



### Section 3 - COMPOSITION AND INFORMATION ON INGREDIENTS

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**SUBSTANCE OR MIXTURE:** Substance  
**CHEMICAL NAME:** Soybean Meal  
**OTHER MEANS OF IDENTIFICATION:** Not Available

INGREDIENTS	PERCENTAGES (by weight)	CAS #
Soybean Meal	100%	68308-36-1

Any Concentration shown as a range is to protect confidentiality or is due to batch variation  
**There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section**

**Occupational exposure limits, if available, are listed in Section 8.**

### Section 4 - FIRST AID MEASURES

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#### EMERGENCY AND FIRST AID PROCEDURES:

**Eye Contact** – Flush with water for at least 15 minutes. Obtain medical attention if irritation occurs/persists.

**Skin Contact** - Wash skin with soap and plenty of water. Obtain medical attention if irritation occurs/persists.

**Inhalation** - Move the exposed person to fresh air at once. Seek medical attention if breathing difficulty or discomfort occurs/persists.

**Ingestion** – Give several glasses of water to dilute. Never give anything by mouth to an unconscious person. Do not induce vomiting without medical guidance.

#### MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED

##### Potential acute health effects

**Eye Contact:** No known significant effects or critical hazards.  
**Inhalation:** No known significant effects or critical hazards.  
**Skin Contact:** No known significant effects or critical hazards.  
**Ingestion:** No known significant effects or critical hazards.

##### Over-exposure signs/symptoms

**Eye Contact:** No known significant effects or critical hazards.  
**Inhalation:** No known significant effects or critical hazards.  
**Skin Contact:** No known significant effects or critical hazards.  
**Ingestion:** No known significant effects or critical hazards.

##### Indication of immediate medical attention and special treatment needed

**Notes to physician:** Treat symptomatically.  
**Specific Treatments:** No specific treatment.  
**Protection for first-responders:** No action shall be taken involving any personal risk or without suitable training.

See Toxicological information (Section 11)

## Section 5 - FIRE - FIGHTING MEASURES

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**EXTINGUISHING MEDIA:** Water fog, dry chemical powders or foam.

**SPECIAL FIRE FIGHTING PROCEDURES:** Wear self-contained breathing apparatus as required for the situation. Do not use strong streams of water or dry chemical if dust can be dispersed into the air. Dust placed in suspension with an ignition source present may flash or explode.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Explosion hazard may exist for combustible dusts of certain particle size and moisture content when suspended in air at certain concentrations and subjected to an ignition source.

## Section 6 - ACCIDENTAL RELEASE MEASURES

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**PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:** Dust mask and safety glasses/goggles to avoid dusts. Avoid conditions for a combustible dust explosion. See section 8 for safe handling

**STEPS TO TAKE IF MATERIAL IS RELEASED OR SPILLED:** Clean up with soft bristle broom(s) or a vacuum approved for a class II hazardous location. Dust deposits should be maintained to a minimum on surfaces, as these could form an explosive mixture if they are released into the atmosphere in sufficient concentration. Avoid dispersal of dust in the air (i.e., cleaning dust surfaces with compressed air in the presence of ignition source should not be allowed). Non-sparking tools should be used.

## Section 7 - HANDLING AND STORAGE

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**PRECAUTIONS FOR SAFE HANDLING:** Provide adequate ventilation if dust is formed. Remove dust from area/processing equipment prior to using any heat producing equipment such as arc welders, cutting torches and spark/heat producing tools such as portable surface grinders. Use only appropriately classified electrical equipment and powered industrial trucks. Wear appropriate personal protective equipment (see Section 8).

**HANDLING AND STORING:** Handle in accordance with good industrial hygiene and safety practices. Store in closed containers in cool, dry, well-ventilated areas.

## Section 8 - EXPOSURE CONTROLS - PERSONAL PROTECTION

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**EXPOSURE CONTROLS:** Practice good housekeeping. Ensure that dust handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work areas. Good personal hygiene practices should be followed. Wash hands and face before eating, drinking, etc.

**RESPIRATORY EQUIPMENT:** Not required under normal handling conditions. May cause irritation of the nasal membranes or the upper respiratory tract. If dust levels exceed 15 mg/m<sup>3</sup> employees should wear NIOSH dust respirator.

**EYE PROTECTION:** Safety glasses or goggles suggested in dusty conditions.

**PROTECTIVE CLOTHING:** Handle with gloves and avoid direct skin contact to prevent contamination. Use body protection as needed to prevent contamination.

**OTHER (SAFETY SHOWERS, EYE WASH STATIONS, ETC.):** Not required under normal handling conditions.

## Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

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**APPEARANCE:** Light Brown/Tan Meal

**ODOR:** Odorless to mild

**UPPER FLAMMABILITY LIMIT:** Not Available

**ODOR THRESHOLD:** Not Available

**LOWER FLAMMABILITY LIMIT:** Not Available

**AUTO IGNITION TEMPERATURE:** Not Available

**EXPLOSIVE LIMITS:** Not Available

**FLASH POINT:** Not Available

**MELTING POINT:** Not Available

**FREEZING POINT:** Not Available

**INITIAL BOILING POINT:** Not Available

**BOILING RANGE:** Not Available

**DECOMPOSITION POINT:** Not Available

**RELATIVE DENSITY (water=1):** Not Available

**DECOMPOSITION TEMPERATURE:** Not Available

**EVAPORATION RATE (ether=1):** N/A

**VAPOR PRESSURE:** Not Available

**VAPOR DENSITY (air=1):** N/A

**SOLUBLE IN WATER:** Not Available

**SOLUBILITY:** Not Available

**PARTITION COEFFICIENT n-octanol/water:** Not Available

**pH:** Not Available

**FLAMMABILITY (Solid, gas):** Not Available

**VISCOSITY:** Not Available

## Section 10 - STABILITY AND REACTIVITY

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**STABILITY:** This product is stable.

