



Material Safety Data Sheet

According to EU Regulation 1907/2006 in the current version

Date 12.18.2015

Version 3.0

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: Tel: +40259-436.755

2. Hazards Identification

Classification according to Regulation EU 1272/2008: Not subject to the regulation.
 Labelling according to EU regulation 1272/2008 (GHS-Labeling)
 Signal word: None
 Pictograms: None
 Hazard phrases: None
 Safety phrases: None
 Other hazards: None

Classification according to EU 67/548 EEC or 1999/45/EC: Not subject to the regulation.
 Labelling according to EU regulation 67/548
 Hazard Symbol: None
 Risk phrases: None
 Safety phrases: None

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
 EINECS-number: 310-296-6 / 305-225-0
 INCI-name: Sodium Benzoate
 CAS-number: 532-32-1
 EINECS-number: 208-534-8

4. First Aid

Generally: No special measures required. In case of adverse health effects seek medical advice.
 First aid after Inhalation: Not relevant
 First aid after Skin contact: In general product is not skin-irritating. Wash skin with soap and water.
 First aid after Eye contact: Rinse immediately with plenty of running water (for 10 minutes). Seek medical attention if necessary.
 First aid after Ingestion: Rinse the mouth. Drink 1-2 glasses of water. Do not force vomiting. Seek medical attention if necessary, showing the label.
 Most important symptoms and effects, acute/delayed: No symptoms known.

5. Fire-fighting Measures



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Suitable extinguishing media:	Foam, CO ₂ , dry extinguishing powder.
Unsuitable extinguishing media:	none known
Protective equipment:	Keep away from sources of ignition. Do not smoke. Respiratory and eye protection required for fire crews when exposed to smoke or fumes.
Fire and explosion protection:	This product is made up of inflammable material with low risk. In the case of fire: Use respirator.

6. Accidental release measures:

Personal precautions:	Not needed.
Environmental precautions:	Do not allow large amounts to be released into the sewer system.
Methods for cleaning up:	Remove with liquid-absorbing material (sand, peat, sawdust).

7. Handling and Storage

Precautions for safe handling:	Apply good manufacturing practice & industrial hygiene practices. Observe good personal hygiene, and do not eat, drink or smoke whilst handling. No particular measures required. Avoid open flames.
Conditions for safe storage:	Keep container tightly sealed. Store in a cool, dry place. Temperatures between + 10 °C and + 30 °C

8. Exposure Controls and Personal Protection

Hand protection:	No special measures required
Respiratory protection:	Not needed.
Eye protection:	Protective goggles against liquid splashes.
Physical protection:	Use usual individual protective equipment
Occupational exposure limit:	No special measures required

9. Physical and Chemical Properties

Appearance:	liquid
Colour:	amber
Odour:	characteristic inherent
pH- value	4,0 - 5,0 (20 °C; Conc.: 10 g/l; Solvent: Water)
Melting point:	not available
Initial boiling point & range:	not available
Flash point:	aqueous preparation
Solubility:	soluble in water
Auto-ignition temperature:	not determined
Flamability:	not available
Explosive properties:	nothing to report
Decomposition temperature:	nothing to report

10. Stability and Reactivity



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Reactivity:	It presents no significant reactivity hazards, by itself or in contact with water.
Chemical stability:	The product is stable under normal conditions
Possibility of hazardous reactions:	Not to be expected
Conditions to avoid:	Keep away from heat sources, open flames and sunlight.
Substances to avoid:	None if used for intended purpose.
Hazardous decomposition products:	Product does not decompose at proper handling.

11. Toxicological Information

Not classified as hazardous conform EEC Dangerous Substance Directive and Dangerous Preparation Directives. If the product is used properly it will not cause any injuries to health. The present product is a chemical preparation within the meaning of the chemicals act. The following evaluation has been made on the basis of the toxicological data and content by weight of the individual ingredients.

Acute toxicity:	In compliance with generally accepted uses and quantities are no negative impacts to be expected. LD50 oral: LD50 > 5000 mg/kg body weight LD50 dermal: LD50 > 5000 mg/kg body weight LC50: not determined Inhalation: There is not expected negative impact. Ingestion: There is not expected negative impact. Skin contact: There is not expected negative impact. Eye contact: There is not expected negative impact.
Skin corrosion/irritation	In compliance with generally accepted uses and quantities are no negative impacts to be expected.
Serious eye damage/irritation	In compliance with generally accepted uses and quantities are no negative impacts to be expected.
Respiratory /skin sensitization	In compliance with generally accepted uses and quantities are no negative impacts to be expected. Deep inhalation may cause respiratory troubles such as watering, sneezing.
Germ cell mutagenicity	There is not expected negative impact.
Carcinogenicity	There is not expected negative impact.
Reproductive toxicity	There is not expected negative impact.
STOT-single exposure	No information available
STOT-repeated exposure	No information available
Aspiration hazard	No information available

12. Ecological Information

General ecological information: The ecological evaluation of the product is based on data from the raw material and/or comparable substances.

Toxicity

Acute fish toxicity: LC50 > 10 - <= 100 mg product/l. GHS: Category 3 (not implemented in the EU)

Acute bacterial toxicity: ECO > 100 mg product/l.

Chronic fish toxicity: Not available. Chronic invertebrate toxicity: Not available. Primary degradation: Not available

Ultimate biodegradation: Readily and rapidly degradable. All organic substances contained in the product achieve > 60% BOD/COD or CO2 liberation, or > 70% DOC reduction in tests for ease of degradability. Threshold values for



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'readily degradable' (e.g. to OECD method 301) are reached.

GHS: No category

Persistence: Not available. Bioaccumulative potential: Not available. Mobility in soil: Not available

Results of PBT and vPvB assessment: Not available

13. Disposal Considerations

Recommendation: Collect and dispose of waste product in conformity with local disposal regulations. Is a natural biodegradable product.

14. Transport Information

General recommendations: Not dangerous product. Not hazardous according to RID, ADR, ADNR, IMDG, IATA-DGR.

UN no: not classified

Road (ADR/RID): not classified

Air (IATA/ICAO): not classified

Sea (IMDG): not classified

Special precautions for user: See section 6-8

Transport in bulk according to

Annex II of MARPOL 73/78 and

the IBC: Not defined

15. Additional Regulatory Information

EU Classification: Not subject to classification according to CLP Regulation (EC) No. 1272/2008.

Not subject to classification according to Directive 67/548/EC or Directive

Assessment of material safety: An assessment has not been executed.

16. Other Information

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.