

SECTION 1 Identification

1.1. Product identifier

Product form : Substance
Trade name : Ovum Flotation
Chemical name : Zinc sulfate Heptahydrate
Formula : O4SZn. 7H2O

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

Use of the substance/mixture : Fecal analysis
Restrictions on use : Sold as powder/crystal. Reconstituted by customer - qs with water to 1 gallon

1.4. Supplier's details

Centaur Animal Health
1351-F W Old 56 Hwy
Olathe, KS 66061
T (913) 390-6184
www.centauranimalhealth.com

1.5. Emergency phone number

Emergency number : For Hazardous Materials or Dangerous Goods Incident Spill, Leak, Fire, Exposure, or Accident
Call CHEMTREC Day or Night: 1-800-424-9300 (Toll Free, USA) / 703-527-3887 (Virginia, USA)
CCN 11530
Back-up Emergency Number: +1 703-741-5970 (Washington, DC)

SECTION 2 Hazard Identification

2.1. Classification of the substance or mixture

GHS US classification

| | | |
|---|------|----------------------------|
| Acute toxicity (oral), Category 4 | H302 | Harmful if swallowed. |
| Serious eye damage/eye irritation, Category 1 | H318 | Causes serious eye damage. |
| Full text of H statements : see section 16 | | |

2.2. Label elements

GHS US labeling

Hazard pictograms (GHS US)



Signal word (GHS US)

: Danger

Hazard statements (GHS US)

: H302 - Harmful if swallowed
H318 - Causes serious eye damage

Precautionary statements (GHS US)

: Wash hands, forearms and face thoroughly after handling.
Do not eat, drink or smoke when using this product.
Wear protective gloves, protective clothing, eye and face protection.
If swallowed: Call a poison center or doctor if you feel unwell.
Rinse mouth.

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According to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Immediately call a poison center or doctor.
Dispose of contents and/or container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulations.

2.3. Hazards associated with known or reasonably anticipated uses

No additional information available

2.4. Hazards not otherwise classified

No additional information available

2.5. Unknown acute toxicity

No additional information available

SECTION 3 Composition/information on ingredients

3.1. Substances

Trade name : Ovum Flotation

| Name | Product identifier | % | GHS US classification |
|---------------------------|--------------------|-------|---|
| Zinc sulfate Heptahydrate | CAS-No.: 7446-20-0 | ≤ 100 | Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 |

Full text of hazard classes and H-statements : see section 16

3.2. Mixtures

Not applicable

SECTION 4 First aid measures

4.1. Description of necessary first-aid measures

| | |
|---------------------------------------|---|
| First-aid measures general | : First aider: Pay attention to self-protection. Never give anything by mouth to an unconscious person. Give artificial respiration if necessary. Induce artificial respiration with mask fitted with one-way valve or other suitable device but not mouth-to-mouth. Call a poison center/doctor/physician if you feel unwell. |
| First-aid measures after inhalation | : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If the victim is unconscious : Lay in a stable manner on victim's side. Induce artificial respiration with mask fitted with one-way valve or other suitable device; not mouth-to-mouth. If experiencing respiratory symptoms: Call a poison center or a doctor. |
| First-aid measures after skin contact | : Remove affected clothing and wash all exposed skin areas with mild soap and water, followed by warm water rinse. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse. |
| First-aid measures after eye contact | : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately transport the casualty to an eye doctor / hospital. Continue rinsing during the transport with isotonic saline solution, alternatively with water. |
| First-aid measures after ingestion | : Rinse mouth. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Call a poison center/doctor/physician if you feel unwell. |

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According to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

4.2. Most important symptoms/effects, acute and delayed

| | |
|-------------------------------------|---|
| Symptoms/effects after inhalation | : May cause respiratory irritation. |
| Symptoms/effects after skin contact | : May cause irritation to skin. |
| Symptoms/effects after eye contact | : Causes serious eye damage. Stinging, redness, itching, tears, blurred vision, swelling. |
| Symptoms/effects after ingestion | : Harmful if swallowed. |
| Most Important Symptoms/Effects | : Corrosive effects. Risk of irreversible damage to affected area. Harmful if swallowed. |

