

SAFETY DATA SHEET

HYDROLYZED OAT PROTEIN

1. PRODUCT INFORMATION AND COMPANY IDENTIFICATION

Product Name: Hydrolyzed Oat Protein

Company: Natural Bulk Supplies, 318 Half Day Rd, # 348,
Buffalo Grove, IL 60089 Phone: 847-489-7180

Emergency Contact: Infotrac: 800-535-5053(North America) +1-352-323-3500 (International)

2. HAZARD IDENTIFICATION

Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

The substance does not meet the criteria for a hazardous substance

Classification according to The Hazard Communication Standard (HCS) (29 CFR 1910.1200)

The substance does not meet the criteria for dangerous substance

Label Elements

Not applicable

Hazard Statement

Not applicable

Precautionary Statement

Not applicable

Other Hazards

None provided on whether the substance meets the criteria for persistent, bio accumulative and toxic or very persistent and very bio accumulative in accordance with Annex XIII, whether the substance was included in the list established in accordance with Article 59(1) for having endocrine disrupting properties.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS#	EINECS#	DSD Classification (67/548/EEC)	CLP Classification (EC) No 1272/2008	%
Water	7732-18-5	231-791-2	Not classified as dangerous	Not classified as hazardous	76.0 – 83.0
Hydrolyzed Oat Protein	151661-87-9	N/A	Not classified as dangerous	Not classified as hazardous	17.0 – 24.0

4. FIRST AID MEASURES

Description of First Aid Measures

Eye Contact

Flush with water; seek medical advice if discomfort persists

Skin Contact

Wash material off the skin with soap and water

Inhalation

Not applicable, avoid breathing liquid or aerosols of material

Ingestion

Drink water, seek medical attention

Most important symptoms and effects, both acute and delayed

Not expected to be a skin or eye irritant (based on available data). Non-toxic by oral ingestion (based on nature of material). No other adverse clinical effects are known to be associated with exposure to this material.

Indication of any immediate medical attention and special treatment needed

No immediate medical treatment normally needed.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media

Dry chemical, CO2, foam, halon, water spray (fog)

Unsuitable extinguishing media

None

Special Hazards Arising from the Substance or Mixture

Unusual Fire and Explosion Hazards

None known

Hazardous Decomposition Products

None known

Advice for Fire-Fighters

Special Fire Fighting Procedures

Self-contained breathing apparatus with full-face piece and protective clothing. Do not use direct or heavy water stream to fight fire as it may splash burning liquid.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Ensure adequate ventilation. Use chemical safety goggles for eye/face protection.

Environmental Precautions

Non-hazardous but avoid direct releases to the environment

Methods and Material for Containment and Cleaning Up

Pick up with absorbent material and collect for disposal

Reference to Other Sections

Refer to Section 8 for protective equipment and Section 13 for disposal considerations

7. HANDLING AND STORAGE

Precautions for Safe Handling

Keep working place well ventilated; no special precautions are needed under normal use conditions

Conditions for Safe Storage, Including any Incompatibilities

Avoid temperatures above 40°C. Optimum storage temperature is 24°C or lower. Do not freeze. Avoid exposure to sunlight for prolonged periods. Storage Class (TRGS 510): Non-combustible liquids

Advice on general occupational hygiene

- (a) not to eat, drink and smoke in work areas;
- (b) to wash hands after use; and
- (c) to remove contaminated clothing and protective equipment before entering eating areas.

Specific end use(s)

Active ingredient in cosmetic and personal care applications

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Chemical Name	Occupational Exposure Limits:	Additional exposure limits under the conditions of use:	DNEL/DMEL and PNEC-Values:
Water	No limits established	Not Available	Not Available

Note: The information contained within this document was prepared by technical personnel and is believed to be true and accurate to the best of our knowledge. However, no warranty, express or implied, is provided regarding merchantability, fitness for a particular purpose, performance, safety, suitability, stability, or other aspects of the product. This information is not comprehensive and does not cover all potential conditions of use, handling, storage, disposal, or other factors that may involve legal, environmental, safety, or performance considerations. Natural Bulk Supplies accepts no liability for the use of or reliance upon this information. Our technical personnel are available to address inquiries, but the customer bears ultimate responsibility for the safe handling and use of the product. No suggestions for use are made that would encourage the infringement of existing patents or the violation of any Federal, State, local, or foreign laws.

