

### SAFETY DATA SHEET

### **NUTRISYNC® ZINC**

### **Section 1. Identification**

Product identifier : NUTRISYNC® ZINC

**SDS** # : 475

Other means of identification

: NUTRISYNC® ZINC 0-0-0, 6% ZINC

Product type : Liquid.

### Relevant identified uses of the substance or mixture and uses advised against

**Identified uses** 

Fertilizer.

Uses advised against

Not available.

**Supplier's details**: LOVELAND PRODUCTS, INC.

P.O. Box 1286

Greeley, CO 80632-1286

Telephone no. : 1-888-574-2878 (Customer Service)

**Email**: retail-SDS2@nutrien.com

Emergency telephone number (with hours of

operation)

: CHEMTREC: 1-800-424-9300 (24 hrs)

Medical Emergencies: 1-866-944-8565 (24 hrs)

### Section 2. Hazards identification

OSHA/HCS status : This material is considered hazardous by the OSHA Hazard Communication Standard

(29 CFR 1910.1200).

Classification of the substance or mixture

: SERIOUS EYE DAMAGE - Category 1

### **GHS label elements**

Hazard pictograms



Signal word : Danger

**Hazard statements** : Causes serious eye damage.

**Precautionary statements** 

General : Read label before use. Keep out of reach of children. If medical advice is needed, have

product container or label at hand.

**Prevention**: Wear eye or face protection.

Response : 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.

Storage : Not applicable.

Disposal : Not applicable.

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### Section 2. Hazards identification

Hazards not otherwise classified

: None known.

### Section 3. Composition/information on ingredients

Substance/mixture : Mixture

| Ingredient name | % (w/w) | CAS number |
|-----------------|---------|------------|
| zinc sulfate    | 10 - 20 | 7733-02-0  |

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

### Section 4. First aid measures

### **Description of necessary first aid measures**

**Eye contact** 

: CORROSIVE. Begin eye irrigation immediately. All eye exposures require medical evaluation following decontamination. Immediately rinse eyes with large quantities of water or saline for a minimum 30 minutes, longer irrigation time is preferred if possible. If possible, remove contact lenses being careful not to cause additional eye damage. If the initial water supply is insufficient, keep the affected area wet with a moist cloth and transfer the person to the nearest place where rinsing can be continued for the recommended length of time. Call an ambulance for transport to hospital. Continue eye irrigation during transport. For additional advice call the medical emergency number on this safety data sheet or your poison center or doctor.

**Inhalation** 

Remove person to fresh air and keep comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

**Skin contact** 

: Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Ingestion

: Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Never give anything by mouth to an unconscious person. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

### Most important symptoms/effects, acute and delayed

### Potential acute health effects

Eye contact

: Corrosive to eyes. Causes serious eye damage.

Inhalation

: Inhalation of the spray or mist may produce irritation of respiratory tract. Exposure to decomposition products may cause a health hazard.

Skin contact

: May cause slight transient irritation.

Ingestion

: May be harmful if swallowed. Over-exposure by ingestion is unlikely under normal working conditions.

#### Over-exposure signs/symptoms

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### Section 4. First aid measures

**Eye contact**: Adverse symptoms may include the following:

pain watering redness

**Inhalation** : Adverse symptoms may include the following:

irritation coughing metallic taste

**Skin contact**: Adverse symptoms may include the following:

redness

**Ingestion**: Adverse symptoms may include the following:

abdominal cramps and pain

nausea or vomiting

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

Notes to physician : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

**Specific treatments** : Improved outcome requires prolonged rinsing or soaking with water in order to extract corrosive ions that have penetrated through the stratum corneum. Expert opinion

indicates an extended duration of rinsing is required to remove corrosive chemicals - 60 minutes for strong alkalis, and 30 minutes for other corrosive substances. Water should be maintained at a comfortable temperature. It may be necessary to delay transport to emergency care facilities in order to to ensure 30 or 60 minutes of rinsing time. However, transporting the patient may be necessary depending on the condition of the patient or the availability of a water supply. If transport is necessary, rinsing the affected

area should continue, if possible, during transport.

Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training.

Decontamination measures may be necessary. Personnel and equipment must be

checked and decontaminated prior to leaving the area.

### See toxicological information (Section 11)

## Section 5. Fire-fighting measures

### **Extinguishing media**

Suitable extinguishing media

Unsuitable extinguishing media

: Not considered to be flammable. Use an extinguishing agent suitable for the surrounding fire.

: None known.

Specific hazards arising from the chemical

Hazardous thermal decomposition products

: Non-flammable. Material will not burn.

: Decomposition products may include the following materials: sulfur oxides

Special protective actions for fire-fighters

: No action shall be taken involving any personal risk or without suitable training.

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. Contain and collect the water used to fight the fire for later treatment and disposal.

