# Safety Data Sheet

## 1. Identification

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| **Product Name:** | Magnesium Malate — Bulk Food Grade |
| **Synonyms:** | Magnesium salt of malic acid |
| **Recommended Use:** | Mineral ingredient for foods, beverages and supplements. |
| **Restrictions on Use:** | None known for food use within regulatory limits. |
| **Supplier:** | LiquidShop (Liquid Solution), 613 Rte du Président-Kennedy, porte 6, Lévis, QC G6C 1J6, Canada |
| **Contact:** | info@liquidsolution.ca · liquidshop.ca |
| **Emergency Telephone:** | Centre antipoison du Québec: 1-800-463-5060 (24 h) |

## 2. Hazard Identification

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| **Classification:** | Not classified as a hazardous product under WHMIS 2015 (HPR) or GHS. |
| **Label Elements:** | No pictogram, signal word or hazard statement required. |
| **Other Hazards:** | Dust may cause mild mechanical irritation to eyes and respiratory tract. Fine dust dispersed in air may form combustible dust concentrations. |

## 3. Composition / Information on Ingredients

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| **Substance:** | Magnesium malate |
| **Composition:** | 100 % magnesium malate |

## 4. First-Aid Measures

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| **Inhalation:** | Move to fresh air. Seek medical attention if symptoms persist. |
| **Skin Contact:** | Wash with soap and water. |
| **Eye Contact:** | Rinse cautiously with water for several minutes. Remove contact lenses if easy to do. Seek medical attention if irritation persists. |
| **Ingestion:** | Rinse mouth with water. Seek medical attention if large amounts are swallowed and symptoms occur. |
| **Symptoms / Effects:** | No significant acute effects expected. Dust may irritate eyes. |

## 5. Fire-Fighting Measures

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| **Extinguishing Media:** | Water spray, foam, dry chemical or CO2. |
| **Specific Hazards:** | Not flammable. Fine dust may form combustible mixtures with air. Thermal decomposition may release oxides of carbon and magnesium oxide. |
| **Protective Equipment:** | Self-contained breathing apparatus and full protective clothing. |

## 6. Accidental Release Measures

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| **Personal Precautions:** | Avoid dust formation and contact with eyes. Ensure adequate ventilation. |
| **Environmental Precautions:** | Avoid release of large quantities to drains and surface water. |
| **Clean-up:** | Sweep or vacuum up and place in a suitable closed container for disposal. Avoid generating dust. |

## 7. Handling and Storage

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| **Handling:** | Handle in accordance with good manufacturing and hygiene practices. Avoid dust formation. |
| **Storage:** | Store in a cool, dry place in tightly closed containers, protected from light and moisture. Keep away from strong oxidizing agents. |

## 8. Exposure Controls / Personal Protection

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| **Exposure Limits:** | No occupational exposure limits established. Nuisance dust limits apply. |
| **Engineering Controls:** | General or local exhaust ventilation to control dust. |
| **Eye Protection:** | Safety glasses with side shields. |
| **Skin Protection:** | Food-grade gloves and clean work clothing. |
| **Respiratory Protection:** | Dust mask (N95) if dust is generated. |

## 9. Physical and Chemical Properties

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| **Appearance:** | White fine powder |
| **Odour:** | Odourless |
| **Flammability:** | Not flammable |

## 10. Stability and Reactivity

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| **Chemical Stability:** | Stable under recommended storage conditions. |
| **Conditions to Avoid:** | Excessive heat, moisture, dust generation. |
| **Incompatible Materials:** | Strong oxidizing agents. |
| **Hazardous Decomposition:** | Oxides of carbon and magnesium oxide. |

## 11. Toxicological Information

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| **Acute Oral Toxicity:** | Low acute toxicity. High intake of magnesium salts may cause a laxative effect. |
| **Irritation:** | Dust may cause mild, transient eye irritation. |
| **Sensitization / CMR:** | Not a sensitizer. Not classified as carcinogenic, mutagenic or toxic to reproduction. |

## 12. Ecological Information

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| **Ecotoxicity:** | No significant ecotoxicity expected. |
| **Persistence:** | Expected to be biodegradable. |
| **Bioaccumulation:** | Not expected to bioaccumulate. |

## 13. Disposal Considerations

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| **Disposal:** | Dispose of in accordance with local, provincial and federal regulations. Empty packaging may be recycled. |

## 14. Transport Information

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| **TDG / DOT / IATA / IMDG:** | Not regulated as dangerous goods. |

## 15. Regulatory Information

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| **Canada:** | Not a hazardous product under WHMIS 2015. |

## 16. Other Information

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| **Date of Issue:** | 2026-10-08 |
| **Revision:** | 00 |

*The information in this Safety Data Sheet is believed to be accurate as of the date of issue. It is provided for safe handling, use and disposal and does not constitute a warranty or quality specification.*