

	Section Title	SAFETY DATA SHEET (SDS)	South Dakota Soybean Processors 100 Caspian Ave, Volga, SD 57071
	Appendix		
	Section #	OSHA HazCom and GHS Standard	Revision: 12/03/20
	12.4	HACCP Manual	Review: 02/13/24

Soybean Meal, All Varieties – 16 Section SDS

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier SOYBEAN SOYMEAL		[WHMIS Classification]	
Product Use FEED INGREDIENT			
Manufacturer's Name SOUTH DAKOTA SOYBEAN		Supplier's Name SOUTH DAKOTA SOYBEAN	
Street Address PO BOX 500		Street Address PO BOX 500	
City VOLGA	State SD	City VOLGA	State SD
Postal Code 57071	Manufacturer's Telephone 605-627-6461	Postal Code 57071	Emergency Telephone 1-800-262-8200 (Chem Trec)
Date SDS Prepared 4/24/15	SDS Prepared By Midwest Laboratories, Inc.	Phone Number 402-334-7770	

SECTION 2 — COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients (<i>specific</i>)	%	CAS Number	LD ₅₀ of Ingredient (<i>specify species and route</i>)	LC ₅₀ of Ingredient (<i>specify species</i>)
None known	NA	NA	NA	NA

SECTION 3 — HAZARDS IDENTIFICATION

Route of Entry	<input checked="" type="checkbox"/> Skin Contact	<input type="checkbox"/> Skin Absorption	<input checked="" type="checkbox"/> Eye Contact	<input checked="" type="checkbox"/> Inhalation	<input checked="" type="checkbox"/> Ingestion
Emergency Overview Material can cause dry skin with prolonged used.					
WHMIS Symbols					
Potential Health Effects None known.					

SECTION 4 — FIRST AID MEASURES

Skin Contact Flush with water. Contact physician if irritation persists.
Eye Contact Flush with water. Contact physician if irritation persists.
Inhalation Inhalation may cause allergic reaction in persons with soy allergy.
Ingestion Give plenty of water. Do not induce vomiting. Contact physician if irritation persists. Ingestion may cause allergic reaction in person with soy allergy.

SECTION 5 — FIRE FIGHTING MEASURES

Flammable	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	If yes, under which conditions? Dust may be ignited. Product will smolder and hold an ember.	
Means of Extinction Foam or CO ₂				
Flashpoint (° C) and Method	> 200°C by ASTM D92		Upper Flammable Limit (% by volume)	Lower Flammable Limit (% by volume)
			N/A - Solid	N/A - Solid
Autoignition Temperature (°C)	Not tested		Explosion Data — Sensitivity to Impact	Explosion Data — Sensitivity to Static Discharge
			Not explosive	Not explosive
Hazardous Combustion Products CO ₂ and CO				
[NFPA] Not listed.				

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedures
Material can be swept up and placed in appropriate receptacle. Avoid dust formation in closed environments.

SECTION 7 — HANDLING AND STORAGE

Handling Procedures and Equipment
Avoid formation of dust. Dust in closed environments could result in dust explosion if an ignition source is present.
Storage Requirements
Store in a cool, dry place.

SECTION 8 — EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure Limits	<input type="checkbox"/> ACGIH TLV Not listed	<input type="checkbox"/> OSHA PEL	<input type="checkbox"/> Other (specify) NIOSH
Specific Engineering Controls (such as ventilation, enclosed process)			
No special engineering controls required. Maintain and control dust levels in closed environments.			
Personal Protective Equipment	<input checked="" type="checkbox"/> Gloves	<input checked="" type="checkbox"/> Respirator	<input checked="" type="checkbox"/> Eye
		<input type="checkbox"/> Footwear	<input type="checkbox"/> Clothing
			<input type="checkbox"/> Other
If checked, please specify type			
Wear gloves if handling in large quantities or if person is hypersensitive to material. Always wear protective eyewear. If dust is present, a general particle mask is recommended.			

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Odor and Appearance	Odor Threshold (ppm)
Solid	Light brown ground solids with a plant-like odor	Not tested
Specific Gravity	Vapor Density (air = 1)	Vapor Pressure (mmHg)
0.650 g/cm ³	Not tested	Not tested
Evaporation Rate	Boiling Point (° C)	Freezing Point (° C)
Not tested	N/A Solid	N/A Solid
pH	Coefficient of Water/Oil Distribution	[Solubility in Water]
6.7 S.U.	Not tested	Non-soluble

SECTION 10 — STABILITY AND REACTIVITY

Chemical Stability	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If no, under which conditions?
Incompatibility with Other Substances	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes, which ones? Strong oxidizers
Reactivity and under what conditions? Non-reactive to acid, base, and water.		
Hazardous Decomposition Products None known.		

