

Hydrolyzed Soy Protein

MSDS (Material Safety Data Sheet)

November 7, 2012

Chemical Category: Hydrolyzed Soy Protein
CAS#: 68607-88-5
CAS#: 7732-18-5

Section 2 - Ingredients

Common Name(s)	CAS Numbers	EINECS Numbers
Hydrolyzed Soy Protein	68607-885	271-770-5
Water	7732-18-5	231-791-2
Quaternium 15	51229-78-8	223-805-0
Methyl Paraben	99-76-3	202-785-7

Section 3 - Hazard Identification

OSHA HAZARD CLASSIFICATION: This product is not considered to be hazardous under OSHA 29 CFR 1910.1200.

Routes of Entry: Inhalation, skin, eyes, ingestion
Chemical Interactions: No known interactions
Medical Conditions Aggravated: No data available

Human Threshold Response Data

Odor Threshold: Not established
Irritation Threshold: Not established

Hazardous Materials Identification/National Fire Protection Association Classifications

Hazard Ratings:	Health	Flammability	Reactivity
HMIS	0	0	0
HFPA	Not established		

Immediate (Acute) Health Effects

Inhalation Toxicity: Not expected to be toxic by inhalation. Not tested on animals.
Inhalation Irritation: Not a respiratory irritant.
Skin Contact: No significant adverse effects to health would be expected to occur from dermal contact. Not tested on animals.
Eye Contact: Contact would be expected to cause transient redness if not washed out and left in the eye for an extended period of time. No corneal involvement or visual impairment is expected.
Ingestion Irritation: Ingestion may cause irritation of the gastrointestinal tract and gastrointestinal discomfort with any or all of the following symptoms: nausea, vomiting, lethargy or diarrhea.
Ingestion Toxicity: Not expected to be toxic by ingestion.
Acute Target Organ Toxicity: Not known

Prolonged (Chronic) Health Effects

Carcinogenicity: This product is not known or reported to be carcinogenic by any reference source including IARC, OSHA, NTP or EPA.
Reproductive and Developmental Toxicity: Not known or reported to cause reproductive or developmental toxicity.
Sensitization: This material is not known or reported to be a skin or respiratory sensitizer.
Inhalation: There are no known or reported effects from chronic exposure except for effects similar to those experienced from acute exposure.

Section 3 – Hazards Identification continued...

Ingestion: There are no known or reported effects from chronic ingestion except for effects similar to those experienced from single exposure.

Chronic Target Organ Toxicity: There are no known or reported effects to humans from repeated exposure to this product.

Supplemental Health Hazard Inf.: No additional health information available.

Section 4 - First Aid

Eyes: Flush eyes with plenty of water for at least 15 minutes. Call a physician if irritation develops.

Skin: Flush skin with water for 15 minutes. Call a physician if irritation develops.

Ingestion: Immediately drink water to dilute. Consult a physician if symptoms develop. Never give anything by mouth to an unconscious person.

Inhalation: Remove individual to fresh air.

Section 5 - Fire Fighting Data

Flammability Summary (OSHA): Product is not known to be flammable, combustible, pyrophoric or explosive.

Flammable Properties:

Flash Point: Not available

Autoignition Temperature: None

Fire/Explosion Hazards: Material will not ignite or burn.

Extinguishing Media: Not applicable – Choose extinguishing media suitable for surrounding material.

Fire Fighting Instructions: In case of fire, use normal fire fighting equipment including NIOSH approved self-contained breathing apparatus (SCBA).

Hazardous Combustion Products: Carbon monoxide, Carbon Dioxide

Section 6 –Accidental Release Measures

Personal Protection for Emergency Situations: No extra protection required beyond that listed in Section VIII. In case of fire, use normal fire fighting equipment.

Spill Mitigation Procedures:

Air Release: Not applicable

Water Release: This material is soluble in water. Retain all contaminated water for removal and treatment. Notify all downstream users of possible contamination.

Land Release: Create a dike or trench to contain materials. Absorb spill with inert material (e.g., dry sand, clay, earth or commercial absorbent), then place in a chemical waste container. Contain all contaminated water for disposal and/or treatment. Do not place spill materials back in their original containers.

Additional Spill Information: Stop source of spill as soon as possible and notify appropriate personnel. Utilize emergency response personal protection equipment prior to the start of any response. Evacuate all non-essential personnel. Dispose of spill residues per guidelines under Section XIII, Disposal Consideration.

Section 7 - Handling and Storage

Handling: Do not take internally. Do not eat or drink when handling. Sterile Material. Warm gently and mix well prior to using.

Storage: Store in a cool, dry and well ventilated place. Isolate from incompatible materials.

Shelf Life Limitations: Shelf Life is 1 year from date of manufacture (located on the C of A) in an unopened container. Once material is opened, material should be tested to confirm in spec.

Incompatible Materials for Storage: Refer to Section X, "Incompatible Materials."

