



MATERIAL SAFETY DATA SHEET

Magnesium sulphate heptahydrate

MSDS Date of Issue: 10/10/06

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Magnesium sulphate heptahydrate – Epsom Salts
PRODUCT CODE(S): 3001750, 3001850, 3001800, 3001890

DISTRIBUTOR: TerraLink Horticulture Inc.
ADDRESS: 464 Riverside Road, Abbotsford, BC. Canada V2S 7M1
PHONE: 604-864-9044

24 HOUR CEDA EMERGENCY PHONE: 604-540-4100
CHEMICAL SPILLS: 800-663-3456

PRODUCT USE: Fertilizer
PREPARED BY: Regulatory Affairs
REVISION DATE: January 17, 2011.

SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

<u>REPORTABLE INGREDIENT(S)</u>	<u>CAS NO.</u>	<u>EXPOSURE LIMITS OSHA PEL-TWA</u>	<u>% VOL/WT</u>
Epsom Salt Magnesium sulphate	10034-99-8	NA	100

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

CAUTION: KEEP OUT OF REACH OF CHILDREN

Emergency Overview: White or transparent crystalline odorless powder. Noncombustible. At very high temperatures magnesium oxide, sulfur dioxide and sulfur trioxide may be generated.

Eye Contact: No known adverse effects

Skin Contact: No known adverse effects

Inhalation: Causes nausea, vomiting, abdominal cramps and diarrhea

Ingestion: Causes nausea, vomiting, abdominal cramps and diarrhea

Chronic Hazards: No known chronic hazards. Not listed by NTP, IARC or OSHA as a carcinogen.

Physical Hazards: Spilled material can be slippery.

SECTION 4: FIRST AID MEASURES

Eye Contact: Not applicable

Skin Contact: Not applicable

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Ingestion: If large quantities of this material is swallowed, do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Call physician immediately.

SECTION 5: FIRE-FIGHTING MEASURES

Flammable Limits: Not applicable

Fire Extinguishing Media: Compatible with all extinguishing media

Special Fire Fighting Procedures: Use positive pressure supplied air breathing apparatus, chemical goggles, body covering, protective clothing.

Hazardous Decomposition Products: At very high temperatures, magnesium oxide, sulfur dioxide and sulfur trioxide may be generated.

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SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Protection: Wear chemical goggles

Environmental Hazards: Sinks and mixes with water. No adverse effects known. Not a listed toxic chemical under SARA Title III, 313 40 CFR Part 372. Not a CERCLA Hazardous Substance under 40 CFR Part 302.

Small Spill and Cleanup: Carefully shovel or sweep up spilled material and place in suitable container. Avoid generating dust. Use appropriate Personal Protective Equipment.

Large Spill Cleanup: Keep unnecessary people away, isolate hazard area and deny entry. Do not touch or walk through spilled material. Carefully shovel or sweep up spilled material and place in suitable container. Avoid generating dust. Use appropriate personal protective equipment (PPE).

CERCLA RQ: There is no CERCLA Reportable Quantity for this material.

SECTION 7: HANDLING AND STORAGE

Handling: Avoid breathing dust. Promptly clean up spills

Storage: Keep containers closed. Protect from extremes of temperature and humidity during storage. Recommended storage conditions 68-110 deg. F. and 54-87% relative humidity.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Use with adequate ventilation. Safety shower and eyewash fountain should be within direct access.

Respiratory Protection: Use a NIOSH approved dust respirator where dust occurs. Observe OSHA regulations for respirator use (29 CFR 1910.134)

Skin Protection: Wear gloves if abrasion or irritation occurs

Eye Protection: Wear chemical goggles

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor: Colorless transparent crystals. Odorless.

Specific Gravity (liquids only): 1.76 g/cm³, Bulk Density Approx.: 1.05 g/mc³

Solubility in Water: 71 g/100 ml at 20oC, 91 g/100ml at 40oC

Solids Content: 100%

pH: Approximately 6-7

SECTION 10: STABILITY AND REACTIVITY

Stability: This material is stable under all conditions of use and storage

Conditions to Avoid: None

Materials to Avoid: Metal hydrides and other water reactive materials

Hazardous Decomposition Products: At very high temperatures, magnesium oxide, sulfur dioxide and sulfur trioxide may be generated.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Data: When tested for primary irritation potential, this material caused mild eye irritation.

RTECS reports Oral TDLo=428 mg/kg in man - 351 mg/kg in women.

SECTION 12: ECOLOGICAL INFORMATION

Eco Toxicity: Data not available

Environmental Fate: This material is not persistent in aquatic systems and does not contribute to BOD. It does not bio-concentrate up the food chain.

Physical/Chemical: Sinks and mixes with water

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Dispose of according to local, provincial and federal government requirements.



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RCRA HAZARD CLASS: NA

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SECTION 14: TRANSPORT INFORMATION

CANADIAN TDG DESCRIPTION (Road and Rail): Not regulated for transport by Road/Rail in Canada. Contact manufacturer for updates to transport information.

SECTION 15: REGULATORY INFORMATION

WHMIS HAZARD CLASS: Not regulated.

SECTION 15 NOTES: This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

SECTION 16: OTHER INFORMATION

ADDITIONAL INFORMATION:

Abbreviations used throughout the MSDS are:

NA = Not available
NAb = Not available for blend
NAp = Not applicable
N/E = None established

Company references utilized in preparation of the MSDS.

DISCLAIMER:

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