



State of the Art Ingredients • Fast Friendly Service

## Wheat Protein Hydrolyzed

### SECTION 1 :: PRODUCT IDENTIFICATION

**Product Name:** Wheat Protein Hydrolyzed

**INCI Name:** Hydrolyzed *Triticum vulgare* (Wheat) Protein and *Triticum vulgare* (Wheat) Starch

**Relevant Identified Uses of the Substance or Mixture**

Product Use: Active Ingredient in cosmetic and personal care applications

**Emergency Telephone Number:**

National Poison Control Center: 800-222-1222

### SECTION 2 :: INGREDIENTS

Chemical Name	CAS # %	EINECS	DSD Classification	CLP Classification
Water	7732-18-5	231-791-2	Not Classified as Dangerous	Not classified as Hazardous
Hydrolyzed Wheat Protein and <i>Triticum vulgare</i> (Wheat) Starch	70084-87-6	N/A	Not Classified as Dangerous	Not classified as Hazardous
	9005-25-8	232-679-6		

**Additional Information:** For full text of H-statements and R-phrases: see SECTION 16

### SECTION 3 :: HAZARD IDENTIFICATION

**Classification of Substance or Mixture**

**Classification according to regulation (EC) No 1272/2008 {CLP}:**

The substance does not meet criteria for a hazardous substance

**Classification according to The Hazard Communications 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

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### SECTION 4 :: FIRST AID MEASURES

**Skin Contact:** Wash with plenty of soap and water. Remove contaminated clothing.

**Eye Contact:** Flush eyes with large amounts of clean water for at least 15 minutes. Seek medical attention if discomfort occurs or persists.

**Ingestion:** Drink water. Seek medical attention.

**Inhalation:** Not applicable. Avoid breathing liquid or aerosols of material.  
Person should be moved to a fresh air environment. If breathing is difficult, give oxygen.  
If discomfort occurs or persists seek medical attention.

**Important Symptoms and effects, acute and delayed:**

May cause mild eye irritation. Swallowing may cause mild nausea or abdominal discomfort.

**Indication of any immediate medical attention and special treatment needed:**

No immediate medical treatment normally needed.

### SECTION 5 :: EXPLOSION AND FIRE-FIGHTING MEASURES

**Extinguishing Media:**

CO<sub>2</sub>, Dry Chemical, Water Spray (Fog), Foam, Halon

**Advise for Fire Fighters:**

**Special Fire-Fighting Procedures:**

Exercise caution when fighting any chemical fire. A NIOSH approved self contained breathing apparatus with a full face piece and protective clothing should be worn. Use water spray to cool fire exposed containers.

**Special Hazards Arising from Substance or Mixture:**

**Hazardous Combustion Products:**

May emit noxious fumes.

**Unusual Fire and Explosion Hazards:**

None known.

**Hazardous Decomposition Products:**

Burning can produce smoke, carbon monoxide, and carbon monoxide.

### SECTION 6 :: ACCIDENTAL RELEASE/SPILL PROCEDURES

**Personal Protection:**

Employ adequate laboratory hygiene practices.

Ensure adequate ventilation.

Wear appropriate clothing and equipment: suitable gloves and splash proof goggles.

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### Environmental Precautions:

Non hazardous, still avoid direct release into environment

### Methods and Material Containment and Clean Up:

Material is non hazardous and biodegradable. Small amounts may be washed with water and flushed to sewer, best practice: cover with absorbent material and collect for disposal following all Local, State and Federal Regulations.

### Reference for additional information in other sections:

Section 8 for protective equipment

Section 13 for disposal considerations

## SECTION 7 :: HANDLING AND STORAGE

### Precautions for Safe Handling:

Avoid bacterial contamination. Keep working area well ventilated; no special precautions are needed under normal conditions.

### Conditions for Safe Storage / Incompatibilities:

Containers should be kept tightly closed and stored in a dry well-ventilated place.

Store at room temperature, avoid temperatures above 100F.

Avoid exposure to sunlight for extended periods.

Do not handle or store near an open flame, heat or other sources of ignition.

Keep away from heat, sparks and flames or other sources of ignition.

