Safety Data Sheet
Oil Solutions™ Liquid Step 1
12/17/2021
Version 03

OIL SOLUTIONS INTERNATIONAL CORP
Patented Oil Remediation Technology

Section 1. Identification.

1.1 Product Identifier

Product Name **Oil Solutions™ Liquid 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

Appropriate engineering Controls:	Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor, or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.
Environmental exposure controls:	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual Protection Measures

Hygiene measures:	Wash hands, forearms, and face thoroughly after handling chemical products, before eating, smoking, and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
Eye/face protection:	Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases, or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

Skin Protection

Hand protection:

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Body Protection:	Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear antistatic protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots, and gloves.
Other skin protection:	Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Respirator protection:	Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Section 9. Physical and Chemical Properties.

9.1 Information on Basic Physical and Chemical Properties

• Appearance (Physical state, color)	Liquid; Colorless to light yellow
• Odor	Mild Odor
• Odor threshold;	NA / similar to water
• pH	11.5
• Melting point/freezing point	NA / 32° F
• Initial boiling point / boiling range	Approximately 212° F. / NA
• Flash point	Not Flammable
• Evaporation rate	Butyl Acetate = 1 / similar to water
• Flammability (solid,gas)	N/A Not Flammable
• Upper / lower flammability	Not Flammable or explosive
• Vapor pressure (mm Hg)	Not applicable
• Vapor Density (Air=1)	Heavier than air
• Relative Density	(H_20=1) 1.16 g/ml
• Solubility(ies)	Very soluble in water
• Partition coefficient: n-octanol/water	N/A
• Auto-ignition temperature	Not Flammable
• Decomposition temperature	N/A
• Viscosity	10-30 cps

Section 10. Stability and Reactivity.
Chemical Stability

10.1 Conditions to Avoid
Avoid contact with acids, aluminum, magnesium, calcium, and zinc.

10.2 Hazardous Decomposition Products
None

Section 11. Toxicological Information.

11.1 Information on Toxicological Effects

Acute Toxicity	
Oral LD_{50}	No Information Available
Dermal LD_{SO}	No Information Available
Inhalation LC_{SO}	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.

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