4.3. Indication of immediate medical attention and special treatment needed, if necessary

| | |
|-----------------------------------|---|
| Other medical advice or treatment | : IF exposed: Call a POISON CENTER or doctor/physician. |
|-----------------------------------|---|

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

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|--------------------------------|--|
| Suitable extinguishing media | : Dry chemical, CO2, alcohol-resistant foam or waterspray. |
| Unsuitable extinguishing media | : Do not use a heavy water stream. |

5.2. Specific hazards arising from the chemical

| | |
|--|---|
| Fire hazard | : No fire hazard. |
| Hazardous decomposition products in case of fire | : Hazardous decomposition products in case of fire. Sulfur oxides (SOx). Zinc oxide. Ambient fire may liberate hazardous vapours. |

5.3. Special protective equipment and precautions for fire-fighters

| | |
|--------------------------------|--|
| Firefighting instructions | : Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection. Move containers from fire area if it can be done without personal risk. Prevent fire-fighting water from entering environment. |
| Protection during firefighting | : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. |

SECTION 6 Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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|------------------|---|
| General measures | : Avoid all personal contact including breathing in the dust. Do not take actions involving personal risks. Absorb spillage to prevent material-damage. Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. |
|------------------|---|

For non-emergency personnel

| | |
|----------------------|--|
| Protective equipment | : Wear recommended personal protective equipment. |
| Emergency procedures | : Evacuate the danger area. If outdoors, move to an area upwind of the danger area. Do not breathe dust. Avoid contact with skin and eyes. If possible without taking personal risks, Remove ignition sources. Ventilate spillage area. Prevent other non-emergency personnel from entering the danger area. |

For emergency responders

| | |
|---------------------------|---|
| Protective equipment | : Wear the recommended personal protective equipment. Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". |
| Emergency procedures | : Evacuate unnecessary personnel. Do not touch spilled material. Stop leak if safe to do so. Remove all sources of ignition. |
| Environmental precautions | : Avoid release to the environment. |

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According to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

6.2. Methods and materials for containment and cleaning up

| | |
|-------------------------|--|
| For containment | : Using a clean shovel, put the material in a dry container and cover without compressing it. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak, if possible without risk. |
| Methods for cleaning up | : Take up mechanically (sweeping, shoveling) and collect in suitable container for disposal. Avoid creating or spreading dust. Decontaminate surfaces and equipment with water and detergent. Dispose of collected material as soon as possible in accordance with applicable local/regional/national/international regulations. |

For further information refer to section 8: "Exposure controls/personal protection", For further information refer to section 13

SECTION 7 Handling and storage

7.1. Precautions for safe handling

| | |
|-----------------------------------|--|
| Precautions for safe handling | : Use only outdoors or in a well-ventilated area. Wear personal protective equipment. Do not breathe dust. Avoid contact with skin, eyes and clothing. Take precautionary measures against static discharge. |
| Hygiene measures | : Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Wash contaminated clothing before reuse. |
| Additional hazards when processed | : Avoid dust formation. |

7.2. Conditions for safe storage, including incompatibilities

| | |
|------------------------|--|
| Storage conditions | : Store in a clean, dry location away from incompatibles. Protect from sunlight. Protect from moisture. Hygroscopic product. |
| Incompatible materials | : Metals. Violent reaction possible with strong oxidizing agents. |
| Packaging materials | : Always store product in container of same material as original container. |

SECTION 8 Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Appropriate engineering controls

| | |
|----------------------------------|--|
| Appropriate engineering controls | : Ensure good ventilation of the work station. Handle in accordance with good industrial hygiene and safety procedures. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. |
| Environmental exposure controls | : Avoid release to the environment. Take measures to reduce or limit air emissions and releases to soil and the aquatic environment. |

8.3. Individual protection measures, such as personal protective equipment

Personal protective equipment:

Personal protective equipment should be chosen according to national standards and in discussion with the supplier of the protective equipment. Wear recommended personal protective equipment.

Hand protection:

Wear protective gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching gloves outer surface) to avoid skin contact with this product.

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According to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

Eye protection:

Wear eye protection. Safety glasses with side-shields conforming to ANSI Z87.1. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH(US) OR EN 166(EU).