Special protective equipment for fire-fighters Remark

: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

: Contain and collect the water used to fight the fire for later treatment and disposal.

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### Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

# For non-emergency personnel

: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

### For emergency responders:

If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

#### **Environmental precautions**

: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused adverse impacts (sewers, waterways, soil or air).

### Methods and materials for containment and cleaning up

### **Small spill**

: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

#### Large spill

: Stop leak if without risk. Approach release from upwind. Put on appropriate personal protective equipment (see Section 8). Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Use appropriate equipment to put the spilled substance in a container for reuse or disposal. Recycle to process, if possible.

or

Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

### Section 7. Handling and storage

#### **Precautions for safe handling**

**Protective measures** 

: Read label before use. Apply this product only as specified on the label. Do not handle until all safety precautions have been read and understood. Put on appropriate personal protective equipment (see Section 8). Do not get in eyes or on skin or clothing. Do not ingest. Do not breathe vapor or mist. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

# Advice on general occupational hygiene

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

# Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

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### Section 8. Exposure controls/personal protection

#### **Control parameters**

Occupational exposure limits

None.

### **Biological exposure indices**

No exposure indices known.

# Appropriate engineering controls

: If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

# **Environmental exposure** controls

: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

#### **Individual protection measures**

Contact your personal protective equipment supplier to verify the compatibility of the equipment for the intended purpose.

**Hygiene measures** 

: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period.

Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

#### **Eye/face protection**

: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles and/ or face shield. If inhalation hazards exist, a full-face respirator may be required instead.

# Skin protection Hand protection

: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

#### **Body protection**

: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Recommended: Contact your personal protective equipment supplier to verify the compatibility of the equipment for the intended purpose.

### Other skin protection

: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

#### Respiratory protection

: Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use. Recommended: Contact your personal protective equipment supplier to verify the compatibility of the equipment for the intended purpose.

For U.S. work sites where respiratory protection is required, ensure that a respiratory protection program meeting 29 CFR 1910.134 requirements is in place.

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### Section 9. Physical and chemical properties and safety characteristics

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

**Appearance** 

**Physical state** : Liquid. Color : Blue. Odor : Mild.

: Not available. **Odor threshold** 4.5 to 5.5 pH : Not available. Melting point/freezing point **Boiling point, initial boiling** : Not available.

point, and boiling range

Flash point : Not applicable. **Flammability** : Non-flammable. Lower and upper explosion : Not applicable. limit/flammability limit

Vapor pressure

| Vapor Pre       |       | Vapor Pressure at 20°C (68°F) |        | Vapor | pressure at | 50°C (122°F) |
|-----------------|-------|-------------------------------|--------|-------|-------------|--------------|
| Ingredient name | mm Hg | kPa                           | Method | mm Hg | kPa         | Method       |
| Water           | 23.8  | 3.2                           |        |       |             |              |

**Relative vapor density** : Not available.

**Relative density** 1.25

: 1.25 g/cm<sup>3</sup> **Density** 

10.41 to 10.43 lb/gal **Bulk density** 

Solubility(ies)

| Media                   | Result                        |
|-------------------------|-------------------------------|
| cold water<br>hot water | Easily soluble Easily soluble |

Solubility in water : Soluble in water in any proportion.

Miscible with water Yes.

Partition coefficient: n-

octanol/water

: Not applicable.

**Auto-ignition temperature** : Not applicable. **Decomposition temperature** : Not available. : Not available. **Viscosity** 

**Particle characteristics** 

Median particle size : Not applicable.

### Section 10. Stability and reactivity

Reactivity : No specific test data related to reactivity available for this product or its ingredients.

**Chemical stability** : The product is stable.

**Possibility of hazardous** 

reactions

: Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid Keep away from incompatible materials. Keep away from heat and direct sunlight. Keep

from freezing.

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### Section 10. Stability and reactivity

**Incompatible materials**: Strong oxidizing materials, strong alkalis.

Hazardous decomposition products

 Under normal conditions of storage and use, hazardous decomposition products should not be produced.

### Section 11. Toxicological information

### Information on toxicological effects

### **Acute toxicity**

Not available.

**Conclusion/Summary** 

: May be harmful if swallowed.

**Irritation/Corrosion** 

Not available.

**Conclusion/Summary** 

**Skin** : May cause slight transient irritation.

**Eyes** : Causes serious eye damage.

**Respiratory**: No known significant effects or critical hazards.

<u>Sensitization</u>

Not available.

**Conclusion/Summary** 

Skin: No known significant effects or critical hazards.Respiratory: No known significant effects or critical hazards.

Mutagenicity
Not available.

**Conclusion/Summary** 

: No known significant effects or critical hazards.

Carcinogenicity

Not available.

Conclusion/Summary : No known s

: No known significant effects or critical hazards.

