

SAFETY DATA SHEET

WL MAGNESIUM CHELATE

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Printed: 01/06/2021

Revision: 01/06/2021

Supersedes Revision: 05/16/2016

1. Product and Company Identification

Product Code: Z-WLMG
Product Name: WL MAGNESIUM CHELATE
Trade Name: WL MAGNESIUM CHELATE
Company Name: Stoller Australia Pty Ltd
1 Creswell Road
Largs Bay
South Australia 5016
Web site address: www.stoller.com.au
Email address: stoller@stoller.com.au
Emergency Contact: STOLLER PRODUCTION CHEMIST
Information: Contact number: 08 8169-0988
1800 337-845
Intended Use: For agricultural use only
Synonyms: Chelated magnesium solution

2. Hazards Identification

Serious Eye Damage/Eye Irritation, Category 2B

Acute Toxicity: Oral, Category 4

Acute Toxicity: Inhalation, Category 5

Specific Target Organ Toxicity (single exposure), Category 3

Acute Toxicity: Skin, Category 5



GHS Signal Word: Warning

GHS Hazard Phrases: H302 - Harmful if swallowed.
H313 - May be harmful in contact with skin.
H320 - Causes eye irritation.
H333 - May be harmful if inhaled.
H335 - May cause respiratory irritation.

GHS Precaution Phrases: P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.
P264 - Wash hands thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P271 - Use only outdoors or in a well-ventilated area.

GHS Response Phrases: P301+312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312 - Call a POISON CENTER or doctor/physician if you feel unwell.
P330 - Rinse mouth.
P337+313 - If eye irritation persists, get medical advice/attention.

GHS Storage and Disposal Phrases: P405 - Store locked up.
P501 - Dispose of contents/container to treatment at a permitted facility or as advised by your local regulatory authority.

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| Potential Health Effects (Acute and Chronic): | Acute: Depending on the duration of contact, overexposure can irritate the eyes, skin, mucous membranes and any other exposed tissue. |
| | Chronic: Expected toxicity hazard: mild to moderate |
| Inhalation: | May be harmful if inhaled. Prolonged exposure to vapors may cause sore throat, headache and irritation of respiratory tract. |
| Skin Contact: | May cause discomfort, skin irritation or rash unless treated promptly. |
| Eye Contact: | Contact with product may cause redness, mild to severe eye irritation. |
| Ingestion: | May cause malaise, nausea, stomachache, burning sensation in stomach. Large doses may cause gastrointestinal damage. |

3. Composition/Information on Ingredients

| CAS # | Components (Chemical Name) | Concentration | |
|------------|------------------------------|---------------|--|
| 10034-99-8 | Magnesium sulfate, 7-hydrate | <45.0 % | |
| NA | Proprietary | <10.0 % | |

4. First Aid Measures

| | |
|--|---|
| Emergency and First Aid Procedures: | Victims of severe exposure to chemicals must be taken to health providing centers for medical attention. Always bring with victim a copy of label and SDS of product to health professional. |
| In Case of Inhalation: | Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen. Get medical aid if irritation develops or persists. |
| In Case of Skin Contact: | Wipe off product and immediately wash affected area with plenty of soap and water. Remove contaminated clothing, taking care not to impregnate eyes. Seek medical attention if irritation occurs. |
| In Case of Eye Contact: | Hold eyelids apart and immediately flush eyes with plenty of water for at least 15 minutes. Get medical aid if irritation or symptoms occur. |
| In Case of Ingestion: | Immediately contact a physician or poison control center for treatment advice. Victim should drink milk, egg whites or large quantities of water and be induced to vomiting. Never give anything by mouth to someone who is unconscious, having convulsions or unable to swallow. |
| Note to Physician: | Treat symptomatically and supportively. |