Skin and body protection:

Wear suitable protective clothing. Body protection should be chosen depending on activity and possible exposure

Respiratory protection:

In case of inadequate ventilation wear respiratory protection. NIOSH approved self-contained breathing apparatus (SCBA) with full facepiece and operated in pressure-demand mode must be worn when concentrations are unknown

Personal protective equipment symbol(s):



SECTION 9 Physical and chemical properties

9.1. Basic physical and chemical properties

| | |
|---|-----------------------|
| Physical state | : Solid |
| Appearance | : Crystalline powder. |
| Color | : White |
| Odor | : No data available |
| Odor threshold | : No data available |
| pH | : No data available |
| Melting point | : No data available |
| Freezing point | : No data available |
| Boiling point | : No data available |
| Flash point | : No data available |
| Flammability (solid, gas) | : Not applicable. |
| Vapor pressure | : No data available |
| Relative vapor density at 20°C | : No data available |
| Relative density | : No data available |
| Solubility | : No data available |
| Partition coefficient n-octanol/water (Log Pow) | : No data available |
| Auto-ignition temperature | : No data available |
| Decomposition temperature | : No data available |
| Viscosity, kinematic | : No data available |
| Explosion limits | : No data available |
| Particle characteristics | : No data available |

9.2. Data relevant with regard to physical hazard classes (supplemental)

No additional information available

SECTION 10 Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable at ambient temperature and under normal conditions of use.

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According to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

10.3. Possibility of hazardous reactions

Violent reaction possible with strong oxidizing agents.

10.4. Conditions to avoid

Protect from moisture. Incompatible materials.

10.5. Incompatible materials

Metals. Strong oxidizing agents.

10.6. Hazardous decomposition products

Thermal decomposition may produce : Zinc oxide. Sulfur oxides. Ambient fire may liberate hazardous vapours.

SECTION 11 Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Harmful if swallowed.
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

Zinc sulfate Heptahydrate

| | |
|-------------|------------|
| LD50 oral | 1000 mg/kg |
| LD50 dermal | 2500 mg/kg |

Skin corrosion/irritation : Not classified

Serious eye damage/irritation : Causes serious eye damage

Respiratory or skin sensitization : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

Symptoms/effects after inhalation : May cause respiratory irritation.

Symptoms/effects after skin contact : May cause irritation to skin.

Symptoms/effects after eye contact : Causes serious eye damage. Stinging, redness, itching, tears, blurred vision, swelling.

Symptoms/effects after ingestion : Harmful if swallowed.

Most Important Symptoms/Effects : Corrosive effects. Risk of irreversible damage to affected area. Harmful if swallowed.

SECTION 12 Ecological information

12.1. Ecotoxicity

Hazardous to the aquatic environment, short-term (acute) : Very toxic to aquatic life

Hazardous to the aquatic environment, long-term (chronic) : Very toxic to aquatic life with long lasting effects

Zinc sulfate Heptahydrate

| | |
|-----------------|--------------------|
| LC50 - Fish [1] | 0.00236 – 238 mg/l |
|-----------------|--------------------|

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According to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

Zinc sulfate Heptahydrate

| | |
|----------------------|----------------|
| EC50 - Crustacea [1] | 0.095 mg/l |
| EC50 72h - Algae [1] | 0.05 – 65 mg/l |
| NOEC chronic fish | 0.343 mg/l |

Zinc sulfate Heptahydrate

| | |
|----------------------|--------------------|
| LC50 - Fish [1] | 0.00236 – 238 mg/l |
| EC50 - Crustacea [1] | 0.095 mg/l |
| EC50 72h - Algae [1] | 0.05 – 65 mg/l |
| NOEC chronic fish | 0.343 mg/l |

12.2. Persistence and degradability

Zinc sulfate Heptahydrate

| | |
|-------------------------------|------------------------|
| Persistence and degradability | Not rapidly degradable |
|-------------------------------|------------------------|

Zinc sulfate Heptahydrate

| | |
|-------------------------------|------------------------|
| Persistence and degradability | Not rapidly degradable |
|-------------------------------|------------------------|

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

| | |
|------------------------------|------------------|
| Ozone | : Not classified |
| Fluorinated greenhouse gases | : No |

