

Sid Harvey item #'s F1-49, F1-49A & F1-49B SDS # Z0465

Section 1. Identification.

1.1 Product Identifier

Product Name **Oil Solutions™ Step 1**

1.2 Relevant Identified Users of the Substance and Uses Advised Against

Relevant Uses Component for Step 1/Step 2 Oil Spill Cleanup Product
Uses Advised Against None Known

1.3 Details of the Supplier of the Safety Data Sheet

Oil Solutions International
35 Mill St.
Amityville, NY 11701
Phone: 631-608-8889; After Hours: 631-608-8888
Fax: 516-221-7099
Website: www.cleaningupoil.com

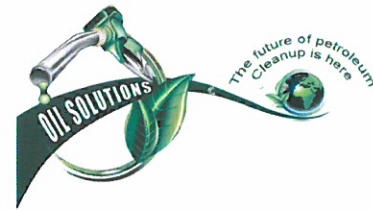
Section 2. Hazards Identification.

2.1 Signal Word and Pictogram(s): None, Non-Hazardous

2.1 GHS Classification of the Substance

Physical Hazards

Explosives	Not Applicable
Flammable Gases	Not Applicable
Flammable Aerosols	Not Applicable
Oxidizing Gases	Not Applicable
Gases Under Pressure	Not Applicable
Flammable Liquids	Not Applicable
Flammable Solids	Not Applicable
Self-Reactive Substances and Mixtures	Not Applicable
Pyrophoric Liquids	Not Applicable
Pyrophoric Solids	Not Applicable
Self-heating Substances and Mixtures	Not Applicable
Substance contacting water and Emit flammable gases	Not Applicable
Oxidizing Liquids	Not Applicable
Oxidizing Solids	Not Applicable
Organic Peroxides	Not Applicable
Corrosive to Metals	Not Applicable



Health Hazards

Acute Toxicity	
Oral	Category 5
Skin	Category 5
Inhalation (Gas)	Classification Not Available
Inhalation (Vapor)	Classification Not Available
Inhalation (Dust, Mist)	Classification Not Available
Skin Corrosion/Irritation	Category 5, Mild Skin Irritation
Serious Eye Damage/Irritation	Category 2, Could Cause Mild Eye Irritation
Respiratory Sensitization	Category 2
Skin Sensitization	Classification Not Available
Germ Cell Mutagenicity	Not Classified
Carcinogenicity	Classification Not Available
Reproductive Toxicity	Classification Not Available
Specific Target Organ Toxicity	
Single Exposure	Category 3
Repeated Exposure	Category 2
Aspiration Hazard	Classification Not Available

Environmental Hazards

Aquatic Toxicity	
Acute	Classification Not Available
Chronic	Classification Not Available

This product is not hazardous as defined by the US Occupational Safety and Health Administration (OSHA) under its Hazard Communication (HCS), 29 CFR 1910.1200.

UN Class and UN Number	Non-Regulated Commodity
Adverse Human Health Effects	Not available
Physical and Chemical Hazards	Not available
Environmental Effects	Not available

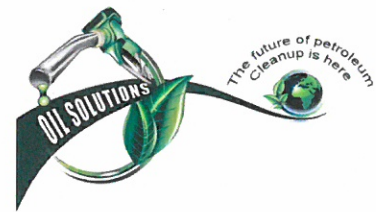
Section 3. Composition/Information on Ingredients.

3.1 Product Type - Mixture

Chemical Name	Concentration	CAS No.
Sodium Silicate	<18%	1344-09-8
Surfactant	<2%	-
Surfactant	<2%	-
Water	>78%	7732-15-5

The specific chemical substance identity and CAS Number are being withheld as a trade secret.

Section 4. First Aid Measures



4.1 Description of First Aid Measures

Eye Contact	Gently rinse the eyes and under the eyelids with water for at least 15 minutes. Remove contact lenses if present and easy to do so. Get medical attention if eye irritation persists.
Skin Contact	Immediately remove all contaminated clothing. Rinse skin with plenty of water.
Inhalation	Remove to fresh air and keep at rest in a comfortable position for breathing. If signs/symptoms continue, get medical attention.
Ingestion	Rinse mouth with water and drink plenty of water afterwards. Get medical advice. Do not induce vomiting.

Section 5. Fire-Fighting Measures.

5.1 Extinguishing Media

Use water, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special Hazard

The aqueous mixture is not flammable or combustible. Toxic gases (carbon monoxide) may form when other substances nearby are burned without sufficient oxygen.