Section 8 - Exposure Controls and Personal Protection

Ventilation: No exposure limits exist for the constituents of this product. No engineering controls are likely to be required to maintain operator comfort under normal conditions of use.

Protective Equipment for Routine Use of Product

Respiratory Protection: If dusting or misting occurs, wear a NIOSH approved respirator.
 Respirator Type(s): Not normally required.
 Skin: Wear impermeable gloves
 Eyes: Use safety glasses with side shields
 Protective Clothing Type: Impervious

Exposure Limit Data

CHEMICAL NAME	CAS#	OSHA PEL / STEL	ACGIH LIMITS	ACGIH WELL
No data				

CHEMICAL NAME NIOSH Immediately Dangerous to Life or Health:
 The IDLH has not been
 Established for this product

Section 9 – Physical Data

Boiling Point:	102°C	Specific Gravity:	1.16
Vapor Press:	Same as water	% Volatile by Volume:	75.0
Vapor Density:	Same as water	Physical State:	Clear to hazy liquid
Sol. In Water:	Soluble	Odor:	Mild characteristic
Molecular Weight:	N/A Mixture	PH:	N/A
Octanol/Water Coeff:	No data	Evaporation Rate:	No data
Freezing Point:	No data	VOC Content %w/w / lbs/gal:	0.00 / 0.00
HAP Content %w/w / lbs/gal:	0.00 / 0.00		

Section 10 - Stability and Reactivity

Stability and Reactivity Summary: Stable under normal conditions. Not sensitive to mechanical shock.
 Reactive Properties: Not sensitive to mechanical shock. Not sensitive to static discharge.
 Hazardous Decomposition Products: Carbon dioxide, carbon monoxide
 Hazardous Polymerization: Will not occur.
 Conditions to Avoid: High temperatures
 Chemical Incompatibility: Strong oxidizing agents
 Decomposition Temperature: No data

Section 11 - Toxicological Information

Component Animal Toxicology - No animal testing is performed
 Oral LD50 value: No data
 Dermal LD50 value: No data
 Inhalation LC50 value: No data

Product Animal Toxicity: No animal testing is performed
 Oral LD50 value: Believed to be greater 5.0 g/kg;practically non-toxic
 Dermal LD50 value: Believed to be greater 2.0 g/kg;practically non-toxic

Eye Contact: Contact would be expected to cause transient redness if not washed out and left in the eye for an extended period of time
 Skin Contact: Not expected to be irritating to the skin.
 Reproductive and Developmental Toxicity: Not known or reported to cause reproductive or developmental toxicity
 Mutagenicity: Not known or reported to be mutagenic
 Carcinogenicity: This chemical is not known or reported to be carcinogenic by any reference source including IAR, OSHA, NTP or EPA.

Section 12 - Ecological Information

Ecological Toxicity Values: No data

Section 13 - Disposal Consideration

CARE MUST BE TAKEN TO PREVENT ENVIRONMENTAL CONTAMINATION FROM THE USE OF THIS MATERIAL. THE USER OF THIS MATERIAL HAS THE RESPONSIBILITY TO DISPOSE OF UNUSED MATERIAL, RESIDUES AND CONTAINERS IN COMPLIANCE WITH ALL RELEVANT LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS REGARDING TREATMENT, STORAGE AND DISPOSAL FOR HAZARDOUS AND NONHAZARDOUS WASTES.

Waste Disposal Summary: Spent or discarded material is not expected to be a hazardous waste.
Potential US EPA Waste Codes: Not applicable
Disposal Methods: As a non-hazardous liquid waste, it should be disposed of in accordance with local, state and federal regulations by incineration.
Components subject to land ban restrictions: No components subject to land ban restrictions.

Section 14 - Transport Information

THIS MATERIAL IS NOT REGULATED AS A DOT HAZARDOUS MATERIAL

DOT DESCRIPTION (49 CFR 172.101):

Land (U.S. DOT): Not regulated
Air (IATA/ICAO): Not regulated
Water (IMO): Not regulated
Flash Point: (C) Not applicable

Section 15 - Regulatory Information

UNITED STATES:

Toxic Substances Control Act (TSCA): The components of this product are listed on the TSCA Inventory of Existing Chemical Substances.

Pesticide acceptance indication: US EPA Registration Number: Not applicable

Superfund Amendments and Reauthorization Act (SARA) Title III:

Hazard Categories Sections 311/312 (40 CFR 370.2):

Health: None

Physical: None

Emergency Planning & Community Right to Know (40 CFR 355m App. A):

Extremely Hazardous Substance Section 302-Threshold Planning Quantity: Not applicable

Reportable Quantity (40 CFR 302.4): None listed

Supplier Notification Requirements (40 CFR 372.45). 313 Reportable Components: No 313 listed chemicals in this product.

State Right to Know Regulations Status of Ingredients:

Pennsylvania: Not listed

New Jersey: Not listed

Massachusetts: Not listed

Section 16 - Additional Information

MSDS Revision Status: Revised to meet the ANSI standard of 16 sections.

Major References: Available upon request

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.