SECTION 13 Disposal considerations

| | |
|--|--|
| Regional waste regulation | : Disposal must be done according to official regulations. |
| Waste treatment methods | : Dispose of contents/container in accordance with licensed collector's sorting instructions. |
| Sewage disposal recommendations | : Disposal must be done according to official regulations. |
| Product/Packaging disposal recommendations | : Disposal must be done according to official regulations. Dispose of this material and its container at hazardous or special waste collection point. Refer to all applicable national, international and local regulations or provisions. |
| Additional information | : Do not re-use empty containers. |
| Ecological waste information | : Avoid release to the environment. |

SECTION 14 Transport information

In accordance with DOT / IMDG / IATA

| DOT | IMDG | IATA |
|------------------------|------|------|
| 14.1. UN number | | |
| UN3077 | 3077 | 3077 |

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Safety Data Sheet

According to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

| DOT | IMDG | IATA |
|---|--|--|
| 14.2. Proper Shipping Name | | |
| Environmentally hazardous substances, solid, n.o.s. (Zinc sulfate heptahydrate) | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Zinc sulfate heptahydrate) | Environmentally hazardous substance, solid, n.o.s. (Zinc sulfate heptahydrate) |
| 14.3. Transport hazard class(es) | | |
| 9 | 9 | 9 |
| 14.4. Packing group | | |
| III | III | III |
| 14.5. Environmental hazards | | |
| | Dangerous for the environment: Yes Marine pollutant: Yes | |
| No supplementary information available | | |

14.6. Transport in bulk

Not applicable

14.7. Special precautions for user

| | |
|--|---|
| DOT | |
| UN-No. (DOT) | : UN3077 |
| DOT Packaging Exceptions (49 CFR 173.xxx) | : 155 |
| DOT Packaging Non Bulk (49 CFR 173.xxx) | : 213 |
| DOT Packaging Bulk (49 CFR 173.xxx) | : 240 |
| DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) | : No Limit |
| DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) | : No Limit |
| DOT Vessel Stowage Location | : A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel. |

| | |
|---------------------------------|---|
| IMDG | |
| Special provision (IMDG) | : 274, 335, 375, 966, 967, 969 |
| Limited quantities (IMDG) | : 5 kg |
| Excepted quantities (IMDG) | : E1 |
| Packing instructions (IMDG) | : LP02, P002 |
| Packing provisions (IMDG) | : PP12 |
| IBC packing instructions (IMDG) | : IBC08 |
| IBC special provisions (IMDG) | : B3 |
| Tank instructions (IMDG) | : BK1, BK2, BK3, T1 |
| Tank special provisions (IMDG) | : TP33 |
| EmS-No. (Fire) | : F-A - FIRE SCHEDULE Alfa - GENERAL FIRE SCHEDULE |
| EmS-No. (Spillage) | : S-F - SPILLAGE SCHEDULE Foxtrot - WATER-SOLUBLE MARINE POLLUTANTS |
| Stowage category (IMDG) | : A |
| Stowage and handling (IMDG) | : SW23 |

| | |
|--|---------|
| IATA | |
| PCA Excepted quantities (IATA) | : E1 |
| PCA Limited quantities (IATA) | : Y956 |
| PCA limited quantity max net quantity (IATA) | : 30kgG |
| PCA packing instructions (IATA) | : 956 |
| PCA max net quantity (IATA) | : 400kg |

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According to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

CAO packing instructions (IATA) : 956
CAO max net quantity (IATA) : 400kg
ERG code (IATA) : 9L

SECTION 15 Regulatory information

15.1. Federal regulations

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory, except for:

| | | |
|---------------------------|-------------------|--------|
| Zinc sulfate Heptahydrate | CAS-No. 7446-20-0 | ≤ 100% |
|---------------------------|-------------------|--------|

This product or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

15.2. International regulations

CANADA

Zinc sulfate Heptahydrate

Listed on the Canadian DSL (Domestic Substances List)

Zinc sulfate Heptahydrate (7446-20-0)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

No additional information available

National regulations

No additional information available

15.3. State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

SECTION 16 Other information

According to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

Issue date : 6/17/2025

Full text of hazard classes and H-statements

| | |
|------|--|
| H302 | Harmful if swallowed |
| H318 | Causes serious eye damage |
| H400 | Very toxic to aquatic life |
| H410 | Very toxic to aquatic life with long lasting effects |

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.