SECTION 11 — TOXICOLOGICAL INFORMATION

Effects of Acute Exposure Sensitive individuals may exhibit skin, eye, or respiratory irritation. Soy based product.	
Effects of chronic exposure No known chronic effects.	
Irritancy of Product Mild irritant	
Skin sensitization Mild sensitizer	Respiratory sensitization Mild sensitizer
Carcinogenicity-IARC Not listed	Carcinogenicity - ACGIH Not listed
Reproductive toxicity Not listed	Teratogenicity Not listed
Embrototoxicity Not listed	Mutagenicity Not listed
Name of synergistic products/effects None known	

SECTION 12 — ECOLOGICAL INFORMATION

[Aquatic Toxicity] No known aquatic toxicity. Material may increase the organic load of water.

SECTION 13 — DISPOSAL CONSIDERATIONS

[Water Disposal] Must be disposed of in accordance with federal, state, and local environmental control regulations. Absorbed material may be placed in a licensed municipal landfill or land applied.

SECTION 14 — TRANSPORT INFORMATION

Special Shipping Information No special shipping requirements.		PIN
TDG Not listed	[DOT] Not listed	
[IMC] Not listed	[ICAO] Not listed	

SECTION 15 — REGULATORY INFORMATION

[WHMIS Classification] Not listed	[OSHA] Not listed
[SERA] Not listed	[TSCA] Not listed
<i>This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by CPR.</i>	

SECTION 16 — OTHER INFORMATION

This information hereby is furnished without warranty of any kind. Individual handling the product should only use this information as supplemental information to others gathered. The information used by the parties handling and using the product need to be aware of proper use and disposal of the material. Some of the material included in this SDS was obtained from reference material about the product and not based on specific tests or analyses carried out by the laboratory.

REPORT NUMBER

15-117-4046 v2

REPORT DATE
Apr 27, 2015
RECEIVED DATE
Apr 13, 2015

SEND TO
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Analysis	Level Found At Received	Units	Reporting		Analyst- Date	Verified- Date
			Limit	Method		
Sample ID: SOYBEAN SOYMEAL Lab Number: 2388890 Date Sampled: 2015-04-10						
Visual appearance	see comments		0	Visual	108-2015/04/17	108-2015/04/17
Reactivity with base	negative		0	SW-846, CH. 7.3 *	108-2015/04/17	108-2015/04/17
Reactivity with acid	negative		0	SW-846, CH. 7.3 *	108-2015/04/17	108-2015/04/17
Reactivity with water	negative		0	SW-846, CH. 7.3 *	108-2015/04/17	108-2015/04/17
Ignitability (open cup)	>400	°F	39	ASTM D 92 *	108-2015/04/17	108-2015/04/17
Safety Data Sheet (SDS) preparation	completed	n/a	n/a	Administrative *	107-2015/04/27	107-2015/04/27
pH	6.7	S.U.	1.00	EPA 9045 *	km 108-2015/04/15	cm 102-2015/04/17
Bulk density	0.650	g/cm ³	0.001	USP <616> method I	108-2015/04/21	108-2015/04/21

This report was reissued on 2015-04-27 11:31:39 by adj2 for the following reason:
msds.
All results are reported on an AS RECEIVED basis.

For questions please contact:

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The results listed on this report only reflect the analysis of the sample(s) submitted.
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Detailed Method Description(s)

Reactivity

Aliquots of samples have acid, base, and water added to them. Reaction is monitored to see if any reaction occurs.

Open Cup Ignitability

Sample is placed in a Cleveland Open Cup testing cup and heated at a prescribed rate and flame is applied at temperature intervals and point at which vapors ignite is the flash point.

Administrative, sampling, fees

General procedure for special administrative activities such as report issuance, sample splitting or compositing.

EPA 9045

Sample analysis follows MWL EN PROC 002 which is based on EPA 9045. A sample of soil is mixed with DI water and allowed to equilibrate. A calibrated pH meter and probe is used to measure the pH of the sample.

