



Hazard Communication Standard Safety Data Sheet (SDS)

Lawn & Garden Zinc Sulfate

Supersedes all prior versions

Issuing Date: 8/15/2015

1. Product and Company Identification

Product Name(s)/Synonyms: Lawn & Garden Zinc Sulfate, LG 40221

Recommended Use: Plant nutrient.

Information on Manufacturer:

Western Organics, Inc.
420 E. Southern Ave.
Tempe, AZ 85282
602-792-0275

Emergency Telephone Numbers:

800-424-9300 (Chemtrec)
800-222-1222 (American Association of Poison Control)

2. Hazards Identification

WARNING

Hazard Classification: Acute aquatic toxicity- Cat. 1
Chronic aquatic toxicity- Cat. 1



Hazard Statement(s):

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Risk of serious damage to eyes. Harmful if swallowed.

Precautionary Statement(s):

Prevention: Avoid release to the environment. Dispose of contents/container in accordance with regulations.
Eyes: If in eyes, rinse cautiously with water for several minutes. Remove contacts if present and easy to do.

Unclassified Hazard(s) Description: n/a

Other Information: No additional information available.

3. Composition / Information on Ingredients

Chemical/Component Name	Common Name	CAS #	%	Other
Zinc Sulphate Monohydrate		7733-02-0	100	

4. First Aid Measures

Effects and symptoms:

Chills, fever, nausea, vomiting, coughing, weakness and headaches, skin irritation.

Eye Contact:

Hold eye open and rinse slowly and gently with water for 15 minutes. Remove contact lenses if present and easy to do so after 5 minutes, then continue rinsing. Seek medical assistance if irritation persists.

Skin Contact:

Take off contaminated clothing. Rinse skin immediately with plenty of soap and water. Seek medical assistance if rash/skin irritation developed or persists.

Ingestion:

Immediately rinse mouth with water. Do not induce vomiting. Give large quantities of water or milk to drink. Never give anything by mouth to an unconscious person. Call a poison control center or doctor for further advise.

Inhalation- Dust or Fumes:

Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, if possible. If breathing is difficult, seek immediate medical assistance. Call a poison control center or doctor for further advise. If feeling unwell, seek medical attention.

5. Fire-Fighting Measures

- Suitable Extinguishing Media:** Use foam, Co2, dry chemical, water spray (fog) methods or sand.
- Unsuitable Extinguishing Media:** Unknown.
- Firefighters:** Wear self contained breathing apparatus and full protective gear.
- Unusual Fire and Explosion Hazards:** Non combustible or flammable. Hazardous decomposition products formed under fire conditions - Sulphur oxides, Zinc/zinc oxides.

6. Accidental Release Measures

- Personal Precautions:** Use dust mask to avoid inhalation of particles. Use protective clothing and equipment. Do not get in eyes. Avoid dust generation.
- Environmental Precautions:** Keep spills and runoff from municipal sewers and open bodies of water.
- Methods for Containment:** Cleanup the spill promptly by sweeping, scooping, and/or vacuum. Minimize dust generation.
- Methods for Cleaning up:** Contain and dispose of per local and federal regulations. Spray area to wash off residue. Wash off any exposed skin. Collect and reuse if uncontaminated.

7. Handling and Storage

- Handling:** Avoid container breakage. Minimize dust generation. Wear appropriate clothing and eye protection. Use with adequate ventilation. Wash before eating or drinking.
- Storage:** No specific storage is required. Best to always store away from children and pets.

8. Exposure Controls / Personal Protection

Component(s)	ACGIH TLV	OSHA PEL
Ammonium Sulfate (7783-20-2)	10 mg/m3	n/a
Mono-ammonium Phosphate (7722-76-1)	n/a	n/a

- Engineering Controls:** Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits.

Personal Protective Measures:

- Face and Eye:** Safety glasses with side shields or goggles.
- Skin/body:** Wear protective cloths and gloves.
- Respiratory:** Use engineering controls. If dust is present, use NIOSHA/MSHA approved dust masks.

