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## SAFETY DATA SHEET

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### Section 1: IDENTIFICATION

**Product Name:** SSR-501 Surrogate Soln

**Product Code:** 03985

**MSDS Date:** December 15, 2014

PRI  
700 Industrial Drive  
Dupo, IL 62239

**General Information:** 618-286-5000

**Emergency Information:** 618-286-5000

### Section 2: HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

**GHS Classification:**

Skin Irritation, (Category 2)

Eye Irritation, (Category 2B)

Toxic by Inhalation, (Category 4)

Aspiration Hazard, (Category 1)

**GHS Labeling**



**Symbol:**

**Signal Word:** Danger

**Hazard Statements:**

Causes skin irritation.

Causes eye irritation

Harmful if inhaled.

May be fatal if swallowed and enters airways

**Precautionary Statements:**

**Prevention:**

Avoid breathing mist/vapors/spray.

Use only outdoors or in a well-ventilated area.

Wash thoroughly after handling.

Wear protective gloves.

**Response:**

Call a poison center/doctor if you feel unwell.

Do NOT induce vomiting.

If eye irritation persists: Get medical advice/attention.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

If inhaled: Remove person to fresh air and keep comfortable for breathing.

If on skin: Wash with plenty of water.  
If skin irritation occurs: Get medical advice/attention.  
If swallowed: Immediately call a poison center/doctor.  
Take off contaminated clothing and wash it before reuse.

**Storage:**

Store locked up.

**Disposal:**

Dispose of contents/container in accordance with local/regional/national/international regulations.

**Potential Health Effects:** See Section 11 for more information

This product does not contain carcinogens or potential carcinogens as listed by IARC, NTP, or ACGIH.

This material contains components that are considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

**Potential Environmental Effects:** See Section 12 for more information.

### Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

No.	Component CAS REG. NO.	Amount %	OSHA		ACGIH	
			TWA	STEL	TWA	STEL
1	Hydrotreated Light Distillates (petroleum) CAS#64741-44-2	50-100	500 ppm	Not avail	Not avail	Not avail

### Section 4: FIRST AID MEASURES

**Emergency first aid procedures by route of exposure:**

**Inhalation:** If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Call a physician if symptoms develop or persist.  
**Ingestion:** Rinse mouth. If ingestion of a large amount does occur, call a poison control center immediately.  
**Skin:** Rinse skin with water/shower. Get medical attention if irritation develops and persists.  
**Eyes:** Rinse with water. Get medical attention if irritation develops and persists.

### Section 5: FIRE FIGHTING MEASURES

**Flash Point Hydrotreated Light Distillates (petroleum):** 260°F (TCC) = 126.7°C  
**Auto-ignition Temperature Hydrotreated Light Distillates (petroleum):** not available  
**Lower Explosion Limit Hydrotreated Light Distillates (petroleum):** not available  
**Upper Explosion Limit Hydrotreated Light Distillates (petroleum):** not available

**Suitable Extinguishing Media:**

Water fog.

**Products of Combustion:**

Upon decomposition this product may emit carbon dioxide, carbon monoxide, and/or low molecular weight hydrocarbons.

**Fire Fighting Equipment/Instructions:**

Wear suitable protective equipment. Move containers from fire area if you can do so without risk.

HAZARD	HMIS	NFPA
Toxicity	1	1
Fire	1	1
Reactivity	0	0

## Section 6: ACCIDENTAL RELEASE MEASURES

**Personal Protection:** Keep unnecessary personnel away. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak. Keep upwind. Keep out of low areas.

**Environmental Precautions:** Prevent further leakage or spillage if safe to do so.

**Method for Containment:** ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Prevent entry into waterways, sewer, basements or confined areas.

**Methods for Clean-up:** Extinguish all flames in the vicinity. Should not be released into the environment.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water. Scrub the area with detergent and water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills in original containers for re-use. For waste disposal, see section 13 of the MSDS.

## Section 7: HANDLING AND STORAGE

### Handling:

DO NOT handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Handle and open container with care.

### Storage:

Keep away from heat, sparks and open flame. Use care in handling/storage.

## Section 8: EXPOSURE CONTROLS/ PERSONAL PROTECTION

**Engineering Controls:** Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.

### Personal Protective Equipment (PPE)

**Respiratory Protection:** A respiratory protection program that meets OSHA's 29CFR 1910.134 or ANSI Z88.2 requirements must be followed whenever workplace conditions warrant respirator use.

**Eye/Face Protection:** Chemical goggles/safety glasses are recommended.

**Hand Protection:** Wear chemical protective equipment that is specifically recommended by the manufacturer.

**Body:** Normal work clothing (long sleeved shirts and long pants) is recommended.

### General hygiene considerations

When using do not smoke. Keep away from food and drink. Handle in accordance with good industrial hygiene and safety practice.