5.3 Advice for Firefighters

Firefighters should wear proper protective equipment (helmet with face shield, bunker coats, gloves and rubber boots), including a pressure demand MSHA/NIOSH approved self-contained breathing apparatus. Keep personnel removed from and upwind of fire.

Section 6. Accidental Release Measures.

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

Wear appropriate respiratory protection and protective clothing. See Section 8.

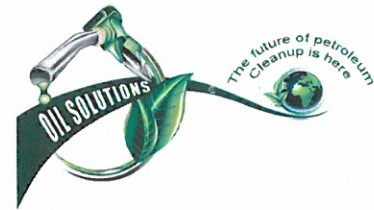
6.2 Methods and Material for Containment and Cleaning Up

Use good housekeeping practices. Ventilate area. Contain spill with Step 2 of the Step 1/Step 2 oil spill clean-up product. Shovel and sweep up or use industrial vacuum cleaner after drying. Put into containers for disposal.

Section 7. Handling and Storage.

7.1 Handling

Ensure adequate ventilation. Avoid contact with skin and eyes. Wash hands thoroughly after handling



7.2 Storage

Keep containers tightly closed in a dry, cool, well-ventilated area. Segregate from acids. Do not allow to freeze.

Section 8. Exposure Controls/Personal Protection.

8.1 Control Parameters

Occupational Exposure
 Limit Monitoring

Not Applicable for product, but applicable for the spilled substance being cleaned up.

8.2 Exposure Controls

Respiratory Protection

If engineering controls do not maintain performance to a level that is adequate to protect worker health, a NIOSH-approved respirator should be worn. In accordance with 29 CFR 1910.134, use either an atmosphere-supplying or an air-purifying respirator for organic vapors and dusts.

Protective Clothing

Safety glasses and protective clothing and gloves should be worn when product is being used in spill cleanup.

Protective Measures

Adequate ventilation and/or engineering controls are required when product used to clean up hydrocarbon spills.

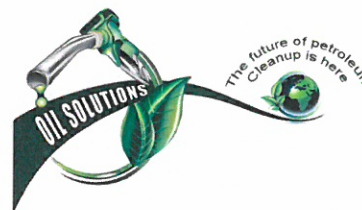
Section 9. Physical and Chemical Properties.

9.1 Information on Basic Physical and Chemical Properties

Appearance	Colorless to light yellow liquid
Odor	Mild odor
Boiling Point (deg. F)	Approximately 212 °F
Melting Point (deg. F)	Not Applicable
Flash Point	Not Flammable
pH	11.5
Specific Gravity (H ₂ O=1)	1.08 g/ml
Solubility in Water	Very Soluble
Vapor Pressure (mm Hg)	Not Applicable
Vapor Density (Air = 1)	Heavier than air
Evaporation Rate - (Butyl Acetate = 1)	Similar to water

Section 10. Stability and Reactivity.

10.1 Chemical Stability



This product is considered a stable material under normal storage and handling conditions.

10.2 Conditions to Avoid

Avoid contact with acids, aluminum, magnesium, calcium and zinc.

10.3 Hazardous Decomposition Products

None

Section 11. Toxicological Information.

11.1 Information on Toxicological Effects

Acute Toxicity	
Oral LD ₅₀	No Information Available
Dermal LD ₅₀	No Information Available
Inhalation LC ₅₀	No Information Available
Routes Exposure	
Inhalation	No Information Available
Ingestion	No Information Available
Dermal	No Information Available
Skin Corrosion/Irritation	No Information Available
Serious Eye Damage/ Irritation	No Information Available
Respiratory Sensitization	No Information Available
Skin Sensitization	No Information Available
Mutagenicity	No Information Available
Carcinogenicity	No Information Available
Reproductive Toxicity	No Information Available
Specific Target Organ	
Single Exposure	No Information Available
Repeated Exposure	No Information Available
Aspiration Toxicity	No Information Available

Section 12. Ecological Information.

12.1 Ecotoxicological Data

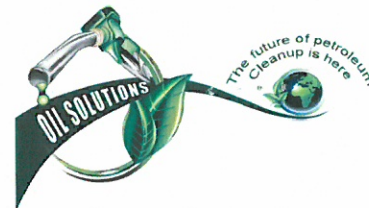
No Information Available

12.2 Persistence and Degradability

No Information Available

12.3 Mobility in Soil

No Information Available



12.4 Other Adverse Effects
No Information Available

Section 13. Disposal Considerations.