9. Physical and Chemical Properties

Physical State:	Solid	Color:	White to off-white
Appearance:	Granular	Vapor Pressure:	Not established
Odor:	Slight	Vapor Density:	Not established
Odor Threshold:	Not established	Relative Density:	Not established
pH:	Not established	Solubility(ies):	Soluble in cold water
Melting/Freezing Point:	Not established	Partition Coefficient:	
Boiling Point and Range:	Decomposes	n-octano/water:	Not established
Flash Point:	Not established	Auto-ignition Temp:	Not established
Evaporation Rate:	Not established	Decomposition Temp:	Not established
Flammability (solid, gas):	Not flammable	Viscosity:	Not established
Flammability Limits:	Not established	Decomposition Temp:	Not established
Upper:		Bulk Density:	Not established
Lower:		Specific Gravity (H2O=1):	Not established

10. Stability and Reactivity

Reactivity:	Stable under recommended storage and use conditions.
Chemical Stability:	Stable under recommended storage and use conditions.
Hazardous Reactions:	Hazardous decomposition products formed under fire conditions. - sulphur oxides, zinc/zinc oxides.
Conditions to Avoid:	No further relevant information available.
Incompatible Materials:	Strong oxidizing agents. Avoid moisture.
Hazardous Decomposition:	Unknown.

11. Toxicological Information

Likely Routes:	Inhalation, eye contact, ingestion.
Acute Toxicological Effects	
Inhalation:	May be harmful if inhaled. May cause respiratory tract irritation.
Dermal:	May cause skin irritation.
Ingestion:	Harmful if swallowed.
Dermal irritation:	Can cause irritation.
Eyes irritation:	Causes serious eye irritation.
Toxicity Measures (data):	No applicable information found.
Toxicity Symptoms:	Eye, skin and respiratory irritation.
Known Carcinogenicity:	Not listed in ACGIH or IARC as a carcinogen.

12. Ecological Information

*Refer the reader to Section 8 (Exposure Controls/Personal Protection) of the SDS.

Ecotoxicity Data:	No testing data available. However, this product has been found to be very toxic to aquatic organisms, and may cause long-term adverse effects in the aquatic environment.
Persistence and Degradability:	No applicable information found.
Bioaccumulative Potential:	No applicable information found.
Leaching Risk:	No applicable information found.
Other Adverse Effects:	No applicable information found.

13. Disposal Considerations

Waste Disposal Methods: Conform with applicable local and federal regulations. Do not dispose of into drains or in or near water sources. Waste containers should be labeled as Hazardous Goods.

Contaminated Packaging: Dispose of in accordance with local/state/federal regulations. Keep waste packaging separate.

14. Transport Information

DOT (Land) No restrictions, not regulated.

IATA (Air) UN- Number: 3077; Class: 9; Packaging group:III; Ship as Environmentally Hazardous Substance, Solid, N.O.S. (Zinc Sulfate monohydrate).

IMDG (Sea) UN- Number: 3077; Class: 9; Packaging group:III; EMS-No: F-A, S-F. Ship as Environmentally Hazardous Substance, Solid, N.O.S (Zinc Sulphate monohydrate).

15. Regulatory Information (non-mandatory)

Federal and State Regulations:

State Right To Know (RTK) for Zinc Sulfate monohydrate: Pennsylvania, Massachusetts

SARA 313: Toxic chemical notification and release reporting: Zinc sulfate monohydrate

CERCLA: Hazardous substances: Zinc sulfate monohydrate.

California Proposition 65 This product does not contain any Proposition 65 chemicals.

16. Other Information

NFPA: Health: 2 Flammability: 0 Reactivity: 0
Hazard Rating: 0=Least; 1=Slight; 2=Moderate; 3=High; 4=Severe

Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. Conditions of use and suitability of the product for particular uses are beyond our control, all risks of use of the product are therefore assumed by the user and WE EXPRESSLY DISCLAIM ALL WARRANTIES OF EVERY KIND AND NATURE, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE IN RESPECT TO THE USE OR SUITABILITY OF THE PRODUCT.