5. Fire Fighting Measures

| | |
|--|--|
| Flash Pt: | N.A. |
| Explosive Limits: | LEL: N.A. UEL: N.A. |
| Autoignition Pt: | N.A. |
| Suitable Extinguishing Media: | Use water spray, dry chemical, carbon dioxide, or chemical foam. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. |
| Unsuitable Extinguishing Media: | none known. |
| Fire Fighting Instructions: | As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. |
| Flammable Properties and Hazards: | Toxic fumes under fire conditions, such as SO, SO ₂ , CO, CO ₂ , etc. |
| Hazardous Combustion Products: | none known. |

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6. Accidental Release Measures

Protective Precautions, Protective Equipment and Emergency Procedures:

In case of a large spill, protect people by clearing and isolating the affected area. Such releases should be responded to by trained personnel using pre-planned procedures. In the event of an incidental release, minimum Personal Protective Equipment must be worn: latex or rubber gloves and boots, goggles or full face-shield and coveralls or long sleeved shirt and pants.

Environmental Precautions:

Do not allow to enter drains or waterways.

Steps To Be Taken In Case Material Is Released Or Spilled:

It is necessary to contain the spill into the smallest area possible by diking, scooping, etc., and place liquid into an appropriate container, labeling it accordingly. If product is clean, use it as intended, following original label directions; should it get dirty or contaminated, salvage for proper disposal as waste.

Absorb residual product onto dry carrier such as dirt, sand or any other absorbent material, then put in covered, labeled containers and dispose of as dry waste in accordance with Federal, State and Local waste disposal regulations.

7. Handling and Storage

Precautions To Be Taken in Handling:

Use with adequate ventilation. Avoid breathing dust, mist, or vapor. Avoid contact with eyes, skin, or clothing. Avoid ingestion and inhalation. Use only in a well-ventilated area. Empty containers may contain residual liquid or vapors and therefore should be handled the same as full containers.

Precautions To Be Taken in Storing:

Inspect all incoming containers before storage to ensure all are properly labeled and not damaged. Keep containers tightly closed when not in use. Store in a cool, dry place, away from direct sunlight, sources of intense heat or where freezing is possible. Store away from food, feed, clothing materials and living quarters. Whenever possible, place chemicals on secondary containers or diked area.

8. Exposure Controls/Personal Protection

| CAS # | Partial Chemical Name | OSHA TWA | ACGIH TWA | Other Limits |
|------------|------------------------------|----------|--------------------------|--------------|
| 10034-99-8 | Magnesium sulfate, 7-hydrate | No data. | No data. | No data. |
| NA | Proprietary | No data. | TLV: 1 mg/m ³ | No data. |

Recommended Exposure Limits:

No occupational exposure limits have been established for this mixture.

Respiratory Equipment (Specify Type):

A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use. If the respirator is the sole means of protection, use a full-face supplied air respirator.

Eye Protection:

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Protective Gloves:

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Full contact: Minimum layer thickness: 0.11 mm Break through time: 480 min.

This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers.

Other Protective Clothing:

Choose body protection in relation to its type, to the concentration and amount of

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| Engineering Controls (Ventilation etc.): | dangerous substances, and to the specific work-place. Wear long sleeve shirt, long pants, and protective shoes with socks. General ventilation is usually adequate. Local exhaust should be used if needed for safe, comfortable working conditions. An eye bath and washing facilities should be readily available. |
| Work/Hygienic/Maintenance Practices: | Handle in accordance with good industrial hygiene and safety practice. Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove all dirty or contaminated clothing and wash it before reusing, as well as any other PPE. |
| Environmental Exposure Controls: | Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash water. |

