

**MSDS SHEET**

**1. Identification of Substance/Preparation & Company**

**PRODUCT NAME:** Epsom Salt Coarse Grain USP

**BOTANICAL NAME/INCI** Magnesium Sulfate

**PRODUCT USE:** Aromatherapy/Cosmetic/Industrial

**ORIGIN:** USA

**SUPPLIER:** Botanic Planet Canada Inc. 2 Bram Ct, Unit # 3 Brampton OntL6W 3R6 Canada

**CAS Number:** 10034-99-8

**Phone / Fax:** 905-455-4444 / 905-455-8841

**Emergency Tel No:** (613)-996-6666 CANUTEC 24 HOUR EMERGENCY

**2. Hazards Identification**

**GHS Classification**

Not classified as dangerous goods.

**GHS Label elements, including precautionary statements**

Signal: Not applicable

**Hazard statement(s)**

Not applicable**.**

**Precautionary statement(s)**

Not applicable

**3. Composition / Information on Ingredients**

**Product Name CAS NO EC NO Concentration**

Magnesium Sulfate 10034-99-8 600-073-4 100 %

**4. First-Aid Measure**

**INHALATION:** Remove from exposure site to fresh air. Keep at rest. Obtain medical attention.

**EYE CONTACT:** Rinse immediately with plenty of water for at least 15 minutes. Contact a doctor if symptoms persist.

**SKIN CONTACT:** Remove contaminated clothes. Wash thoroughly with soap & water, flush with plenty of

water. If irritation persists, seek medical advice.

**INGESTION:** Rinse out mouth with water. Seek medical advice immediately.

**OTHER:** When assessing action take Risk & Safety Phrases into account (Section 15).

**5. Fire Fighting Measures**

**EXTINGUISHING MEDIA:** Use CO², Dry Powder or Foam type Extinguishers, spraying extinguishing media to base of flames. Do not use direct water jet on burning material.

**SPECIAL MEASURES:** Avoid vapour inhalation. Keep away from sources of ignition. Do not smoke. Wear positive pressure self-contained breathing apparatus & protective clothing.

**EXTINGUISHING PROCEDURES:** Closed containers may build up pressure when exposed to heat and should be cooled with

water spray.

**6. Accidental Release Measures**

**PERSONAL PRECAUTIONS**: Avoid inhalation & direct contact with skin & eyes. Use individual protective equipment (Safety glasses, waterproof-boots, suitable protective clothing) in case of major spillages.

**ENVIRONMENT PRECAUTIONS**: Keep away from drains, soils, surface & ground waters.

**CLEAN UP METHODS** Remove all potential ignition sources. Contain spilled material. Cover with an inert or FOR SPILLAGES: non-combustible inorganic absorbent material, sweep up and remove to an approved

disposal container. Observe municipal, federal and local disposal regulations.

**7. Handling & Storage**

**PRECAUTIONS IN HANDLING:** Apply good manufacturing practice & industrial hygiene practices, ensuring proper ventilation. Observe good personal hygiene. Do not eat, drink or smoke whilst handling.

**STORAGE CONDITIONS:** Store in tightly closed original container, in a cool, dry & ventilated area away from heat sources & protected from light. Keep air contact to a minimum.

**FIRE PROTECTION:** Keep away from ignition sources & naked flames. Take precautions to avoid static

discharges in working area.

**8. Exposure Controls/Personal Protection**

**RESPIRATORY PROTECTION:** Avoid breathing product vapour. Apply local ventilation where possible.

**VENTILATION:** Ensure good ventilation of working area.

**HAND PROTECTION:** Avoid all skin contact. Use chemically resistant gloves if required.

**EYE PROTECTION:** Use safety glasses.

**WORK / HYGIENE PRACTICES:** Wash hands with soap & water after handling.

**9. Physical & Chemical Properties**

**Appearance:**  White Crystals and powder

**Odor:** No odor

**pH** (5% solution w/w in water): 6 - 7

**Melting/Freezing Point**: Not Available

**Boiling Point**: Not Available

**Flash Point:** Not applicable

**Evaporation Rate**: Not Available

**Flammability (Solid; Gas):** Not Available

**Upper/Lower Flammability or Explosion Limits:** Not Available

**Vapor Pressure (mm Hg @ 25°C (77° F):** Not Applicable

**Vapor Density:** Not Applicable

**Relative Density**: Not Available

**Specific Gravity**: 1.76 g/cm3

**Weight per Gallon**: Not Available

**Partition Coefficient (n-octanol/water**): Not Available

**Solubility in Water:** 71 g/100 mL @ 20 °C; 91 g/100 mL @ 40 °C

**Auto-Ignition Temperature:** Not Available

**Decomposition Temperature**: Not Available

**Viscosity**: Not Available

**10. Stability & Reactivity**

**REACTIVITY:** It presents no significant reactivity hazards, by itself or in contact with water. Avoid contact

with strong acids, alkali or oxidizing agents.

**DECOMPOSITION:** Liable to cause smoke & acrid fumes during combustion: carbon monoxide, carbon dioxide and other non-identified organic compounds may be formed.

**11. Toxicological Information**

May be irritation to skin.

**12. Ecological Information**

**BIODEGRADABILITY:** Data not available

**PRECAUTIONS:** Prevent surface contamination of soil, ground & surface water.

**13. Disposal Considerations**

Avoid disposing to drainage systems and into the environment. Seek expert advice.

**14. Transport Regulations**

ROAD (ADR/RID): n/a

AIR (IATA/ICAO): n/a

SEA (IMDG): n/a

CHIP: See section 15

**15. Regulatory Information According to Directive 88/379/EEC**

HAZARDS: n/a

SYMBOLS: n/a

RISK PHRASES: n/a

SAFETY PHRASES: n/a

**16. Other Information**

**Shelf life of this product depends very much on storage conditions, particularly moisture, temperature, exposure to light and air.**

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**CERTIFICATE OF ANALYSIS**

**Product Name:** Epsom Salt Coarse Grain USP

**INCI:** Magnesium Sulfate

**Lot No.** BPCESCG072023

**Expiry:** July 2026

**Origin:** USA

**Properties Specifications Results**

USP - Assay (as MgSO₄) 99.5 - 100.5 % 99.5

USP - Identification A Passes Test PT

USP - Identification B Passes Test PT

USP - pH (1 in 20) 5.0 - 8.8 6.9

USP - Loss on Ignition 40.0 - 52.0 % 51.7

USP - Chloride (Cl) <= 0.014 % < 0.014

USP - Heavy Metals (as Pb) <= 0.001 % <0.001

USP - Selenium (Se) <= 0.003 % < 0.003

USP - Iron (Fe)(µg/g) <= 0.5 < 0.5

FCC - Assay (as MgSO₄) 99.5 - 100.5 % 99.5

FCC - Identification A Passes Test PT

FCC - Identification B Passes Test PT

FCC - Loss on Ignition 40.0 - 52.0 % 51.7

FCC - Lead (Pb) <= 4 mg/kg < 4

FCC - Selenium (Se) <= 0.003 % < 0.003

Solubility (5 in 50) Passes Test PT

For longer shelf life keep it away from direct light, heat and moisture

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