## SECTION 8 :: PERSONAL PROTECTION / EXPOSURE CONTROLS

### Control Parameters:

Water: no limits established

Hydrolyzed Wheat Protein: no limits established

### Exposure Controls:

#### Appropriate Engineering Controls:

General mechanical ventilation

#### Individual Protection Controls:

**Body Protection:** None required under normal conditions of use

**Hand Protection:** Impervious gloves, oil resistant, / heat resistant rubber

**Eye / Face Protection:** Safety glasses with side shield protection

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**Respiratory Protection:** None required under normal conditions of use. If exposure potential exists refer to NIOSH Criteria Guide to determine proper equipment

**Thermal Hazards:** None required under normal conditions of use

**Other:** Eye wash station should be available in the work area, practice good personal hygiene, wash exposed areas of skin several times daily, launder contaminated clothing before re-use

### SECTION 9 :: PHYSICAL AND CHEMICAL PROPERTIES

**Appearance/Odor:** Clear to Slightly Hazy Yellow to Amber Non Viscous Liquid

**Odor:** Characteristic

**pH:** 4.0 – 5.0

**Melting / Freezing Point:** N/A

**Boiling Point / Range:** >= 215F

**Flash Point (COC):** Not Flammable

**Solubility in Water:** Soluble in Water (All Proportion)

### SECTION 10 :: STABILITY AND REACTIVITY

**Stability:** This product is stable under normal conditions, no known hazardous reactions.

**Reactivity:** Not reactive under normal conditions of use.

**Conditions to Avoid:** Normally stable, avoid gross bacterial contamination.

**Hazardous Decomposition Products:** None under normal use conditions; burning can produce smoke, co, co2, ammonia and other product of incomplete combustion.

**Hazardous Reactions:** Will not occur under normal circumstances.

**Incompatible Materials:** Strong oxidizing agents, Concentrated nitric or sulfuric acid.

### SECTION 11 :: TOXICOLOGICAL INFORMATION

#### Information on toxicological effects

**Acute Toxicity:** Oral LD50 anticipated to be >5g/kg based on testing of similar materials.

**Irritation:** Not an irritant by HRIPT

**Corrosivity:** This is not a corrosive material.

**Sensitization:** Not a sensitizer by HRIPT

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<b>Repeated dose toxicity:</b>	No data available
<b>Carcinogenicity:</b>	None of the components are listed as a carcinogen by IARC, NTP, OSHA, ACGIH or the EU Substance Directive.
<b>Mutagenic effect:</b>	This product is not expected to create a germ cell mutagenicity hazard.
<b>Reproductive toxicity:</b>	Not expected to affect reproduction or development.

### SECTION 12 :: ECOLOGICAL INFORMATION

<b>Eco toxicity:</b>	N/A
<b>Persistence Degradability:</b>	This product is biodegradable.
<b>Bio accumulation:</b>	Not expected to be bio-accumulative in aquatic organisms.
<b>Mobility in Soil:</b>	Product is completely soluble in water, it is expected to be highly mobile in soil.
<b>Results of PBT and vPvB:</b>	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
<b>Other Adverse Effects:</b>	None known.

### SECTION 13 :: DISPOSAL CONSIDERATIONS

<b>Waste Disposal Methods:</b>	Material is very biodegradable. Following standard industrial practice, dispose of in accordance with local, state, and federal environmental regulations.
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### SECTION 14 :: TRANSPORT INFORMATION

Not classified as hazardous according to the Department of Transportation.

### SECTION 15 :: REGULATORY INFORMATION

Safety, Health and Environment Regulations, Legislation Specific for the substance or Mixture:

<b>EU EINECS:</b>	CAS No. 9005-25-8 is listed on the EINECS Inventory.
<b>US TSCA:</b>	All components are listed on the EPA TSCA Inventory
<b>CA DSL / NDSL:</b>	CAS No. 70084-87-6 is listed on the NDSL. All other components are listed on the DSL.
<b>Korea KECI:</b>	All components are listed on the ECL.
<b>China IECSC:</b>	All components are listed on the Republic of china's Inventory of Existing Chemicals and Substances in China.

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<b>Japan ENCS:</b>	Not listed.
<b>Phillippine PICCS:</b>	CAS No. 9005-25-8 is listed on the Phillippine Inventory of Chemicals and Chemical Substances list.
<b>Australia AICS:</b>	CAS No. 9005-25-8 is listed on the AICS.
<b>New Zealand NzloC:</b>	All components are listed on the New Zealand Inventory of Chemicals.

### SECTION 16 :: OTHER INFORMATION

#### List of Relevant R-phrases (number and full text):

Not applicable

#### Date:

Preparation: 12/20/2013  
Revision: 10/13/2016

#### Disclaimer

Technical information and / or suggestions for use including any formulations and / or procedures are believed to be correct. However this does not constitute a guarantee of the accuracy of the information or suggestions contained herein and confirming tests in your own laboratory and / or facility are recommended.

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