### Other Protective Equipment:

Facilities storing or utilizing this material should be equipped with eyewash and safety shower facilities.

See section 3 for exposure limits.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

**Appearance, State:** Liquid  
**Color:** Clear  
**Odor:** typical solvent  
**pH:** Not Available  
**Vapor Density:** Not Available  
**Boiling Point** >500°F  
**Vapor Pressure:** 0.018 torr @ 68°F, ASTM D2879  
**Melting Point/freezing point:** Not available  
**Flash Point** (See Section 5)  
**Flammability Properties** (See section 5)  
**Solubility** (in water) negligible in water  
**Specific Gravity:** 0.8397 estimated  
**Evaporation Rate:** Not Available  
**Octanol/Water partition coefficient (Kow):** Not Available  
**Auto-ignition temperature:** Not Available  
**Decomposition temperature:** Not Available  
**Viscosity:** Not Available

## Section 10: STABILITY AND REACTIVITY

**Stability:** This material is considered stable at ambient temperatures 70°C (21°C).

**Condition to Avoid:** Flames, sparks, electrostatic discharge, heat and other ignition sources, moisture.

**Incompatible Materials:** Not available

**Hazardous Decomposition:** Not available

**Hazardous Reactions:** This product will not undergo polymerization.

## Section 11: TOXICOLOGICAL INFORMATION

### ACUTE EFFECTS:

#### Analysis LD50

Hydrotreated Light Distillates (petroleum) (64742-47-8)  
Inhalation LC50 Rat 1.72 mg/L 4 h;  
Oral LD50 Rat >5000 mg/kg;  
Dermal LD50 Rabbit >2000 mg/kg

### CHRONIC EFFECTS:

Hydrotreated Light Distillates (petroleum) (64742-47-8)

**Carcinogenic Effects:** Not classifiable as a human carcinogen

**Mutagenic Effects:** Not Available

**Teratogenic Effects:** Not Available

**Developmental Toxicity:** Not Available

**Target Organs:** Lungs, Nervous System, Digestive System, Respiratory Tract, Skin, Eyes. Eyes: Avoid contact with eyes. Skin: Avoid contact with skin. Inhalation: Toxic by inhalation. Do not breathe mist/vapors/spray. Ingestion: Do not ingest.

## Section 12: ECOLOGICAL INFORMATION

**Ecotoxicity:** Hydrotreated Light Distillates (petroleum) (64742-47-8)  
96 Hr LC50 Pimephales promelas: 45 mg/L [flow-through];

96 Hr LC50 Lepomis macrochirus: 2.2 mg/L [static];  
96 Hr LC50 Oncorhynchus mykiss: 2.4 mg/L [static]  
96 Hr LC50 Den-dronereides heteropoda: 4720 mg/L

### Section 13: DISPOSAL CONSIDERATIONS

Dispose of in accordance with local, state, and federal regulations.

### Section 14: TRANSPORT INFORMATION

Not regulated as a dangerous good.

### Section 15: REGULATORY INFORMATION

**TSCA Inventory** This product and/or its components are listed on the Toxic Substances Control Act (TSCA) inventory.

**SARA 302/304** The Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires facilities subject to Subparts 302 and 304 to submit emergency planning and notification information based on Threshold Planning Quantities (TPQs) and Reportable Quantities (RQs) for "Extremely Hazardous Substances" listed in 40 CFR 302.4 and 40 CFR 355. No components were identified.

**SARA 313:** No components were identified.

**CERCLA:** The Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) requires notification of the National Response Center concerning release of quantities of "hazardous substances" equal to or greater than the reportable quantities (RQ's) listed in 40 CFR 302.4. As defined by CERCLA, the term "hazardous substance" does not include petroleum, including crude oil or any fraction thereof which is not otherwise specifically designated in 40 CFR 302.4. Chemical substances present in this product or refinery stream that may be subject to this statute are: No components were identified.

**SARA 311/312 Hazard** The Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires facilities subject to this subpart to submit aggregate information on chemicals by "Hazard Category" as defined in 40 CFR 370.2. This material would be classified under the following hazard categories: immediate

**California Prop 65:** No components were identified.

### Section 16: OTHER SUPPLEMENTAL INFORMATION

Prepared on December 1, 2014

#### Disclaimer:

The information and recommendations contained in the Safety Data Sheet (SDS) are supplied pursuant to 29 CFR 1910.1200 of the Occupational Safety and Health Standards Hazard Communication Rule. The information and recommendations set forth herein are presented in good faith and believed to be correct as of this date hereof.

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