.

General safety and hygiene measures: Handle in accordance with good industrial hygiene and safety practice. No eating, drinking, smoking or tobacco use at the place of work. Handle in accordance with good industrial hygiene and safety practices.



9. Physical and Chemical Properties

Form:	liquid
Odour:	characteristic
Odour threshold:	not applicable
Colour:	amber
pH value:	4.0 - 5.0 (20 °C)
Melting point:	not determined
Boiling point:	> 100 °C



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Flash point:	> 101 °C
Flammability:	not flammable
Flammability of Aerosol Products	not applicable, the product does not form flammable aerosoles
Lower explosion limit:	For liquids not relevant for classification and labelling.
Upper explosion limit:	For liquids not relevant for classification and labelling.
Autoignition:	not determined
Vapour pressure:	not determined
Density:	1.0 g/cm ³ (20 °C)
Vapour density:	not applicable
Partitioning coefficient water (log Pow)	not determined
Self-ignition temperature	not applicable
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.
Viscosity, dynamic:	not determined
Viscosity, kinematic:	not determined
Solubility in water:	soluble
Evaporation rate:	not determined
Other Information:	No further information available.

10. Stability and Reactivity

Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

Oxidizing properties: not fire-propagating

Chemical stability

The product is stable if stored and handled as prescribed/indicated.

Possibility of hazardous reactions

Reacts with oxidizing agents. Reacts with bases. Reacts with strong acids.

Conditions to avoid

See MSDS section 7 - Handling and storage.

Incompatible materials

No substances known that should be avoided.

Hazardous decomposition products

Decomposition products:

Hazardous decomposition products: No hazardous decomposition products if stored and handled as prescribed/indicated.

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

11. Toxicological Information

Primary routes of exposure

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

Primary routes of entry Dermal contact. Acute Toxicity/Effects

Assessment of acute toxicity: Virtually nontoxic after a single ingestion.

Oral Type of value: LD50 Value: > 2,000 mg/kg



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Inhalation: No applicable information available.

Dermal: No applicable information available.

Assessment other acute effects

Assessment of STOT single: Based on available Data, the classification criteria are not met.

Irritation / corrosion

Assessment of irritating effects: Not irritating to the eyes. Not irritating to the skin.

Sensitization

Assessment of sensitization: There is no evidence of a skin-sensitizing potential.

Aspiration Hazard: No aspiration hazard expected.

Chronic Toxicity/Effects

Repeated dose toxicity

Assessment of repeated dose toxicity: The information available on the product provides no indication of toxicity on target organs after repeated exposure.

Genetic toxicity

Assessment of mutagenicity: The chemical structure does not suggest a specific alert for such an effect.

Carcinogenicity

Assessment of carcinogenicity: The chemical structure does not suggest a specific alert for such an effect.

Reproductive toxicity

Assessment of reproduction toxicity: The chemical structure does not suggest a specific alert for such an effect.

Teratogenicity

Assessment of teratogenicity: No data was available concerning toxicity to development.

Other Information: The product has not been tested. The statements on toxicology have been derived from the properties of the individual components.

Symptoms of Exposure

No significant symptoms are expected due to the non-classification of the product.

12. Ecological Information

Toxicity Aquatic toxicity

Assessment of aquatic toxicity: The product has not been tested. The statement has been derived from the properties of the individual components.

Toxicity to fish LC50 > 100 mg/l

Microorganisms/Effect on activated sludge

Toxicity to microorganisms EC0: > 100 mg/l

Persistence and degradability

Assessment biodegradation and elimination (H2O)

Readily biodegradable (according to OECD criteria).

Bioaccumulative potential Assessment bioaccumulation potential: No data available.

Mobility in soil: Assessment transport between environmental compartments not applicable

13. Disposal Considerations

Waste disposal of substance:

Dispose of in accordance with national, state and local regulations. It is the waste generator's responsibility to determine if a particular waste is hazardous under RCRA.

Container disposal:

Empty contaminated containers/packaging must be handled according to applicable regulations for the hazardous properties of the contaminating material.



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VEGE-KERATIN**14. Transport Information**

Land transport TDG: Not classified as a dangerous good under transport regulations
Sea transport IMDG: Not classified as a dangerous good under transport regulations
Air transport IATA/ICAO: Not classified as a dangerous good under transport regulations

15. Additional Regulatory Information

Federal Regulations: Not applicable
NFPA Hazard codes:
Health: 1 Fire: 1 Reactivity: 0 Special: none

16. Other Information

Abbreviations:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
CAS: Chemical Abstracts Service (division of the American Chemical Society).
CLP: Classification, Labeling, Packaging.
DNEL: Derived No Effect Level.
EINECS: European Inventory of Existing Commercial Chemical Substances.
GHS: Globally Harmonized System of Classification and Labeling of Chemicals.
IATA: International Air Transport Association.
IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO: International Civil Aviation Organization.
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG: International Maritime Code for Dangerous Goods.
INCI: International Nomenclature of Cosmetic Ingredients.
LTE: Long-term exposure.
PNEC: Predicted No Effect Concentration.
RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.
STE: Short-term exposure.
STEL: Short Term Exposure limit.
STOT: Specific Target Organ Toxicity.

Disclaimer:

This material safety data sheet does not constitute a guarantee of the properties of the product and is not a contractual legal report. The information is given in good faith on the basis of our best knowledge of the product at the indicated time. However, we cannot accept responsibility or liability for any consequences arising from its use, no warranty for correctness and completeness is given. We caution the users against the incurred possible risks when the product is used at other ends than the use for which it was initially planned. It is the user's responsibility during handling, storage and product use to consult the main regulatory texts in force regarding workers and environment protection.