



Dominion Veterinary Laboratories Limited

Quality Animal Health Pharmaceuticals - Dedicated Service Since 1950

1199 Sanford Street - Winnipeg, Manitoba R3E 3A1

Telephone: (204) 589.7361 / 589.7362 - Fax: (204) 943.9612

Toll Free: 1.800.465.7122 - www.domvet.com

Safety Data Sheet EPSOM SALTS

Date: November 15, 2021

Identification

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Epsom Salts
Synonyms: Magnesium Sulfate
Chemical Formula: MgSO₄.7H₂O

Recommended use of the chemical and restrictions on use
For use in fertilizer and animal nutrition applications

Uses advised against:
Not intended for human consumption

Product Code: 00P-EPSOM

D.I.N.: N/A

Supplier: Shelbri Chemical Sales (Division of)
Dominion Veterinary Labs LTD.
1199 Sanford St.
Winnipeg, Manitoba
R3E 3A1
Telephone: (204)-586-3484
Fax: (204)-943-9612

Emergency telephone number :
Local Emergency Contact : During Office hours Monday-Friday, 9:00 am - 4.30 pm (CST) : 1-204-589-7361,
800-465-7122.

HAZARDS IDENTIFICATION

GHS Classification: Not hazardous
Label elements: Not required
Potential Acute Health Hazardous in case of ingestion. Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of inhalation.
Potential Chronic Health Effects:
Carcinogenic Effects: Not available
Mutagenic Effects: Not available



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SECTION 3: Composition / information on ingredients

Composition:

Name	CAS #	% by Weight
Magnesium sulphate heptahydrate	10034-99-8	100

Toxicological Data on Ingredients: Not applicable.

First aid measures

Eye Contact:	Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used.
Skin Contact:	After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cold water may be used. Cover the irritated skin with an emollient. If irritation persists, seek medical attention.
Serious Skin Contact:	Not available.
Inhalation:	Allow the victim to rest in a well ventilated area. Seek immediate medical attention.
Serious Inhalation:	Not available.
Ingestion:	Do not induce vomiting. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.
Serious Ingestion:	Not available

Firefighting measures

Flammability of the Product:	Non-flammable.
Auto-Ignition Temperature:	Not applicable.
Flash Points:	Not applicable.
Flammable Limits:	Not applicable.
Products of Combustion:	Not available.
Fire Hazards in Presence of Various Substances:	Not applicable.

Explosion Hazards in

Presence of Various Substances: Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.



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Fire Fighting Media and Instructions:

Not applicable.

Special Remarks on Fire Hazards:

Not available.

Special Remarks on Explosion Hazards:

Not available.

Accidental release measures

Small Spill:

Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill:

Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

Handling and storage

Precautions: No specific safety phrase has been found applicable for this product.

Storage:

No specific storage is required. Use shelves or cabinets sturdy enough to bear the weight of the chemicals. Be sure that it is not necessary to strain to reach materials, and that shelves are not overloaded.

Exposure controls/personal protection

Engineering Controls:

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection:

Safety glasses. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:

Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:

Not available.

Physical and chemical properties

Information on basic physical and chemical properties

Appearance

Form: Solid

Odour

Not Available



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Molecular Wt	246.46 g/mole
pH (1% soln/water)	Not Available
Melting point	Decomposes at 150 °C
Boiling point and	Not Available
Critical Temperature:	Not available.
Specific Gravity:	1.67 (Water = 1)
Vapor Pressure:	Not applicable.
Vapor Density:	Not available.
Volatility:	Not available.
Odor Threshold:	Not available.
Water/Oil Dist. Coeff.:	Not available.
Ionicity (in Water):	Not available.
Dispersion Properties:	See solubility in water.
Solubility:	Easily soluble in cold water.

Stability and reactivity

Stability:	The product is stable.
Instability Temperature:	Not available.
Conditions of Instability:	Not available.
Incompatibility with various substances:	Not available.
Corrosivity:	Non-corrosive in presence of glass.
Special Remarks on Reactivity:	Not available.
Special Remarks on Corrosivity:	Not available.
Polymerization:	No.

Toxicological information

Routes of Entry: Ingestion.

Toxicity to Animals:

LD50: Not available. LC50: Not available.

Chronic Effects on Humans: Not available.

Other Toxic Effects on Humans:

Hazardous in case of ingestion. Slightly hazardous in case of skin contact (irritant), of inhalation.

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Passes through the placental barrier in human.

Special Remarks on other Toxic Effects on Humans: Not available.

Ecological information

Ecotoxicity:	Not available.
BOD5 and COD:	Not available.
Products of Biodegradation:	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.



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Toxicity of the Products

of Biodegradation: The products of degradation are more toxic.

Special Remarks on the Products of Biodegradation: Not available.

Disposal considerations

DISPOSAL METHODS: Disposal should be in accordance with the principles of Duty of Care observing local and national regulations.

Transport information

TDG (Can) Classification: Not classified as hazardous for transport.

DOT (US) Classification: Not classified as hazardous for transport.

IMDG Classification: Not classified as hazardous for transport.

IATA Classification: Not classified as hazardous for transport.

SECTION 15: Regulatory information

Federal and State Regulations: TSCA 8(b) inventory: Magnesium sulphate heptahydrate

Regulations: Not available..

Other Classifications:

WHMIS (Canada): Not controlled under WHMIS (Canada).

This product is not classified according to the EU regulations.DSCL (EEC):

HMIS (U.S.A.): Health Hazard: 1 Fire Hazard: 0 Reactivity:

SECTION 16: Other information

The information contained herein is, to the best of our knowledge, true and accurate. Any recommendations or suggestions are made without obligation on our part and the Company accepts no liability to any customers, their employees or any other person whatsoever for any loss, injury or damage whether direct or consequential, which may be caused by an error or emission from this sheet even if negligence or otherwise.

Preparation Date: 03/18/14

Revision Date: 11/15/21

Issued By: Dominion Vet Labs. Ltd.

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