9. Physical and Chemical Properties

| | |
|---|---|
| Physical States: | [] Gas [X] Liquid [] Solid |
| Appearance and Odor: | Opaque, dark brown color. Pleasant, characteristic vanilla odor. |
| pH: | 4 - 5 |
| Freezing Point: | N.E. |
| Boiling Point: | > 240.00 F |
| Flash Pt: | N.A. |
| Evaporation Rate: | N.E. |
| Flammability (solid, gas): | Product is non-flammable. |
| Explosive Limits: | LEL: N.A. UEL: N.A. |
| Vapor Pressure (vs. Air or mm Hg): | N.E. |
| Vapor Density (vs. Air = 1): | N.E. |
| Specific Gravity (Water = 1): | 1.25 - 1.27 at 20.0 C |
| Density: | 10.43 LB/GA |
| Solubility in Water: | > 99% |
| Saturated Vapor Concentration: | N.E. |
| Octanol/Water Partition Coefficient: | N.E. |
| Percent Volatile: | N.A. |
| Autoignition Pt: | N.A. |
| Decomposition Temperature: | N.E. |
| Viscosity: | N.E. |

10. Stability and Reactivity

| | |
|---|---|
| Reactivity: | N.A. |
| Stability: | Unstable [] Stable [X] |
| Conditions To Avoid - Instability: | Stable under normal conditions, but avoid extreme heat and contact with incompatible materials. |
| Incompatibility - Materials To Avoid: | Strong oxidizing agents, strong alkalis, silicon based products. |
| Hazardous Decomposition or Byproducts: | Toxic fumes under fire conditions, such as SO, SO ₂ , CO, CO ₂ , etc. |
| Possibility of Hazardous Reactions: | Will occur [] Will not occur [X] |

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Conditions To Avoid - none known.
Hazardous Reactions:

11. Toxicological Information

Toxicological Information: Mutagenicity: This product has not been investigated for mutagenic effects.
Embryotoxicity: This product has not been investigated for embryotoxic effects.
Teratogenicity: This product has not been investigated for teratogenic effects.
Reproductive Toxicity: This product has not been investigated for toxic reproductive effects.

Irritation or Corrosion: No data available.

Symptoms related to Toxicological Characteristics: No data available.

Sensitization: The sensitizing properties of this product have not been thoroughly investigated.

Chronic Toxicological Effects: The toxicological properties of this material have not been fully investigated.

Carcinogenicity/Other Information: The carcinogenic properties of this product have not been thoroughly investigated.

Carcinogenicity: NTP? No IARC Monographs? No OSHA Regulated? No

12. Ecological Information

General Ecological Information: The available data on the ingredients of this plant nutrient product does not indicate any undue hazard to the environment under anticipated use and storage. Any waste due to spillage or leakage should be contained and disposed of as a Fertilizer (see Section 6 "Accidental Release Measures). Due to its nutrient value, may contribute to eutrophication in bodies of water.

Results of PBT and vPvB assessment: No data available.

Persistence and Degradability: No data available.

Bioaccumulative Potential: No data available.

Mobility in Soil: No data available.

13. Disposal Considerations

Waste Disposal Method: This product, if unaltered by use, may be disposed of by treatment at a permitted facility or as advised by your local waste regulatory authority. Avoid contaminating water by disposal of equipment wash waters or other product wastes. Empty containers may have residues (liquid and/or fumes), thus handle them with care. Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Dispose properly accordingly to regulations on empty containers in your locality or make available to a container reconditioning facility for recycling.
US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

14. Transport Information

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LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Not Regulated. Trade Name: WL MAGNESIUM CHELATE

DOT Hazard Class:

UN/NA Number:

MARINE TRANSPORT (IMDG/IMO):

IMDG/IMO Shipping Name: Not Regulated. Trade Name: WL MAGNESIUM CHELATE

AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name: Not Regulated. Trade Name: WL MAGNESIUM CHELATE

Additional Transport Placards / Markings: N.A.

Information:

Emergency Response Guide Number: N.A.

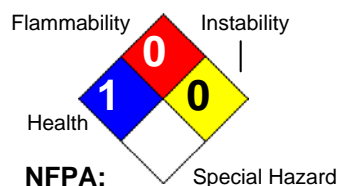
Reportable Quantity: N.A.

15. Regulatory Information

16. Other Information

Revision Date: 01/06/2021

Hazard Rating System:



Additional Information About No data available.

This Product:

Company Policy or

Disclaimer: