	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

Lecithin, All Varieties – 16 Section SDS

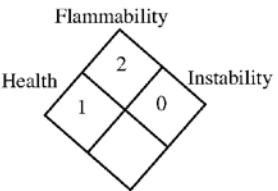
SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier LECITHIN		[WHMIS Classification]	
Product Use			
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 3/31/15	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 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	N/A
Ingestion	Give plenty of water. Do not induce vomiting. Contact physician if irritation persists.

SECTION 5 — FIRE FIGHTING MEASURES

Flammable	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	If yes, under which conditions?
Means of Extinction Foam, water mist, chemical suppression.			
Flashpoint (° C) and Method > 150°C by ASTM D93	Upper Flammable Limit (% by volume) Not tested	Lower Flammable Limit (% by volume) Not tested	
Autoignition Temperature (°C) Not tested	Explosion Data — Sensitivity to Impact Not explosive	Explosion Data — Sensitivity to Static Discharge Not explosive	
Hazardous Combustion Products None known.			
[NFPA] Not listed.			

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedures Absorb with general absorbent such as kitty litter. Prevent entry of material into waters of the state or sanitary sewers.

SECTION 7 — HANDLING AND STORAGE

Handling Procedures and Equipment No special handling required.
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.			
Personal Protective Equipment <input checked="" type="checkbox"/> Gloves <input 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.			

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Physical State Liquid	Odor and Appearance Thick, viscous red-orange liquid with a fatty-earthy odor.	Odor Threshold (ppm) Not tested
Specific Gravity 1.0246 g/mL	Vapor Density (air = 1) Not tested	Vapor Pressure (mmHg) Not tested
Evaporation Rate Not tested	Boiling Point (° C) 170°C	Freezing Point (° C) Solidifies slightly below room temperature
pH 6.78 S.U.	Coefficient of Water/Oil Distribution Not tested	[Solubility in Water] Immiscible in water

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. Prolonged skin exposure can cause dryness.	
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

15-092-4011 v2

REPORT DATE
Apr 02, 2015

RECEIVED DATE
Mar 19, 2015

SEND TO
27857



13611 "B" Street • Omaha, Nebraska 68144-3693 • (402) 334-7770 • FAX (402) 334-9121
www.midwestlabs.com

ISSUE DATE
Apr 02, 2015

Analysis	Level Found		Reporting		Analyst- Date	Verified- Date
	As Received	Units	Limit	Method		
Sample ID: LECITHIN	Lab Number: 2380680	Date Sampled: 2015-03-16				
Visual appearance	see comments		0	Visual	JK8-20 15/03/20	JK8-20 15/03/23
Reactivity with base	negative		0	SW-846, CH. 7.3 *	JK8-20 15/03/24	JK8-20 15/03/24
Reactivity with acid	negative		0	SW-846, CH. 7.3 *	JK8-20 15/03/24	JK8-20 15/03/24
Reactivity with water	negative		0	SW-846, CH. 7.3 *	JK8-20 15/03/24	JK8-20 15/03/24
pH	6.78	S.U.	0.40	SM 4500-H+ B *	km JK8-20 15/03/20	cm W2-20 15/03/23
Ignitability (open cup)	>150	°C	39	ASTM D 93 *	JK8-20 15/03/24	JK8-20 15/03/24
MSDS preparation	completed	n/a	n/a	Administrative *	JK7-20 15/04/02	JK7-20 15/04/02
Bulk Density	1.0246	g/mL	0.001	Gravimetric *	JK8-20 15/03/24	JK8-20 15/03/24

This report was reissued on 2015-04-02 13:18:15 by adj2 for the following reason:
MSDS.
All results are reported on an AS RECEIVED basis.

For questions please contact:

Sue Ann Seitz
Account Manager
sueann.seitz@midwestlabs.com (402)829-9892

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.

SM 4500-H+ B

Sample analysis follows MWL EN PROC 003 which is based on Standard Methods (SM) 4500-H B. Aqueous samples (>20% volume) are allowed to equilibrate at room temperature. A pH meter and probe is calibrated and used to measure the hydronium concentration (pH) of the solution.

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 ignites is the flash point.

Administrative, sampling, fees

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

SM 2710 F Specific gravity

Analysis is carried out using MWL AF PROC 26 which is based on SM 2710 F. A volume of sample, usually 100 mL is weighed and the mass compared to the mass of an equal volume of water at 4 degrees C.