



Canadian Agri Products(USA) Corp.

Chemicals to Trade, Experience to Remember

Material Safety Data Sheet (MSDS)

MAPLE MAGNESIUM SULFATE HEPTAHYDRATE

1. Product identity	Product Name : Magnesium Sulphate Heptahydrate Chemical Formula : $MgSO_4 \cdot 7H_2O$ Molecular Weight : 246.47 CAS # : 10034-99-8 (Heptahydrate) : 7487-88-9 (Anhydrous)
2. Composition	Substance Ingredients : Magnesium Sulphate Heptahydrate % By Weight : 98-100% (as $MgSO_4 \cdot 7H_2O$) CAS No. : 10034-99-8 (Heptahydrate) Classification : Not regulated.
3. Hazardous Identification	Hazard Class : Not classified / regulated as dangerous goods. Routes of Entry : Ingestion Health Hazards : May be harmful if large amount swallowed. Environmental Hazards : Not regulated Fire/Explosion Hazards : Not classified as fire and explosion hazards.
4. First Aid Measure	Skin : Take off contaminated clothing and flush eyes with plenty of water. Eyes : Flush eyes with plenty of water. Seek medical attention if symptoms persist. Ingestion : Drink several glasses of water. If large amount is swallowed get medical advice. Inhalation : Go outdoors to fresh air. Get medical attention for Any breathing difficulty.
5. Fire-Fighting Measures	Extinguishing Media : This product does not burn or support combustion. Use extinguishing media appropriate for surrounding fire. Hazards : This product is non-flammable. Protection : 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. Environmental Precautions : Prevent entry into sewers or streams and other water bodies.



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	<p>Disposal Methods : Use appropriate tools to put the spilled material into a sealed container and hold for reuse or later disposal</p>
<p>7. Handling and Storage</p>	<p>Handling : Use adequate ventilation. No smoking, eating and drinking water at workplace. Avoid prolonged or repeated exposure.</p> <p>Storage : Store in a dry place, keep away from moisture. Avoid physical damages.</p> <p>Precautions : Please pay attention to Section 10 CONDITIONS TO AVOID & MATERIALS TO AVOID.</p>
<p>8. Exposure Control</p>	<p>Exposure Limits : - CHINA GBZ 2-2002: No data for Magnesium Sulpha - OSHA PEL : N/A - ACGIH TLV: N/A</p> <p>Engineering Controls : Use adequate exhaust ventilation to keep airborne concentrations below the allowable exposure limits.</p> <p>Respiratory Protection :Dustproof respirators</p> <p>Hand Protection : Protective gloves</p> <p>Eye Protection : Safety glasses. Use goggles.</p> <p>Skin and Body Protection : Resistant protective clothing.</p> <p>Hygiene Precautions : No smoking, eating and drinking water at workplace. Washing hands before eating. Taking bath after work.</p>
<p>9. Physical and Chemical Properties</p>	<p>Physical State : Solid</p> <p>Colour : White or transparent crystals</p> <p>Odour : Odourless</p> <p>pH Value : 6.0-8.0</p> <p>Melting Point : 150^oC</p> <p>Boiling Point : N/A</p> <p>Decomposition temperature : N/A</p> <p>Flash Point : N/A</p> <p>AutoIgnition Temperature : N/A</p> <p>Explosion properties : No explosion property</p> <p>Vapour Pressure : N/A</p> <p>Vapour Density (Air=1) : N/A</p> <p>Density/Specific Gravity(Water=1) : 1.68</p> <p>Solubility : Easily soluble in water</p> <p>Octanol/Water Partition Coefficient : N/A</p>
<p>10. Accidental Release Measures</p>	<p>Stability : Stable</p> <p>Conditions to Avoid : Incompatible materials, High temperature.</p> <p>Material to Avoid : Acid halides & anhydrides, ethoxy ethyl alcohols,</p>



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	<p>arsenates, phosphorus halides, tartrates, thionyl chloride, etc.</p> <p>Hazardous Polymerization: Will not occur.</p> <p>Hazardous Decomposition : Sulphur oxides, oxides of magnesium</p>
11. Toxicological Information	<p>Acute Toxicity : Acute Oral LD50 : Not available :Acute Dermal LD50 : Not available :Acute Inhalation LC50 : Not available</p> <p>Eyes : No adverse effects expected but dust may cause mechanical irritation.</p> <p>Skin : Adverse symptoms are unlikely to occur.</p> <p>Ingestion : Dust may be slightly irritating. Nausea, vomiting, diarrhoea might occur.</p> <p>Inhalation : Cough, sore throat, etc.</p> <p>Chronic exposure : N/A</p> <p>Teratogenicity : N/A</p> <p>Production Toxicity : N/A</p> <p>Mutagenicity : N/A</p> <p>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</p> <p>Ecotoxicity : N/A</p>
13. Disposal Considerations	<p>Methods of Disposal : Dispose of according to all applicable governments Regulation.</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</p> <p>Hazard Class : N/A</p> <p>Packing Group : N/A</p> <p>Marine Pollutant : No</p>
15. Regulatory Information	<p>China International : Not listed as dangerous goods in GB12268-2005 : Please pay attention to any applicable national Regulations as to the hazard and safety information of this product.</p>



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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

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.