

NOTICE: Judgment may be based on indirect test and technical literature. The OSHA Hazard Communication Standard only requires SDS's and special labeling for materials defined as "HAZARDOUS"; see 29 CFR 1910.1200 (c). This document may be about a product which is NOT hazardous but is provided as information for our customers. See references for information.

**SECTION 1. IDENTIFICATION**

Product Identifier: Versafloc LHD +	Emergency Telephone #: 1-800-424-9300
Product Use: Flocculant	General Information #: 985-873-7208
Manufactured for/Distributed by: Rig-Chem, LLC	Prepared by: Sonya Lockhart
132 Thompson Road	Date Prepared: December 10, 2014
Houma, LA 70363	

**SECTION 2. HAZARD(S) IDENTIFICATION**

- HMIS Ratings: Health 0, Fire 0, Reactivity 0 (scale 0 – 4)
- Product VOC: 0%
- May cause irritation to eyes.
- May cause irritation to skin.

**SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS**

Ingredient	Common Names	CAS #	Concentration Range %
Contains no hazardous ingredients	Not applicable	Not applicable	Not applicable

**SECTION 4. FIRST AID MEASURES**

- **Eyes:** Flush well with water for at least 15 minutes, holding eyelids open. Remove any contact lenses. Seek medical attention.
- **Skin:** Wash well with soap and water. Remove contaminated clothing and launder before reuse. If irritation develops and persists, seek medical attention.
- **Inhalation:** If symptoms develop, move victim to fresh air. If breathing is difficult, have a trained person administer oxygen. If respiration stops, have a trained person administer artificial respiration and call a physician.
- **Ingestion:** Call a physician immediately. If victim is completely conscious and aware, rinse out mouth then give 8-16oz. to dilute. Never give anything by mouth to an unconscious person. Induce vomiting if recommended by medical personnel.

**SECTION 5. FIRE-FIGHTING MEASURES**

Flammability: Not flammable

Flash Point: Not flammable

- **Extinguishing Media:** Use media appropriate for surrounding fire. Do not spray water directly on fire. Use water spray to cool containers.
- **Specific hazards arising from chemical:** None known.
- **Hazardous combustion products:** Carbon monoxide and carbon dioxide.
- **Firefighting protective equipment:** Wear a self-contained breathing apparatus with a full face piece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment.
- **Sensitivity to static discharge:** This product is not combustible.

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

Personal Precautions: Use personal protective equipment. Eliminate all ignition sources. Ventilate area.

- **For Small Spills:** Spilled material may be slippery. Avoid dispersal of material and runoff into soil, waterways, drains and sewers. Absorb spill with vermiculite or other inert material, then place in a container for chemical waste. Wash walking surfaces with water to reduce slipping hazard. Dispose of contaminated absorbent material in accordance with local, state and federal regulations.
- **For Large Spills:** Large spills cannot occur due to packaging.

**SECTION 7. HANDLING AND STORAGE**

- **Handling:** Wear personal protection equipment. Use with adequate ventilation. Never use welding or cutting torch on or near drum (even empty) because product can ignite explosively. Do not premix with other chemicals. Do not eat, drink or smoke in work areas.
- **Storage:** Keep away from heat, flame, or sunlight. Keep from freezing. Keep container closed when not in use. Protect from physical damage. Store away from strong oxidizing agents.

**SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

Ingredient	CAS #	OSHA/PEL	ACGIH/TLV	STEL
Contains no hazardous materials	Not applicable	Not applicable	Not applicable	Not applicable

Engineering Controls: Provide adequate ventilation. Keep the risk of exposure to a minimum.

Personal protective equipment:

- Eye: Safety glasses with side shields or splash proof goggles.
- Skin: Chemical resistant gloves.
- Respirator: Use NIOSH approved protection if ventilation is inadequate, mists/sprays are generated, or vapors are causing irritation.
- Clothing: Normal materials handling clothing.
- Other: Use only in a well ventilated area.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Odor	Colorless, clear liquid None to mild	Upper/Lower flammability limits Vapor pressure	Not determined <1 mmHG @ 20°C
Odor threshold	Not determined	Density	62.9 lb/ft <sup>3</sup>
pH at 1% solution	8 – 9	Specific gravity (water = 1.0)	1.235 g/ml
Melting point Freezing point	Not determined 32.0°F	Solubility Partition coefficient (n-octanol/water)	Complete in water Not determined
Boiling point	Not determined	Auto-ignition temperature	Not determined
Flash point	Not determined	Decomposition temperature	Not determined
Evaporation rate (n-butyl acetate=1)	<1	Viscosity	Viscous
Flammability	Not flammable	%Volatile/Volume	Not determined