13.1 Waste Treatment Methods

All Oil Solutions Step 1 material should be disposed in conformance with applicable laws and regulations using good engineering practices. The best method is to mix the Oil Solutions Step 1 with Oil Solutions Step 2 to form a solid, allow for drying, and then dispose the solid.

Section 14. Transport Information.

14.1 UN Number

Non-Regulated Commodity

14.2 Proper Shipping Name

Not Applicable

14.3 Transport Hazard Class(es)

Not Hazardous by DOT

Section 15. Regulatory Information.

15.1 Inventory Status

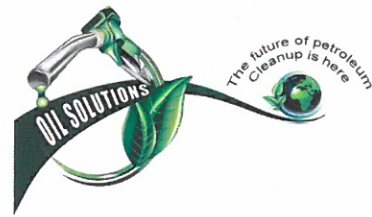
Not Listed

16.1 US Federal Regulations

Clean Water Act, SARA 313, SARA 311/312: Not applicable or not hazardous

Section 16. Other Information.

This Safety Data Sheet (SDS) is for guidance and is based upon information and tests believed to be reliable. Oil Solutions International makes no guarantee of the accuracy or completeness of the data and shall not be liable for any damages relating thereto. The data is offered solely for your consideration, investigation, and verification. The data should not be confused with local, state, federal or insurance mandates, regulations, or requirements and CONSTITUTE NO WARRANTY. Any use of this data and information must be determined by the proper person to be in accordance with applicable local, state or federal laws and regulations. The conditions or methods of handling, storage, use and disposal of the product(s) described are beyond the control of Oil Solutions International, and may be beyond our knowledge. FOR THIS AND OTHER REASONS, WE DO NOT ASSUME RESPONSIBILITY AND EXPRESSLY DISCLAIM LIABILITY FOR LOSS, DAMAGE OR EXPENSE ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE HANDLING, STORAGE, USE OR DISPOSAL OF THIS PRODUCT(S).



12.3 Mobility in Soil
No Information Available

12.4 Other Adverse Effects
No Information Available

Section 13. Disposal Considerations.

13.1 Waste Treatment Methods

All Oil Solutions Step 1 material should be disposed in conformance with applicable laws and regulations using good engineering practices. The best method is to mix the Oil Solutions Step 2 with Oil Solutions Step 1 to form a solid, allow for drying, and then dispose the solid.

Section 14. Transport Information.

14.1 UN Number
Non-Regulated Commodity

14.2 Proper Shipping Name
Not Applicable

14.3 Transport Hazard Class(es)
Not Hazardous by DOT

Section 15. Regulatory Information.

15.1 Inventory Status
Not Listed

16.1 US Federal Regulations
Clean Water Act, SARA 313, SARA 311/312: Not applicable, hazardous or reportable.

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(Butyl Acetate = 1) Similar to water

Section 10. Stability and Reactivity.

10.1 Chemical Stability

This product is a stable material under normal storage and handling conditions.

10.2 Conditions to Avoid

Avoid contact with bases.

10.3 Hazardous Decomposition Products

None

Section 11. Toxicological Information.

11.1 Information on Toxicological Effects

Acute Toxicity

Oral LD₅₀ No Information Available

Dermal LD₅₀ No Information Available

Inhalation LC₅₀ No Information Available

Routes Exposure

Inhalation No Information Available

Ingestion No Information Available

Dermal No Information Available

Skin Corrosion/Irritation No Information Available

Serious Eye Damage/

Irritation No Information Available

Respiratory Sensitization No Information Available

Skin Sensitization No Information Available

Mutagenicity No Information Available

Carcinogenicity No Information Available

Reproductive Toxicity No Information Available

Specific Target Organ

Single Exposure No Information Available

Repeated Exposure No Information Available

Aspiration Toxicity No Information Available

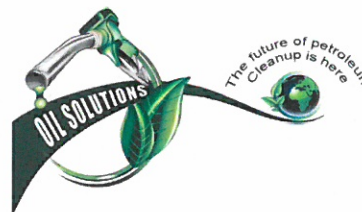
Section 12. Ecological Information.

12.1 Ecotoxicological Data

No Information Available

12.2 Persistence and Degradability

No Information Available



Section 7. Handling and Storage.

