

1. Identification

1.1 Product identifier: Ovasol

1.2 Other means of identification: Fecal Flotation Medium Containing Zinc Sulfate

1.3 Recommended use and restrictions on use:

For veterinary use only to be reconstituted and used for flotation techniques of fecal analysis. Refer to safety data sheet regarding safety, usage, applications, hazards, procedures and disposal of this product before use.

1.4 Manufacturer: Ameri-Pac, Inc.
745 S. 4th St.
St. Joseph, MO 64501
Phone: 816-233-4530
800-373-6156

1.5 Emergency Number (800) 424-9300 Chemtrec
Chemtrec is available Days, Nights, Weekends, and Holidays

2. Hazard Identification

2.1 Classification of the substance or mixture

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

Acute toxicity oral - category 4

Serious Eye damage - category 1

Acute aquatic toxicity - category 1

Chronic aquatic toxicity - category 1

2.2 GHS Label Elements

Signal Word: Danger

Hazard Statements:

H302 Harmful if swallowed

H318 Causes serious eye damage

H410 Very toxic to aquatic life with long lasting effects

Pictograms:



Precautionary Statements:

Keep container tightly closed.

Do not handle until all safety precautions have been read and understood.

Wear protective gloves/eye protection/face protection/protective clothing.

Do not eat, drink or smoke when using this product.

Avoid release into environment.

If on skin: remove contaminated clothing immediately and wash thoroughly with water.

If in eyes: rinse cautiously with water for at least 15 minutes. Remove contact lenses.

If swallowed call poison control center/doctor.

If skin irritation occurs: get medical advice/attention.

Remove contaminated clothing and launder before reuse.

Dispose of contents/container in accordance with all state, local and federal regulations.

2.3 Hazards not otherwise classified: None

3. Composition/Information on Ingredients

3.1 Name: Ovasol

3.2 Common name/synonyms: Fecal Flotation Medium Containing Zinc Sulfate
Ovum Flotation
Ova Flotation

3.3 Hazardous components and concentrations in the mixture: (percentages are for mixture prior to reconstitution)

<u>Component</u>	<u>CAS Registry Number</u>	<u>Amount (%)</u>
Zinc Sulfate	13986-24-8	100%

4. First-Aid Measures

4.1 Necessary Measures

Skin: Wash affected areas with soap and water. Remove and launder contaminated clothing before reuse.
If irritation develops, seek medical attention.

Eyes: Immediately rinse eyes with running water for a minimum of 15 minutes.
Seek medical attention.

Ingestion: Wash out mouth with water.
Seek medical attention.

Inhalation: Move to fresh air. Aid in breathing if necessary. Seek medical attention.

4.2 Symptoms and Effects:

The most important symptoms and effects of exposure are listed in sections 2.2 and 11. Effects and symptoms of exposure for individual components at levels were reporting is required are listed below.

Zinc sulfate: Inhalation of dust causes irritation of nose and throat. Contact with eyes causes irritation and contact with the skin may cause irritation.

4.3 Indication of Immediate medical attention and special treatment needed: Refer to section 4.1

5. Fire-fighting Measures

- 5.1 Suitable extinguishing media: Alcohol foam, carbon dioxide, dry chemical
 - 5.2 Specific hazards arising from the chemical: During a fire, irritating and highly toxic gasses may be generated by thermal decomposition (>500 degrees Celsius) or combustion. This includes Sulfur dioxide, sulfur trioxide, and zinc oxides.
 - 5.3 Special protective equipment and precautions for fire-fighters: Use approved self-contained breathing apparatus with full facemask and full protective equipment in confined areas. Use water to keep fire-exposed containers cool.
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6. Accidental Release Measures

- 6.1 Personnel precautions, protective equipment and emergency procedures:
 - Avoid sources of heat, sparks, and open flame.
 - Use local exhaust to control vapors and mists.
 - Avoid breathing vapors, mist or gas. Ensure adequate ventilation.
 - Evacuate personnel to safe areas.
 - For personal protection see section 8.
 - 6.2 Methods and materials for containment and cleanup:
 - Prevent further leakage or spillage if safe to do so.
 - Do not let product enter drains.
 - Discharge into the environment must be avoided.
 - Pickup and arrange disposal without creating dust.
 - Keep in suitable, closed containers for disposal.
 - For disposal see section 13.
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7. Handling and Storage

- 7.1 Precautions for safe handling:
 - Practice good industrial hygiene when handling this product.
 - Avoid inhalation of dust, vapor and mist.
 - Keep away from sources of ignition.
 - For precautions see section 2.2
 - 7.2 Conditions for safe storage, including any incompatibilities:
 - Keep container tightly closed in a dry and well-ventilated place.
 - Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Incompatibilities:
Oxidizers – may result in exothermic reaction
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8. Exposure controls/Personal Protection:

- 8.1 Components with workplace control parameters:
 - Contains no compounds with workplace control parameters.

8.2 Appropriate engineering controls:

Handle in accordance with good industrial hygiene and safety practices. Wash hands before breaks and at the end of the workday. When at all possible, institute controls to minimize the exposure and risk of exposure by all means of contact.

8.3 Individual protection measures

Eye/Face Protection:

Select tightly fitting safety goggles, safety glasses or faceshield (8-inch minimum) as appropriate. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH.

Skin Protection:

Handle with gloves. Select gloves which are compatible with components listed in this mixture. Gloves must be inspected prior to use. Use proper glove removal technique to avoid skin contact with this product.

