



Canadian Agri Products(USA) Corp.

Chemicals to Trade, Experience to Remember

Material Safety Data Sheet (MSDS)

MAPLE ZINC SULFATE MONOHYDRATE

1. Identification of the substance	Ingredient: Chemical formula: Molecular weight: Cas no.:	Zinc Sulphate Monohydrate ZnSO ₄ ·H ₂ O 179.445 7446-19-7 (monohydrate) 7733-02-0 (anhydrous)
2. Composition /information on ingredients	Ingredient: % (By weight) CAS number Classification	Zinc Sulphate Monohydrate 94-100% (as ZnSO ₄ ·H ₂ O) 7446-19-7 (monohydrate) Not regulated (China GB 12268-2005)
3. Hazard Identification	Hazard class: Routes of entry: Health hazards: Environment hazards: Fire/explosion hazards:	Not classified/regulated as dangerous goods (China GB 6944-2005 and GB 12268-2005) Inhalation, ingestion, eye contact. Harmful if swallowed. Irritating to eyes and skin Not regulated. Not classified as fire and explosion hazards.
4. First aid measure	Skin: Eyes: Ingestion: Inhalation:	If swallowed, wash out mouth with water provided person is conscious. Call a physician. Flush eyes with plenty of water for at least 15 minutes. Seek medical attention. DO NOT induce vomiting. Never give anything by mouth to an unconscious person. Seek medical attention. Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.
5. Fire fighting measures	EXTINGUISHING MEDIA: HAZARDS PROTECTION:	This product does not burn or support combustion. Use extinguishing media appropriate for surrounding fire. This product is non-flammable. Wear a self-contained breathing apparatus with a full face piece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment.
6. Accidental Release Measures	PERSONAL PRECAUTIONS:	Wear protective equipment to prevent skin and eye contamination and inhalation of dust.



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	<p>ENVIRONMENTAL PRECAUTIONS: DISPOSAL METHODS:</p>	<p>Prevent entry into sewers or streams and other water bodies. Use appropriate tools to put the spilled material into a sealed container and hold for</p>
<p>7. Handling and Storage</p>	<p><u>HANDLING:</u> <u>STORAGE:</u> PRECAUTIONS:</p>	<p>Avoid breathing dust. Avoid contacting skin, eyes and clothing. Use with adequate ventilation. No smoking, eating and drinking water at workplace. Avoid prolonged or repeated exposure. Store in dry place, keep away from moisture and avoid physical damages. Please pay attention to SECTION 10 CONDITIONS TO AVOID and MATERIALS TO AVOID.</p>
<p>8. Exposure control/Personal Protection</p>	<p>EXPOSURE LIMITS: ENGINEERING CONTROLS: RESPIRATORY PROTECTION: HAND PROTECTION: EYE PROTECTION: SKIN AND BODY PROTECTION: HYGIENE PRECAUTIONS:</p>	<p>- CHINA GBZ 2-2002: No data for Zinc Sulphate - OSHA PEL: N/A - ACGIH TLV: N/A Use adequate exhaust ventilation to keep airborne concentrations below the allowable exposure limits. Dustproof respirators Protective gloves. Safety glasses. Goggles. Resistant protective clothing. No smoking, eating and drinking water at workplace. Washing hands before eating. Taking bath after work.</p>
<p>9. Physical /Chemistry Properties</p>	<p>Physical state: Colour: Odour: Ph value: Melting point: Boiling point: Decomposition temperature: Flash point: Autoignition temperature: Explosion properties: Vapour pressure: Vapour density(air=1): Density/specific gravity (water=1): Solubility: Octanol/water partition</p>	<p>Solid White powder or granule. Odourless 4.0-7.0 N/A N/A N/A N/A N/A N/A No explosion property. N/A N/A 3.28 Readily soluble in water, slightly soluble in alcohol, insoluble in acetone. N/A</p>



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	coefficient:	
10. Stability and Reactivity	<p>Stability: Stable.</p> <p>Conditions to avoid: Incompatible materials, High temperatures, moisture.</p> <p>Materials to avoid: Strong oxidizing agents, strong acids, hydrogen peroxides.</p> <p>Hazardous polymerization: Will not occur.</p> <p>Hazardous decomposition products Sulfur oxides, oxides of zinc</p>	
11. Toxicology Information	<p>ACUTE TOXICITY: Acute Oral LD50: Not Available. Acute Dermal LD50: Not Available. Acute Inhalation LC50: Not Available. EYES: Stinging, tearing, redness. SKIN: Mild skin sensitiser, redness. INGESTION: vomiting, nausea, stomach pain, blood in the stool, inability to urinate. INHALATION: Cough, shortness of breath, etc.</p> <p>CHRONIC EXPOSURE: It may cause harmful effects on respiratory system, digestive system and circulatory system. May cause minor, reversible health effects on the lungs. Long-term exposures to high concentrations of dusts may increase mucous flow in the nose and airways, anemia, swelling or other skin eruptions.</p> <p>TERATOGENICITY: N/A PRODUCTION TOXICITY: N/A MUTAGENICITY: N/A CARCINOGENICITY: Not listed as a suspected / confirmed carcinogen by IARC, NTP.</p>	
12. Ecological Information	<p>OVERVIEW: Don't allow undiluted product or large quantities to penetrate into ground water, water bodies or sewage system.</p> <p>BIODEGRADABILITY: N/A ECOTOXICITY: N/A</p>	
13. Disposal consideration	<p>METHODS OF DISPOSAL: Dispose of according to all applicable governments' regulations.</p> <p>CONTAMINATED PACKAGING: Empty packaging should be recycled or disposed of through an approved waste management facility.</p>	
14. Transport Information	<p>PROPER SHIPPING NAME: Not regulated</p> <p>UN NO.: N/A HAZARD CLASS (IMDG): N/A PACKING GROUP: N/A MARINE POLLUTANT: N/A</p>	



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**15.Regulatory
Information**

China:

Not listed as dangerous goods by GB 12268-2005.

International:

Please pay attention to any applicable national regulations as to the hazard and safety information of this product.

THE INFORMATION IN THIS MSDS RELATES TO THIS SPECIFIC MATERIAL. IT MAY NOT BE VALID FOR THIS MATERIAL IF USED IN COMBINATION WITH ANY OTHER MATERIALS OR IN ANY PROCESS. IT IS THE USERS' RESPONSIBILITY TO SATISFY THEMSELVES AS TO THE SUITABILITY AND COMPLETENESS OF THIS INFORMATION FOR THEIR OWN PARTICULAR USE.

All non-emergency questions should be
Directed to Customer Service at

972-403-7444

24 hour emergency Telephone: Chemtrec 800-424-9300

National response in Canada: Canutec 613-996-6666

Outside US & Canada: Chemtrec: 202-483-7616

Note: Chemtrec and Canutec
emergency numbers to be used only in
the event of chemical emergencies
involving a spill, leak, exposure or
accident involving chemicals.