7.1 Handling

Ensure adequate ventilation. Avoid contact with skin and eyes. Wash hands thoroughly after handling

7.2 Storage

Keep containers tightly closed in a dry, cool, well-ventilated area. Segregate from acids. Do not allow to freeze.

Section 8. Exposure Controls/Personal Protection.

8.1 Control Parameters

Occupational Exposure
Limit Monitoring

Not Applicable for product, but applicable for the spilled substance being cleaned up.

8.2 Exposure Controls

Respiratory Protection

If engineering controls do not maintain performance to a level that is adequate to protect worker health, a NIOSH-approved respirator should be worn. In accordance with 29 CFR 1910.134, use either an atmosphere-supplying or an air-purifying respirator for organic vapors and dusts.

Protective Clothing

Safety glasses and protective clothing and gloves should be worn when product is being used in spill cleanup.

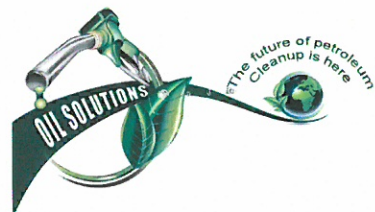
Protective Measures

Adequate ventilation and/or engineering controls are required when product used to clean up hydrocarbon spills.

Section 9. Physical and Chemical Properties.

9.1 Information on Basic Physical and Chemical Properties

Appearance	Colorless liquid
Odor	Odorless
Boiling Point (deg. F)	Approximately 212 °F/100 °C
Melting Point (deg. F)	Not Applicable
Flash Point	Not Flammable
pH	3
Specific Gravity (H ₂ O=1)	1.19 g/ml
Solubility in Water	Very Soluble
Vapor Pressure (mm Hg)	Not Applicable
Vapor Density (Air = 1)	Heavier than air
Evaporation Rate -	



Water	<60%	7732-15-5
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*The specific chemical substance identity and CAS Number are being withheld as a trade secret.

Section 4. First Aid Measures

4.1 Description of First Aid Measures

Eye Contact	Immediately flush eyes and under the eyelids with water for at least 15 minutes. Remove contact lenses if present. Get medical attention if eye irritation persists.
Skin Contact	Remove all contaminated clothing. Rinse skin with plenty of water.
Inhalation	Remove to fresh air and keep at rest in a comfortable position for breathing. If signs/symptoms continue, get medical attention.
Ingestion	Rinse mouth with water and drink plenty of water afterwards. Get medical advice. Do not induce vomiting.

Section 5. Fire-Fighting Measures.

5.1 Extinguishing Media

Use water, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special Hazard

The aqueous mixture is not flammable or combustible. Toxic gases (carbon monoxide) may form when other substances nearby are burned without sufficient oxygen.

5.3 Advice for Firefighters

Firefighters should wear proper protective equipment (helmet with face shield, bunker coats, gloves and rubber boots), including a pressure demand MSHA/NIOSH approved self-contained breathing apparatus. Keep personnel removed from and upwind of fire.

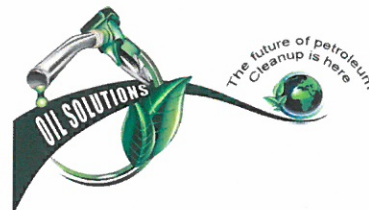
Section 6. Accidental Release Measures.

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

Wear appropriate respiratory protection and protective clothing. See Section 8.

6.2 Methods and Material for Containment and Cleaning Up

Use good housekeeping practices. Ventilate area. Contain spill with Step 2 of the Step 1/Step 2 oil spill clean-up product. Shovel and sweep up or use industrial vacuum cleaner after drying. Put into containers for disposal.



And emit flammable gases	Not Applicable
Oxidizing Liquids	Not Applicable
Oxidizing Solids	Not Applicable
Organic Peroxides	Not Applicable
Corrosive to Metals	Not Applicable

Health Hazards

Acute Toxicity	
Oral	Classification Not Available
Skin	Classification Not Available
Inhalation (Gas)	Classification Not Available
Inhalation (Vapor)	Classification Not Available
Inhalation (Dust, Mist)	Classification Not Available
Skin Corrosion/Irritation	Category 3, Mild Skin Irritation
Serious Eye Damage/Irritation	Category 2, Could Cause Eye Irritation
Respiratory Sensitization	Classification Not Available
Skin Sensitization	Classification Not Available
Germ Cell Mutagenicity	Classification Not Available
Carcinogenicity	Classification Not Available
Reproductive Toxicity	Classification Not Available
Specific Target Organ Toxicity	
Single Exposure	Category 3
Repeated Exposure	Category 2
Aspiration Hazard	Classification Not Available