SECTION 10. STABILITY AND REACTIVITY

- Reactivity: Not reactive under normal conditions.
- Chemical stability: Stable under normal, ambient temperature and conditions.
- Possibility of hazardous reactions: Hazardous polymerization will not occur.
- Conditions to avoid: Heat, flame and sparks. Keep from freezing. Do not mix with other chemicals
- Incompatible materials: Avoid strong oxidizing agents.
- Hazardous combustion products: Carbon monoxide and carbon dioxide.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute and Chronic Toxicity (short and long term):

- Eye Contact: May cause eye irritation.
- Skin Contact: May cause skin irritation.
- Inhalation: Not expected to cause respiratory tract irritation.
- Ingestion: May cause irritation to the gastrointestinal tract.
- Oral (LD50 Rat): Not determined
- Dermal (LD50 Rabbit): Not determined
- Inhalation (LC50 Rat): Not determined
- NTP/IARC/OSHA Carcinogen: No

SECTION 12. ECOLOGICAL INFORMATION

Aquatic Effects:

- 96h LC-50 (fish): Not determined
- 48h EC-50 (invertebrates): Not determined
- 96h LC-50 (algae): Not determined
- Persistence and degradability: Not determined
- Bioaccumulation: No data available.
- Mobility: This product is soluble in water and may spread in water systems. Soil mobility not determined.

SECTION 13. DISPOSAL CONSIDERATIONS

- Disposal of Wastes: Do not dump into sewers, on the ground or into any waterways. All disposal practices must be in compliance with all Federal, State/Provincial and local laws and regulations.
- Contaminated Packaging: Since emptied containers retain product residue, follow label warnings even after container is emptied. Do not cut, drill, grind or weld on or near the container.
- RCRA: Not applicable.

SECTION 14. TRANSPORT INFORMATION

United States D.O.T.:

- Not regulated

IATA and IMDG:

- Not regulated
- Marine Pollutant (IMDG Code): No
- Transportation in bulk (IMDG - Annex II of MARPOL 73/78 and IBC Code): Not regulated.

SECTION 15. REGULATORY INFORMATION

TSCA: All components of this product are on the TSCA inventory or are exempt from TSCA inventory requirements under 40 CFR 720.30.

SARA Section 302: The components of this product are either not regulated or regulated, but present in negligible concentrations.

SARA TITLE III Section 311/312:

- Immediate (Acute) Health = No
- Delayed (Chronic) Health = No

- Fire Hazard - No
- Reactive Hazard = No

SARA Title 313: This material does not contain any chemical components with known CAS numbers that exceed the De Minimis reporting levels (40 CFR 372).

CERCLA: This product does not have a reportable quantity.

United States Right-To-Know: None known.

Proposition 65: This material does not contain any chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

RCRA: Not applicable.

SECTION 16.

OTHER INFORMATION

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- Date Prepared: December 10, 2014
- Carefully read all instructions on label before handling this product.
- Keep out of reach of children.
- "FOR INDUSTRIAL USE ONLY"

The information contained herein is based on data available to us and is believed to be correct. We make no warranty, however, expressed or implied regarding the accuracy of these data or the results obtained from the use thereof.

Regulatory Standards: DOT TITLE 49, Code of Federal Regulations 172.101: Parts 100 to 177, Revised 10/1/92.

SUPER FUND AMENDMENTS REAUTHORIZATION ACT OF 1986, TITLE III TOXIC SUBSTANCE CONTROL ACT LIST (TSCA)- INGREDIENTS LISTED. REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES NATIONAL TOXICOLOGICAL PROGRAM (NTP) REPORT OF CARCINOGENS INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC) MONOGRAPHS, OCCUPATIONAL SAFETY & HEALTH REGULATIONS. CODE OF FED. REGS. FOOD & DRUG, 21 PARTS 170 to 199,

Revised 4/1/91, 173.310.