Hydrolyzed Oat Protein	No limits established	Not Available	Not Available
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Exposure Controls

None

Appropriate Engineering Controls

General mechanical ventilation is acceptable

Individual protection measures, such as personal protective equipment

Eye/face protection

Chemical goggles with side splash protection recommended

Hand Protection

Protective gloves

Body Protection

None required under normal conditions of use

Respiratory Protection

None required under normal conditions of use

Thermal Hazards

None required under normal conditions of use

Other

An eye wash facility should be available in the work area. Employees must practice good personal hygiene, washing exposed areas of the skin several times daily. Launder contaminated clothing before re-use

Environmental Exposure Controls

Non-hazardous but avoid direct releases to the environment

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Clear to slightly hazy, pale yellow liquid
Odor	Characteristic, slight
Odor Threshold	No data available
pH	4.0-5.0
Melting Point / freezing point	Not determined
Boiling Point	215°F / 101.6°C
Flash Point (COC)	> 250° F (Not flammable)
Evaporation Rate	Not Applicable
Flammability (solid, gas)	Not Applicable
Upper/lower flammability or explosive limits	Not Applicable
Vapor Pressure	Not determined
Vapor Density	Not determined

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Specific Gravity	1.07 @ ~ 25°C
Water Solubility	Complete
Partition coefficient: n-octanol/water	Not Available
Auto-ignition Temperature	Not Available
Decomposition Temperature	Not Available
Viscosity (cP)	Not determined
Explosion Properties	None
Oxidizing Properties	None

Other Information

None

10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions of use

Chemical Stability

No known hazardous reactions

Possibility of Hazardous Reactions

None known

Conditions to Avoid

Gross bacterial contamination

Incompatible Materials

Concentrated nitric or sulfuric acid, strong oxidizing agents.

Hazardous Decomposition Products

Burning can produce smoke, CO, CO₂, ammonia and other products of incomplete combustion

11. TOXICOLOGICAL INFORMATION

Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Oral LD₅₀ is anticipated to be >5g/kg based on testing of similar materials.

Skin Corrosion/ Skin Irritation

Non-corrosive/ Not expected to be irritating.

Serious Eye Damage/Eye Irritation

No data available

Respiratory or Skin Sensitization

Not expected/ Not expected to be sensitizing.

STOT-Single /STOT-repeated exposure

No data available

Carcinogenicity

None of the components are listed as a carcinogen by IARC, NTP, OSHA, ACGIH or the EU Substances Directive (EC) No 1272/2008 for CMR, categories 1A and 1B.

Mutagenicity

Not expected to present a germ cell mutagenicity hazard.

Toxicity for reproduction

Not expected to affect reproduction or development

12. ECOLOGICAL INFORMATION

Toxicity

No ecotoxicity data available

Acute (short-term) toxicity

N/A; Not tested

Fish

N/A; Not tested

Crustacea

N/A; Not tested

Algae/aquatic plants

N/A; Not tested

Other organisms

N/A; Not tested

Chronic (long-term) toxicity

N/A; Not tested

Persistence and Degradability

Not available.

Bio accumulative Potential

Not expected to be bio-accumulative in aquatic organisms

Mobility in Soil

Since the product is completely soluble in water, it is expected to be highly mobile in soil.

Results of PBT and vPvB Assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

Endocrine Disrupting Properties for Environment Exposure

None known

Other Adverse Effects

None known

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Dispose in accordance with local and federal environmental regulations. Sewage disposal is discouraged.

14. TRANSPORT INFORMATION

	US DOT	EU land transport (ADR/RID/ADN)	Sea Transport (IMDG)	Air Transport (ICAO/IATA)
UN Number	Not regulated	Not regulated	Not regulated	Not regulated
UN Proper Shipping Name	Not regulated	Not regulated	Not regulated	Not regulated
Transport Hazard Class(s)	Not regulated	Not regulated	Not regulated	Not regulated
Packing Group	Not regulated	Not regulated	Not regulated	Not regulated
Environmental Hazards	Not applicable	Not applicable	Not applicable	Not applicable
Special Precautions for user	None	None	None	None
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable	Not applicable	Not applicable	Not applicable

15. REGULATORY INFORMATION

Safety, Health and Environment Regulations/Legislation Specific for the Substance or Mixture

EU EINECS/ELINCS/NLP

Listed

Canada DSL/NDSL

Not Listed

US TSCA

Not Listed

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Korea KECI

Not Listed

China IECIC

Listed

Japan ENCS

Not Listed

Philippine PICCS

Not Listed

Australia AICS

Not Listed

Germany

Water Class Hazard (Wassergefährdungsklasse): WGK 1

Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this mixture by the supplier and it has been deemed safe based on appropriate use in section 1.2 and 7.4 in this Safety data sheet.

16. OTHER INFORMATION

All statements, technical information and recommendations contained herein are based on tests and data which Natural Bulk Supplies believes to be currently reliable, but this accuracy or completeness thereof is not guaranteed and no warranty of any kind is made with respect thereto. This information is not intended as a license to operate under or a recommendation to practice or infringe any patent of this company or others covering any process, composition of matter or use. Since we shall have no control of the use of the product described here in, we assume no Liability for loss or damage incurred from the proper or improper use of such product.