**Reproductive toxicity** 

Not available.

**Conclusion/Summary**: No known significant effects or critical hazards.

**Teratogenicity** 

Not available.

**Conclusion/Summary**: No known significant effects or critical hazards.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

**Aspiration hazard** 

Not available.

Information on the likely routes of exposure

: Dermal contact. Eye contact. Inhalation. Ingestion.

Potential acute health effects

**Eye contact**: Corrosive to eyes. Causes serious eye damage.

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### Section 11. Toxicological information

nhalation : Inhalation of the spray or mist may produce irritation of respiratory tract. Exposure to

decomposition products may cause a health hazard.

**Skin contact**: May cause slight transient irritation.

Ingestion : May be harmful if swallowed. Over-exposure by ingestion is unlikely under normal

working conditions.

#### Symptoms related to the physical, chemical and toxicological characteristics

**Eye contact** : Adverse symptoms may include the following:

pain watering redness

**Inhalation** : Adverse symptoms may include the following:

irritation coughing metallic taste

**Skin contact**: Adverse symptoms may include the following:

redness

**Ingestion** : Adverse symptoms may include the following:

abdominal cramps and pain

nausea or vomiting

### Delayed and immediate effects and also chronic effects from short and long term exposure

#### **Short term exposure**

Potential immediate : See above.

effects

Potential delayed effects : See below.

**Long term exposure** 

Potential immediate

effects

: See above.

Potential delayed effects : See below.

### Potential chronic health effects

Not available.

General : No known significant effects or critical hazards.
 Carcinogenicity : No known significant effects or critical hazards.
 Mutagenicity : No known significant effects or critical hazards.
 Reproductive toxicity : No known significant effects or critical hazards.

### **Numerical measures of toxicity**

### **Acute toxicity estimates**

| Product/ingredient name      | Oral (mg/<br>kg) | Dermal<br>(mg/kg) | (gases) | (vapors) | Inhalation<br>(dusts and<br>mists) (mg/<br>I) |
|------------------------------|------------------|-------------------|---------|----------|---|
| NUTRISYNC® ZINC zinc sulfate | 3373.4           | N/A               | N/A     | N/A      | N/A   |
|                              | 500              | N/A               | N/A     | N/A      | N/A   |

Other information : Not available.

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### **Section 12. Ecological information**

#### **Toxicity**

| Product/ingredient name | Result                               | Species  | Exposure |
|-------------------------|--------------------------------------|--|----------|
| zinc sulfate            | Acute EC50 724.4 µg/l Fresh water    | Algae - Stichococcus bacillaris                  | 72 hours |
|                         | Acute EC50 202 µg/l Marine water     | Algae - Ulva fasciata - Zoea                     | 96 hours |
|                         | Acute LC50 4 μg/l Fresh water        | Crustaceans - Mesocyclops<br>hyalinus - Adult    | 48 hours |
|                         | Acute LC50 21.8 μg/l Fresh water     | Daphnia - Daphnia magna -<br>Neonate             | 48 hours |
|                         | Acute LC50 2.36 µg/l Fresh water     | Fish - Cirrhinus mrigala                         | 96 hours |
|                         | Chronic NOEC 142.5 µg/l Marine water | Algae - Ulva fasciata - Zoea                     | 96 hours |
|                         | Chronic NOEC 0.2 mg/l Marine water   | Crustaceans - Litopenaeus vannamei - Post-larvae | 21 days  |
|                         | Chronic NOEC 1.7 mg/l Fresh water    | Daphnia - Daphnia magna -<br>Neonate             | 21 days  |
|                         | Chronic NOEC 26 µg/l Fresh water     | Fish - Jordanella floridae                       | 100 days |

### **Conclusion/Summary**

: Toxic to aquatic life with long lasting effects. Apply this product only as specified on the label. Do not allow to enter groundwater, surface water or drains.

### Persistence and degradability

Not available.

#### **Bioaccumulative potential**

| Product/ingredient name | LogPow | BCF   | Potential |
|-------------------------|--------|-------|-----------|
| zinc sulfate            | -0.07  | 60960 | high      |

### **Mobility in soil**

Soil/water partition coefficient (Koc)

: Not available.

#### Other adverse effects

: No known significant effects or critical hazards.

### Section 13. Disposal considerations

### **Disposal methods**

: Follow disposal instructions on label. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Triple rinse containers with water and add the rinse water to the spray tank. Do not reuse containers for any purpose. Disposal should be in accordance with applicable regional, national and local laws and regulations. Recycling decontaminated containers is the best option of container disposal. The Agricultural Container Recycling Council (ACRC) operates the national recycling program. To contact your state and local ACRC recycler visit the ACRC web page at http://www.acrecycle.org/. Do not contaminate water, food or feed by storage or disposal.