Environmental Hazards

Aquatic Toxicity	
Acute	Classification Not Available
Chronic	Classification Not Available

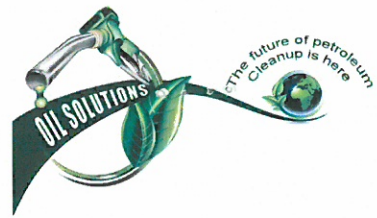
This product is not hazardous as defined by the US Occupational Safety and Health Administration (OSHA) under its Hazard Communication (HCS), 29 CFR 1910.1200.

UN Class and UN Number	Non-Regulated Commodity
Adverse Human Health Effects	Not available
Physical and Chemical Hazards	Not available
Environmental Effects	Not available

Section 3. Composition/Information on Ingredients.

3.1 Product Type - Mixture

Chemical Name	Concentration	CAS No.
Weak Acid*	-	-
Salt*	-	-
Polymer*	-	-



Section 1. Identification.

1.1 Product Identifier

Product Name **Oil Solutions™ Step 2**

1.2 Relevant Identified Users of the Substance and Uses Advised Against

Relevant Uses Component for Step 1/Step 2 Oil Spill Cleanup Product
Uses Advised Against None Known

1.3 Details of the Supplier of the Safety Data Sheet

Oil Solutions International
35 Mill St.
Amityville, NY 11701
Phone: 631-608-8889; After Hours: 631-608-8888
Fax: 516-221-7099
Website: www.cleaningupoil.com

Section 2. Hazards Identification.

2.1 Signal Word and Pictogram(s)

Warning	
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2.1 GHS Classification of the Substance

Could cause skin irritation. Could cause serious eye irritation.

Physical Hazards

Explosives	Not Applicable
Flammable Gases	Not Applicable
Flammable Aerosols	Not Applicable
Oxidizing Gases	Not Applicable
Gases Under Pressure	Not Applicable
Flammable Liquids	Not Applicable
Flammable Solids	Not Applicable
Self-Reactive Substances and Mixtures	Not Applicable
Pyrophoric Liquids	Not Applicable
Pyrophoric Solids	Not Applicable
Self-heating Substances and Mixtures	Not Applicable
Substance contacting water	

OIL SOLUTIONS STEP ONE ADDITIVE
Material Safety Data Sheet

SH ITEM# F1-49, F1-49A, F1-49B

Meets OSHA Standard 29 CFR 1910.1200(g)
Effective Date: June 12, 2006

SECTION I: CHEMICAL PRODUCT AND COMPANY INFORMATION

Trade Name : Oil Solutions™ Step 1 Additive
Company Name : Oil Storage Solutions Corp.
Address: 1432 Wantagh Ave, Wantagh, NY 11793

SECTION II: COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Mixture Components</u>	<u>CAS Reg No.</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Sodium silicate solution	7732-18-5	Not Established	Not Established

Contains no other hazardous ingredients as defined by OSHA 29CFR 1910.1000(z) and 29CFR 1910.1200.

SECTION III: HAZARDS IDENTIFICATION

Hazardous Materials

Identification System (HMIS)

Health	1
Flammability	0
Reactivity	0
Special	None

Hazard Rating Scale

Minimal	0
Slight	1
Moderate	2
Serious	3
Severe	4

Primary Routes of Exposure

Eye Contact : Direct contact may causeslight eye irritation.

Skin Contact : Prolonged contact may cause slight skirritation, skin drying or dermatitis.

Inhalation : Inhalation of vapor or mist may cause slight respiratory tract irritation.

Ingestion: May cause irritation to the mouth, esophagus and stomach.

Chronic Hazards: No known chronic hazards.

Physical Hazards: Dries to form a glass film which can easily cut skin. Spilled material is very slippery. Can etch glass if not promptly removed.

SECTION IV: FIRST AID MEASURE

Eye contact : Flush eyes with large amounts of water for 15 minutes. Get medical attention promptly.

Skin : Thoroughly wash exposed area with plenty of water. Consult a physician if irritation persists.

Inhalation : Move subject to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Ingestion: Do not induce vomiting. Get medical attention immediately. If victim is fully conscious, give a cupful of water. Never give anythingby mouth to an unconscious person.

