

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

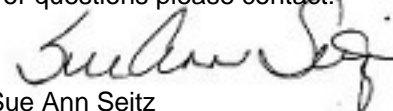
REPORT OF ANALYSIS

For: (27857) SOUTH DAKOTA SOYBEAN FEED ACCT
CRUDE OIL

Analysis	Level Found	Units	Reporting		Analyst- Date	Verified- Date
	As Received		Limit	Method		
Sample ID: CRUDE OIL	Lab Number: 2364557					
Visual appearance	see MSDS		0	Visual	jlc8-2015/02/11	jlc8-2015/02/11
Reactivity with base	negative		0	SW-846, CH. 7.3 *	jlc8-2015/02/11	jlc8-2015/02/11
Reactivity with acid	negative		0	SW-846, CH. 7.3 *	jlc8-2015/02/11	jlc8-2015/02/11
Reactivity with water	negative		0	SW-846, CH. 7.3 *	jlc8-2015/02/11	jlc8-2015/02/11
pH	5.22	S.U.	0.10	SM 4500-H+ B *	rmm8-2015/02/03	cmw2-2015/02/05
Ignitability	327	°F	39	ASTM D 93 *	jlc8-2015/02/13	jlc8-2015/02/13
MSDS preparation	completed	n/a	n/a	Administrative *	jpg0-2015/03/02	jpg0-2015/03/03
Specific Gravity (25C)	0.924	g/mL @ 25°C	0.001	ASTM D 4052	arr3-2015/02/10	lma2-2015/02/11

All results are reported on an AS RECEIVED basis.

For questions please contact:



Sue Ann Seitz
Client Service Representative
sueann.seitz@midwestlabs.com (402)829-9892

The result(s) issued on this report only reflect the analysis of the sample(s) submitted.

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REPORT NUMBER

15-062-4067

REPORT DATE
Mar 03, 2015

RECEIVED DATE
Feb 02, 2015

SEND TO
27857



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ISSUE DATE
Mar 03, 2015

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CRUDE OIL

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 ignite is the flash point.

Administrative, sampling, fees

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

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SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier CRUDE OIL		[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 3/2/15	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					
<p>Flammability</p> <p>Health</p> <p>Instability</p>					
Potential Health Effects Can be an irritant on skin or in the eyes.					

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. Check with physician about treatment.

SECTION 5 — FIRE FIGHTING MEASURES

Flammable	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	If yes, under which conditions? Vapors may ignite. Material will burn on water.	
Means of Extinction Foam, water mist, chemical suppression.				
Flashpoint (° C) and Method 164°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 Carbon dioxide or carbon monoxide.				
[NFPA]				

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 Viscous yellow liquid with mild earthy odor	Odor Threshold (ppm) Not tested
Specific Gravity 0.924 g/mL at 25°C	Vapor Density (air = 1) Not tested	Vapor Pressure (mmHg) Not tested
Evaporation Rate Not tested	Boiling Point (° C) > 200°C	Freezing Point (° C) < 0°C
pH 5.22 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 Carbon dioxide.		

SECTION 11 — TOXICOLOGICAL INFORMATION

Effects of Acute Exposure Sensitive individuals may exhibit skin, eye, or respiratory irritation.	
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.

SECTION 14 — TRANSPORT INFORMATION

Special Shipping Information No special shipping requirements.		PIN
TDG Not listed	[DOT] Not listed	
[IMO] 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 MSDS was obtained from reference material about the product and not based on specific tests or analyses carried out by the laboratory. This would include information about UEL and LEC, evaporation rate, etc.