### **Section 14. Transport information**

|                            | DOT Classification  | TDG Classification  | IMDG  | IATA  |
|----------------------------|---|---|---|---|
| UN number                  | UN3082  | UN3082  | UN3082  | UN3082  |
| UN proper<br>shipping name | ENVIRONMENTALLY<br>HAZARDOUS<br>SUBSTANCE, LIQUID,<br>N.O.S. (zinc sulfate) |
|                            |   |   |   |   |

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### **Section 14. Transport information**

| Transport hazard class(es) | 9   | 9    | 9    | 9    |
|----------------------------|-----|------|------|------|
| Packing group              | III | III  | III  | III  |
| Environmental hazards      | No. | Yes. | Yes. | Yes. |

### **Additional information**

**DOT Classification** 

: Reportable quantity 6746.7 lbs / 3063 kg [647.33 gal / 2450.4 L]. The classification of the product is due solely to the presence of one or more US DOT-listed 'Hazardous substances' that are subject to reportable quantity requirements and only applies to shipments of a package that contains greater than, or equal to, the product reportable quantity threshold. Package sizes containing less than the product reportable quantity are not regulated as hazardous materials.

Remarks This product does not contain any DOT listed marine pollutants (49 CFR Appendix B to 172.101).

**TDG Classification** 

: Part 3 (Documentation) and Part 4 (Dangerous Goods Safety Marks) do not apply to substances that are classified as marine pollutants in accordance with section 2.43 of Part 2 (Classification) if they are in transport solely on land by road vehicle or railway vehicle.

Additional exceptions for shipment of less than a total of 450 kg or 450 L of this product by road vehicle or rail vehicle are provided under Special Provision 99 of the TDG

**IMDG** 

: This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.

**IATA** 

: This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 5.0.2.4.1, 5.0.2.6.1.1 and 5.0.2.8.

Special precautions for user : Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according: Not available. to IMO instruments

### **Section 15. Regulatory information**

### International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

### **Montreal Protocol**

Not listed.

**Stockholm Convention on Persistent Organic Pollutants** 

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

**UNECE Aarhus Protocol on POPs and Heavy Metals** 

Not listed.

### **Inventory list**

**Australia** : All components are listed or exempted.

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### Section 15. Regulatory information

Canada : All components are listed or exempted. China : All components are listed or exempted.

**Eurasian Economic Union** Russian Federation inventory: Not determined.

: Japan inventory (CSCL): Not determined. **Japan** Japan inventory (ISHL): Not determined.

**New Zealand** : All components are listed or exempted.

**Philippines** : All components are listed or exempted. Republic of Korea : All components are listed or exempted.

**Taiwan** : Not determined. **Thailand** : Not determined. **Turkey** : Not determined.

**United States** : All components are active or exempted.

**Viet Nam** : Not determined.

U.S. Federal regulations : TSCA 8(a) CDR Exempt/Partial exemption: Not determined

Clean Water Act (CWA) 307: zinc sulfate; disodium EDTA-copper

Clean Water Act (CWA) 311: zinc sulfate

Clean Air Act Section 112

(b) Hazardous Air **Pollutants (HAPs)**  : Listed

**Clean Air Act Section 602** 

Class I Substances

: Not listed

**Clean Air Act Section 602** 

**Class II Substances** 

: Not listed

**DEA List I Chemicals** 

(Precursor Chemicals)

: Not listed

**DEA List II Chemicals** 

(Essential Chemicals)

: Not listed

: Not applicable.

**SARA 304 RQ SARA 311/312** 

Classification : SERIOUS EYE DAMAGE - Category 1

**SARA 313** 

|                                 | Product name | CAS number | %       |
|---------------------------------|--------------|------------|---------|
| Form R - Reporting requirements | zinc sulfate | 7733-02-0  | 10 - 20 |
| Supplier notification           | zinc sulfate | 7733-02-0  | 10 - 20 |

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

### **State regulations**

**Massachusetts** : The following components are listed: zinc sulfate **New York** : The following components are listed: zinc sulfate **New Jersey** : The following components are listed: zinc sulfate **Pennsylvania** : The following components are listed: zinc sulfate

#### California Prop. 65

🗥 WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer, and cadmium, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

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### Section 16. Other information

#### **History**

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Key to abbreviations

: ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient

MARPOL = International Convention for the Prevention of Pollution From Ships, 1973

as modified by the Protocol of 1978. ("Marpol" = marine pollution)

N/A = Not available SGG = Segregation Group

**UN = United Nations** 

### Procedure used to derive the classification

| Classification                  | Justification      |
|---------------------------------|--------------------|
| SERIOUS EYE DAMAGE - Category 1 | Calculation method |

Indicates information that has changed from previously issued version.

#### **Notice to reader**

Supply chain partners must ensure they pass this SDS, and all other relevant safety information to their customers.

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