Note to Physician : This product is alkaline with pH of 11.5.

SECTION V: FIRE AND EXPLOSION HAZARD INFORMATION

Flash Point : Non-combustible.

Extinguishing Media : Use extinguishing media appropriate for surrounding fire. This material is compatible with all extinguishing media.

Hazards to Fire-Fighters: See Section III for information on hazards when thismaterial is present in the area of a fire.

SECTION VI: ACCIDENTAL RELEASE MEASURES

Personal Protection : See SECTION VIII for the appropriate protective equipment for handling a spill of this material.

See SECTION IV for first aid actions if exposed to material during clean-up operations.

Procedures : Avoid falls since surface may be slippery. Contain spills with sand orearth. If available, use OIL SOLUTIONS STEP 2 additive or dilute acid to form an inert, non-hazardous wet solid. Transfer the substance and the diking material to suitable containers for disposal. Not a RCRA Hazardous waste.

SECTION VII: HANDLING AND STORAGE

Storage Conditions : Do not store in aluminum, fiberglass, copper, brass, zinc or galvanized containers. Do not store near strong acids, reactive metals, and ammonium salts. Keep from freezing. Store between 1°C/34°F and 60 °C/140 °F.
 Handling Procedures : See SECTION VIII for types of personal protection required.

SECTION VIII: EXPOSURE CONTROLS & PERSONAL PROTECTION

Engineering Controls: Use local exhaust to control vapors/mists.
 Respiratory Protection: Use NIOSH-certified mist respirator where mist occurs (29 CFT 1910.134).
 Protective Gloves : Wear rubber gloves.
 Eye Protection: Use splash goggles or face shield if possibility of material splashing, spraying or misting exists.
 Other Protective Equipment : Use chemical resistant apron or impervious clothing to avoid contamination of regular clothing resulting in prolonged or repeated skin contact. Safety shower and eyewash fountain should be within access.
 Personal Hygiene : Minimize breathing vapor or mist, avoid prolonged contact with skin, remove contaminated clothing and launder before reuse. Clean contaminated shoes before reuse.

SECTION IX: PHYSICAL AND CHEMICAL PROPERTIES

Boiling point:	100 °C/212°F
Appearance:	Clear to light yellow liquid
Evaporation Rate :	Similar to water
Odor Characteristic :	Mild odor
PH:	11.5
Specific Gravity (Water = 1):	1.18
Soluble in water:	Very Soluble
Vapor Density (Air = 1):	Heavier than air
Vapor Pressure :	ND

SECTION X: STABILITY AND REACTIVITY

This product is stable and will not react with water or polymerize. Avoid contact with strong acids because product gels. Flammable hydrogen gas may be produced on prolonged contact with aluminum, tin, lead, and zinc.

SECTION XI: TOXICOLOGICAL INFORMATION

None of the components of this material are considered carcinogenic by NTP, IARC, OSHA or ACGIH.

SECTION XII: ECOLOGICAL INFORMATION

This product contains nothing known to be harmful to the environment when neutralized.

SECTION XIII: DISPOSAL CONSIDERATIONS

Neutralize the STEP 1 additive with dilute acid or STEP 2 additive until the pH is neutral. Transfer the wet sand-like substance to a suitable container for proper disposal in accordance with local, state and federal regulations.

SECTION XIV: TRANSPORT INFORMATION

US DOT Hazard Class: This material is not a regulated hazardous material for transportation.

SECTION XV: REGULATORY INFORMATION

Workplace Classification : This product's components are considered non-hazardous under the OSHA 29CFR 1910.1200.
 SARA TITLE III: Section 311/312/313 Categorizations (40CFR 370/372) : This product's components are non-hazardous in Section 313 at or above de minimis concentrations.
 CERCLA Information (40CFR 302.4): No CERCLA Reportable Quantity is established for this material's components.
 TSCA: The Sodium silicate component is listed on the TSCA inventory.
 Waste Classification : When a decision is made to discard this material as supplied, it does not meet RCRA's characteristic definition of ignitability, corrosivity, toxicity or reactivity, and its not listed in 40CFR 261.33.

This information contained herein relates only to the specific material identified. Oil Storage Solutions Corp. believes that such information is accurate and reliable as of the date of this material safety data sheet, but not representation, guarantee or warranty, express or implied, is made as to the accuracy, reliability, or completeness of the information. OSS Corp. urges persons receiving this information to make their own determination as to the information's suitability and completeness for their particular application.