

**SOUTH DAKOTA SOYBEAN FEED ACCT**  
**SUSAN SELMAN**  
**PO BOX 500**  
**VOLGA SD 57071**

**REPORT OF ANALYSIS**

For: (27857) SOUTH DAKOTA SOYBEAN FEED ACCT  
MSDS

| Analysis                            | Level Found                | Units                           | Reporting | Method             | Analyst-<br>Date | Verified-<br>Date |
|-------------------------------------|----------------------------|---------------------------------|-----------|--------------------|------------------|-------------------|
|                                     | As Received                |                                 | Limit     |                    |                  |                   |
| Sample ID: <b>SOYBEAN SOYMEAL</b>   | Lab Number: <b>2388890</b> | Date Sampled: <b>2015-04-10</b> |           |                    |                  |                   |
| Visual appearance                   | see comments               |                                 | 0         | Visual             | jlc8-2015/04/17  | jlc8-2015/04/17   |
| Reactivity with base                | negative                   |                                 | 0         | SW-846, CH. 7.3 *  | jlc8-2015/04/17  | jlc8-2015/04/17   |
| Reactivity with acid                | negative                   |                                 | 0         | SW-846, CH. 7.3 *  | jlc8-2015/04/17  | jlc8-2015/04/17   |
| Reactivity with water               | negative                   |                                 | 0         | SW-846, CH. 7.3 *  | jlc8-2015/04/17  | jlc8-2015/04/17   |
| Ignitability (open cup)             | >400                       | °F                              | 39        | ASTM D 92 *        | jlc8-2015/04/17  | jlc8-2015/04/17   |
| Safety Data Sheet (SDS) preparation | completed                  | n/a                             | n/a       | Administrative *   | jjk7-2015/04/27  | jjk7-2015/04/27   |
| pH                                  | 6.7                        | S.U.                            | 1.00      | EPA 9045 *         | kmc8-2015/04/15  | cmw2-2015/04/17   |
| Bulk density                        | 0.650                      | g/cm <sup>3</sup>               | 0.001     | USP <616> method I | jlc8-2015/04/21  | jlc8-2015/04/21   |

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:



Sue Ann Seitz  
Account Manager  
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The result(s) issued on this report only reflect the analysis of the sample(s) submitted.

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REPORT NUMBER

**15-117-4046 v2**

REPORT DATE  
**Apr 27, 2015**

SEND TO  
**27857**

RECEIVED DATE  
**Apr 13, 2015**



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ISSUE DATE  
**Apr 27, 2015**

**SOUTH DAKOTA SOYBEAN FEED ACCT REPORT OF ANALYSIS**

**SUSAN SELMAN**

For: (27857) SOUTH DAKOTA SOYBEAN FEED ACCT

**PO BOX 500**

MSDS

**VOLGA SD 57071**

**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.

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## SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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

## SECTION 2 — COMPOSITION/INFORMATION ON INGREDIENTS

| Hazardous Ingredients ( <i>specific</i> ) | %  | CAS Number | LD <sub>50</sub> of Ingredient<br>( <i>specify species and route</i> ) | LC <sub>50</sub> 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<br><b>Material can cause dry skin with prolonged used.</b> |  |  |   |  |   |
| WHMIS Symbols   |  |  |   |  |   |
| <p>Flammability</p> <p>Health</p> <p>Instability</p>                          |  |  |   |  |   |
| Potential Health Effects<br><b>None known.</b>                                |  |  |   |  |   |

## SECTION 4 — FIRST AID MEASURES

|  |
|--|
| Skin Contact<br>Flush with water. Contact physician if irritation persists.  |
| Eye Contact<br>Flush with water. Contact physician if irritation persists.   |
| Inhalation<br>Inhalation may cause allergic reaction in persons with soy allergy.  |
| Ingestion<br>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?<br>Dust may be ignited. Product will smolder and hold an ember. |   |
| Means of Extinction<br>Foam or CO <sub>2</sub>          |   |   |   |   |
| Flashpoint (° C) and Method<br>> 200°C by ASTM D92      |   | Upper Flammable Limit (% by volume)<br>N/A - Solid      |   | Lower Flammable Limit (% by volume)<br>N/A - Solid                |
| Autoignition Temperature (°C)<br>Not tested             |   | Explosion Data — Sensitivity to Impact<br>Not explosive |   | Explosion Data — Sensitivity to Static Discharge<br>Not explosive |
| Hazardous Combustion Products<br>CO <sub>2</sub> and CO |   |   |   |   |
| [NFPA]<br>Not listed.                                   |   |   |   |   |

## SECTION 6 — ACCIDENTAL RELEASE MEASURES

|  |
|--|
| Leak and Spill Procedures<br>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<br>Avoid formation of dust. Dust in closed environments could result in dust explosion if an ignition source is present. |
| Storage Requirements<br>Store in a cool, dry place.  |

## SECTION 8 — EXPOSURE CONTROL / PERSONAL PROTECTION

|  |  |                                   |  |
|--|--|-----------------------------------|--|
| Exposure Limits  | <input type="checkbox"/> ACGIH TLV<br>Not listed | <input type="checkbox"/> OSHA PEL | <input type="checkbox"/> Other (specify) NIOSH |
| Specific Engineering Controls (such as ventilation, enclosed process)<br>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<br>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<br>Solid                     | Odor and Appearance<br>Light brown ground solids with a plant-like odor | Odor Threshold (ppm)<br>Not tested   |
| Specific Gravity<br>0.650 g/cm <sup>3</sup> | Vapor Density (air = 1)<br>Not tested                                   | Vapor Pressure (mmHg)<br>Not tested  |
| Evaporation Rate<br>Not tested              | Boiling Point (° C)<br>N/A Solid  | Freezing Point (° C)<br>N/A Solid    |
| pH<br>6.7 S.U.                              | Coefficient of Water/Oil Distribution<br>Not tested                     | [Solubility in Water]<br>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?<br>Strong oxidizers |
| Reactivity and under what conditions?<br>Non-reactive to acid, base, and water. |   |   |
| Hazardous Decomposition Products<br>None known.                                 |   |   |

## SECTION 11 — TOXICOLOGICAL INFORMATION

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

## SECTION 12 — ECOLOGICAL INFORMATION

|   |
|---|
| [Aquatic Toxicity]<br>No known aquatic toxicity. Material may increase the organic load of water. |
|---|

## SECTION 13 — DISPOSAL CONSIDERATIONS

|   |
|---|
| [Water Disposal]<br>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<br>No special shipping requirements. |                      | PIN |
| TDG<br>Not listed   | [DOT]<br>Not listed  |     |
| [IMO]<br>Not listed   | [ICAO]<br>Not listed |     |

## SECTION 15 — REGULATORY INFORMATION

|   |                      |
|---|----------------------|
| [WHMIS Classification]<br>Not listed  | [OSHA]<br>Not listed |
| [SERA]<br>Not listed  | [TSCA]<br>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.