Dispose of contaminated gloves after use in accordance with applicable laws and good industrial hygiene practices. Wash and dry hands.

Body Protection:

Wear impervious clothing sufficient to protect skin.

Respiratory Protection:

Where risk assessment shows air-purifying respirators are appropriate, use a full face respirator, dust mask or half-respirator with the appropriate respirator cartridges or filters as a backup to engineering controls. Use respirators and components tested and approved under appropriate government standards such as NIOSH.

Respirators must be selected with consideration to assessment of risk and in accordance with 29 CFR 1910.134.

9. Physical and Chemical Properties

9.1 Appearance:

Physical State: Solid, small granular, crystals, powder

Color: White

9.2 Odor: None

9.3 Odor threshold: No data available

9.4 pH: 4.4 to 6.0

9.5 Melting point/freezing point: No data available

9.6 Initial boiling point and boiling point range: No data available

9.7 Flash point: No data available

9.8 Evaporation rate: No data available

9.9 Flammability: No data available

9.10 Upper/lower flammability or explosive limits: No data available

9.11 Vapor pressure: No data available

9.12 Vapor density: No data available

- 9.13 Relative density: No data available
 - 9.14 Solubility: Soluble in water
 - 9.15 Partition coefficient: No data available
 - 9.16 Auto-ignition temperature: No data available
 - 9.17 Decomposition temperature: No data available
 - 9.18 Viscosity: No data available
 - 9.19 Specific Gravity: 1.15 – 1.20 g/mL in solution
 - 9.20 Bulk Density: No data available
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10. Stability and Reactivity

- 10.1 Reactivity: No data available
 - 10.2 Chemical stability: Stable under normal conditions
 - 10.3 Possibility of hazardous reactions: No data available
 - 10.4 Conditions to avoid: Elevated temperatures and incompatible materials
 - 10.5 Incompatible materials: Oxidizing agents
 - 10.6 Hazardous decomposition Products: In the event of a fire see section 5.
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11. Toxicological Information:

- 11.1 Likely routes of exposure:
Inhalation, skin contact and eye contact are all likely. Ingestion is possible but less likely.
- 11.2 Symptoms related to physical, chemical and toxicological characteristics: Refer to section 4.2
- 11.3 Delayed and immediate effects and also chronic effects from short- and long-term exposure: Refer to section 4.2
- 11.4 Numerical measures of toxicity: This mixture has not been tested for health effects or toxicity as a whole. Information for each ingredient is provided below. The GHS classification for this product has been calculated from the values of components in this mixture.

Acute toxicity:

Zinc sulfate hexahydrate - LD50 Oral - Rat - 2,150 mg/kg

Skin corrosion/irritation:

Irritant effect on skin, mucous membranes, respiratory organs.

Serious eye damage/irritation:

Zinc sulfate (anhydrate) – Moderate irritant to eyes - Rabbit - standard Draize test

Respiratory or skin sensitization:

No data available

Germ cell mutagenicity:

No data available

Reproductive toxicity:

No data available

Specific target organ toxicity – single exposure:

No data available

Specific target organ toxicity – repeated exposure:

No data available

Aspiration hazards:

No data available

Carcinogenicity:

This product does not contain components that are classifiable to carcinogenicity based on NTP, ACGIH, IARC, or OSHA classification.

12. Ecological Information:

This product has not been tested for the ecological considerations listed below. The information and data for components are listed individually for areas of ecological consideration below.

12.1 Ecotoxicity:

Zinc and its salts have high acute and chronic toxicity to aquatic life.

Zinc sulfate (anhydrate) - LC50 – Rainbow trout – 0.43 mg/L - 96 h

Data unavailable for zinc sulfate hexahydrate – data for zinc sulfate anhydrate (base compound carrying aquatic toxicity) was used.

12.2 Persistence and degradability:

No data available

12.3 Bioaccumulative potential: No data available

12.4 Mobility in soil: No data available

12.5 Other adverse effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

13. Disposal Consideration

13.1 Product

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Determine waste status prior to disposal in accordance with federal, state and local regulations.

13.2 Contaminated packaging

Dispose of as unused product

14. Transport Information

14.1 DOT (US)

UN Number: 3077

UN proper shipping Name: Environmentally hazardous substance, Solid NOS (Zinc Sulfate Hexahydrate)

Transport hazard class: Class 9

Packaging group: III

Exempted small quantities of dangerous goods: Exempted from DOT regulations as each package contains less than RQ (1000 pounds in each package)

15. Regulatory Information

15.1 SARA 302 components:

None

15.2 SARA 313 components:

None

15.3 SARA 311/312 hazards:

Acute health hazard, Chronic health hazard

15.4 New Jersey Right to Know components:

None

15.5 Pennsylvania Right to Know components:

None

15.6 Massachusetts Right to Know components:

Zinc sulfate hexahydrate

15.7 California Prop. 65 components:

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

16. Other Information

16.1 Preparation information:

Revision: Original

Revision date: 3/10/2015

Approval date: 3/24/2015

Replaces revision: None

Replaces revision date: None

SDS code: CE034

16.2 Further information:

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of knowledge and is applicable to the product with regard to appropriate safety precautions. No expressed or implied warranty is made with regard to the accuracy of such data or its suitability for a given situation. Such data relates only to the specific product and not to such product in combination with any other product. Ameri-Pac, Inc. disclaims all liability for actions taken for forgone reliance of such data.