**REACTIVITY:** No specific test data related to reactivity available for this product or its ingredients.

**CONDITIONS TO AVOID:** Not Available

**MATERIALS TO AVOID:** Strong Oxidizing Agents

**HAZARDOUS DECOMPOSITION PRODUCTS:** Not Available

**HAZARDOUS POLYMERIZATION:** Will not occur.

## Section 11 - TOXICOLOGY INFORMATION

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### **Information on toxicological effects**

#### **Acute toxicity**

There is no data available

#### **Irritation/Corrosion**

**Skin:** No Data Available

**Eyes:** No Data Available

**Respiratory:** No Data Available

#### **Sensitization**

**Skin:** No Data Available

**Respiratory:** No Data Available

#### **Mutagenicity**

There is no data available.

#### **Carcinogenicity**

There is no data available.

#### **Reproductive Toxicity**

There is no data available.

#### **Teratogenicity**

There is no data available.

#### **Specific target organ toxicity (single exposure)**

There is no data available.

#### **Specific target organ toxicity (repeated exposure)**

There is no data available.

#### **Aspiration Hazard**

There is no data available.

## Section 12 - ECOLOGICAL INFORMATION

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### **Toxicity**

No data available.

### **Persistence and degradability**

There is no data available

### **Bioaccumulative potential**

There is no data available.

### **Mobility in soil**

No data available

### **Other adverse effects**

No data available.

## Section 13 - DISPOSAL CONSIDERATION

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**WASTE DISPOSAL PROCEDURES:** Dispose of in accordance with Local, State and Federal environmental regulations.

## Section 14 - TRANSPORTATION

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**DOT PROPER SHIPPING NAME:** N/A

**DOT HAZARD CLASS:** N/A

**DOT IDENTIFICATION NUMBER:** N/A

**DOT EMER. RESPONSE GUIDE NO.:** N/A

(Not classified as hazardous according to Department of Transportation)

## Section 15 - REGULATORY INFORMATION

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This product does not contain toxic chemicals subject to the reporting requirements of SARA Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372.

### SARA 302/304

#### Composition/information on ingredients

No Products were found.

**SARA 304 RQ:** Not applicable

### **SARA SECTION 311-312 HAZARD CATEGORIES (40 CFR 370.2):**

**FIRE:** No    **SUDDEN RELEASE OF PRESSURE:** No    **REACTIVE:** No    **ACUTE:** No    **CHRONIC:** No

**Toxic Substances Control Act (TSCA):** Components of this product are all on TSCA Inventory List

### State regulations

**Massachusetts:** This material is not listed.

**New York:** This material is not listed.

**New Jersey:** This material is not listed.

**Pennsylvania:** This material is not listed.

**California Proposition 65:** This product contains the following substances known to the State of California to cause cancer, birth defects, or other reproductive harm per the Safe Drinking Water and Toxic Enforcement Act of 1986

Ingredients: NONE

### Canada

Domestic Substances List (DSL): Product is listed on the DSL Inventory  
Workplace Hazardous Material Information System (WHMIS)

Product Identification Number: None

Hazardous Classification / Division: None

Ingredient Disclosure List: Not Listed

### International

China: Listed

Japan: (ENCs): (2)-1434

Korea: KE-13088

Philippines (PICCS): Listed

## Section 16 - OTHER INFORMATION

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Prepared By: Jesse Shuck Date: June 22, 2015  
Title: Global Process Scientist Supersedes: October 13, 2003  
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THE INFORMATION CONTAINED IN THIS MSDS RELATES ONLY TO THE SPECIFIC MATERIAL IDENTIFIED. IT DOES NOT COVER USE OF THAT MATERIAL IN COMBINATION WITH ANY OTHER MATERIAL OR IN ANY PARTICULAR PROCESS. IN COMPLIANCE WITH 29 C.F.R. 1910.1200(g), CHS HAS PREPARED THIS MSDS IN SEGMENTS, WITH THE INTENT THAT THOSE SEGMENTS BE READ TOGETHER AS A WHOLE WITHOUT TEXTUAL OMISSIONS OR ALTERATIONS. CHS BELIEVES THE INFORMATION CONTAINED HEREIN TO BE ACCURATE, BUT MAKES NO REPRESENTATION, GUARANTEE, OR WARRANTY, EXPRESS OR IMPLIED, ABOUT THE ACCURACY, RELIABILITY, OR COMPLETENESS OF THE INFORMATION OR ABOUT THE FITNESS OF CONTENTS HEREIN FOR EITHER GENERAL OR PARTICULAR PURPOSES. PERSONS REVIEWING THIS MSDS SHOULD MAKE THEIR OWN DETERMINATION AS TO THE MATERIAL'S SUITABILITY AND COMPLETENESS FOR USE IN THEIR PARTICULAR APPLICATIONS.