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## SAFETY DATA SHEET

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### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Vegetable oil salt - Powder form [Zinc Ricinoleate]

Product Number: S2004

Revision: 1.01

Sarchem Labs, Inc.  
5012 Industrial Road  
Farmingdale, NJ 07727

Emergency Phone No: 800-255-3924  
International: +1-813-248-0585  
ChemTel Inc Contract No. MIS0009049

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### 2. HAZARDS INFORMATION:

#### 2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

For the full text of the H-Statements mentioned in this Section, see Section 16.

#### GHS Label elements, including precautionary statements

Emergency Overview

#### Pictogram

none

#### Signal word

Warning

#### Hazard statement(s)

#### Precautionary statement(s)

#### 2.3 Hazards not otherwise classified (HNOC) or not covered by GHS - none

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### 2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS#</u>	<u>Molecular Weight</u>
Zinc Ricinoleate	13040-19-2	660.29 g/mol

Formula: C<sub>36</sub>H<sub>66</sub>O<sub>6</sub>Zn

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#### 4. FIRST AID MEASURES:

**General Advice**

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangers area.

**If inhaled**

If breathed in, move person into fresh air. If not breathing give artificial respiration. Consult a physician.

**In case of skin contact**

Wash off with soap and plenty of water. Consult a physician.

**In case of eye contact**

Flush eyes with water as a precaution.

**If swallowed**

Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

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#### 5. FIRE FIGHTING MEASURES

**FLAMMABLE PROPERTIES:**

Flash Point: Non-flammable solution.

**FLAMMABLE LIMITS:** Not determined.

**HAZARDOUS COMBUSTION PRODUCTS:** Water must not be boiled-off before product will burn. Burns to produce oxides of carbon, nitrogen, and sulfur in large fires.

**FIRE FIGHTING INSTRUCTIONS:**

**Fire Fighting Procedures:** The liquid will not sustain combustion. Move containers from the fire area if you can do so without risk. Do not scatter spilled material with high-pressure water streams. Dike fire-control water for later disposal. Use agents suitable for type of surrounding fire. Avoid breathing vapors, keep upwind.

**Extinguishing Media:** Water spray (fog), or foam for large fires. CO<sub>2</sub> or dry chemicals for small fires.

**Unusual Fire & Explosive Hazards:** None.

NFPA: H1 = Slightly Hazardous; F1 = Must be preheated to burn; R0 = Normally stable.

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#### 6. ACCIDENTAL RELEASE MEASURES:

**SMALL SPILL:** Recover as much material as practical. Soak up balance with sand, dirt, or other absorbent and haul to approved dump. Wash away residue with water. The washings should be discharged to a plant or municipal process water treatment systems. Avoid direct discharge to natural waterways. Material may initially gel or solidify on contact with water.

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## 7. HANDLING & STORAGE

**HANDLING:** Spilled material is slippery on walkways and highways. Foams profusely when hit with a stream of water. Wash thoroughly after handling. Do not get in eyes. Avoid skin and clothing contact.

**STORAGE:** Do not store with strong oxidizing agents. Store in plastic or plastic lined steel tightly closed containers. Containers should be stored at temperatures between 40 and 100°F. See Sections 10 and 15 for additional information.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION:

**ENGINEERING CONTROLS:** General (mechanical) room ventilation

**RESPIRATORY PROTECTION:** Yes, if working in confined spaces. Use MSHA OR NIOSH approved organic vapor respirator protection should be used for cleaning large spills or entry into tanks, vessels, or other confined spaces.

**SKIN PROTECTION:** Protective gloves (PVC-coated), long sleeve shirt, trousers, and chemical resistant boots.

**EYE PROTECTION:** Safety glasses or goggles.

**Other Protection:** Eye bath and safety shower located near work process area.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES:

Appearance:	white to cream color powder
Content of Zinc:	5.6-6.6%
Boiling Point:	Not available
Melting Point:	160° F
Vapor Pressure:	Not available
% Volatile by Weight:	Not available
Solubility in Water:	Not available
Density	Not available
pH of Liquid, Typical (10% soln):	7.2-7.8
Specific Gravity	Approx. 600 kg/m <sup>3</sup>
Odor:	No

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## 10. STABILITY AND REACTIVITY:

**Chemical Stability:** Stable compound

**Incompatibility:** N/A

**Conditions to Avoid:** N/A

**Hazardous Decomposition Conditions:** N/A

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#### 11. TOXICOLOGICAL INFORMATION:

**EYES:** Eye (rabbit): Non-irritant (OECD 405)

**SKIN:** skin of rabbit

**INGESTION:** Oral RAT LD50: Unknown.

**INHALATION:** Unknown.

**CHRONIC:** Moderately toxic by ingestion. A skin and eye irritant. When heated to decomposition, it emits toxic fumes of SO<sub>x</sub>, CO<sub>x</sub>, and NO<sub>x</sub>.

**CARCINOGENICITY:** NTP, IRAC, OSHA Reg. –Product is not listed.

**TLV:** Not established for product. See Section 15.

**Hazard Type:** Skin Irritant.

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#### 12. ECOLOGICAL INFORMATION:

##### **ECOTOXICOLOGICAL INFORMATION:**

This product is readily biodegradable. Do not release into surface waters. Discharge of large quantities into the aquatic environment may kill fish and other aquatic organisms.

##### **CHEMICAL FATE INFORMATION:**

Complete biodegradation of the primary alkyl sulfates occurs within seven (7) days.

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#### 13. DISPOSAL CONSIDERATIONS:

##### **Waste disposal method:**

Sewer as diluted. Material is completely biodegradable. May be disposed of in a landfill as non-hazardous waste, check local codes and regulations.

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#### 14. TRANSPORTATION INFORMATION:

Proper Shipping Name: Zinc Ricinoleate

DOT Hazard Class: Not Hazardous

Emergency Response Guide No.:

EPA Reportable Quantity:

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**15. REGULATORY INFORMATION:**

**TSCA Inventory Status:** All components are listed or otherwise in compliance with TSCA notification requirements.

**CERCLA [40CFR302]:** No components with known CAS numbers are listed as hazardous substances and subject to reporting.

**SARA 302/304 [40CFR355]:**

No components listed as extremely hazardous substances and known to be present at or above the minimum levels as specified in 40 CFR355.13

**SARA 311/312 [40CFR370]:** No hazards

**SARA 313 [40CFR372]:** Components listed as reportable and known to be present at or above the minimum level as specified in 40 CFR372.38(a): Zinc compounds, >99%

**California Prop 65:** No components listed are found to cause cancer and/or are harmful to reproduction

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**16. OTHER INFORMATION:**

**Further Information**

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