SAFETY DATA SHEET

Epsom Salt / Magnesium Sulfate USP

Prepared in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200) and GHS

SDS DATE	VERSION	PRODUCT CODE (SKU)	CAS NO.
11/02/2026	1.0	EPSOM-1LB	10034-99-8

SECTION 1: IDENTIFICATION

1.1 Product identifier

Product name	**Epsom Salt / Magnesium Sulfate USP**
Product code (SKU)	EPSOM-1LB
Chemical name / synonyms	Magnesium sulfate heptahydrate; Epsom salts
CAS No.	10034-99-8
Product form	Substance
Grade	USP

1.2 Recommended use and restrictions on use

Recommended use	Raw material for cosmetic, bath and personal-care products.
Uses advised against	No information available.

1.3 Responsible party and supplier

Supplier / responsible party	**LA Ingredients** 853 Sandhill Avenue Carson, CA 90746, USA
Email / website	support@laingredients.com laingredients.com

1.4 Emergency telephone number

Emergency telephone (24 hours)	**+1 656 232 3588** Hazmat Line Emergency Response (24 hours a day, 7 days a week)

SECTION 2: HAZARD(S) IDENTIFICATION

2.1 Classification of the substance or mixture (GHS / OSHA HCS 2012)

Not classified as hazardous under the OSHA Hazard Communication Standard (29 CFR 1910.1200) and GHS, based on the manufacturer's data.

2.2 GHS label elements

Signal word	None
Hazard statement(s)	None. Not applicable.
Precautionary statement(s)	None required for classification. See Sections 7 and 8 for good-practice handling.

2.3 Hazards not otherwise classified (HNOC)

Spillages may be slippery.

Dust may cause mild eye irritation. Ingestion may cause abdominal cramps and diarrhea (reported by the manufacturer as a hazard not otherwise classified, ingestion).

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Substance. Single component.

Chemical name	CAS No.	EC No.	Concentration	GHS classification
Magnesium sulfate heptahydrate	10034-99-8	—	100 %	Not classified

SECTION 4: FIRST-AID MEASURES

4.1 Description of first-aid measures

General advice	Treat symptomatically.
Inhalation	Remove to fresh air. Administer oxygen if breathing is difficult. If breathing has stopped, give artificial respiration. Get medical attention immediately.
Skin contact	If irritation develops, seek medical attention.
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek medical attention if irritation persists.
Ingestion	If large quantities are swallowed, call a physician immediately. Do NOT induce vomiting unless directed to do so by a physician. Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, acute and delayed

Dust may be irritating to the eyes.

Ingestion may cause abdominal cramps and diarrhea.

4.3 Immediate medical attention and special treatment

Treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable	Compatible with all extinguishing media and standard firefighting techniques.
Unsuitable	None.

5.2 Special hazards arising from the substance or mixture

Noncombustible.

Oxides of sulfur may be generated during a fire.

5.3 Advice for fire-fighters

As in any fire, use self-contained breathing apparatus and suitable protective clothing.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Wear goggles. If inhalation exposure potential is above local exposure limits, use appropriate respiratory protection for particulates.

6.2 Environmental precautions

Sinks and mixes with water. No adverse effects known.

6.3 Methods and materials for containment and cleaning up

Prevent further leakage or spillage if safe to do so.

Sweep, scoop or vacuum discharged material. Flush residue with water.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid generating dust. Promptly clean up spills.

7.2 Conditions for safe storage, including incompatibilities

Keep containers closed and protected from extremes of temperature and humidity during storage. Material is not affected by impact.

Incompatible materials: metal hydrides and other water-reactive materials.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Particulates not otherwise classified (as reported by the manufacturer):

ACGIH TLV: 10 mg/m³ inhalable, 3 mg/m³ respirable.

OSHA PEL: 15 mg/m³ total, 5 mg/m³ respirable.

8.2 Appropriate engineering controls

Ensure adequate ventilation. Ensure eye washes and safety showers are available.

8.3 Individual protection measures / personal protective equipment (PPE)

Eye / face	Wear safety glasses or chemical goggles.
Skin / hands	Wear gloves if abrasion or irritation occurs.
Body	Wear gloves if abrasion or irritation occurs.
Respiratory	Avoid inhalation of dust. Use suitable respiratory protection in accordance with 29 CFR 1910.134, based on the level of exposure.
Hygiene	Handle in accordance with good industrial hygiene and safety practice.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state	Solid (granular to fine granular)
Color	White or transparent
Odor	None
Odor threshold	No data available
pH	Approx. 6–7 at 5 % w/w in water
Melting point / freezing point	Melting point > 100 °C
Boiling point / range	Not applicable
Flash point	Not applicable

Evaporation rate	Not applicable
Flammability	Not applicable
Upper / lower flammability limits	No data available
Vapor pressure	Not applicable
Vapor density	Not applicable
Specific gravity	1.76 g/cm³
Bulk density	55–58 lb/ft³
Solubility in water	71 g/100 mL at 20 °C; 91 g/100 mL at 40 °C
Solubility in other solvents	No data available
Partition coefficient	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidizing properties	No data available

9.2 Other information

No data available.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity	No data available.
10.2 Chemical stability	Stable under recommended storage conditions.
10.3 Possibility of hazardous reactions	None under normal processing.
10.4 Conditions to avoid	Extremes of temperature and direct sunlight.
10.5 Incompatible materials	Metal hydrides and other water-reactive materials.
10.6 Hazardous decomposition products	At very high temperatures: magnesium oxide, sulfur dioxide and sulfur trioxide.

SECTION 11: TOXICOLOGICAL INFORMATION

Likely routes of exposure	Eye contact, ingestion, inhalation of dust.
Acute toxicity	Not classified. Ingestion: RTECS oral LDLo 428 mg/kg (man) and 351 mg/kg (woman).
Skin corrosion / irritation	No data available.
Serious eye damage / irritation	Dust may be irritating to the eyes.
Respiratory or skin sensitization	No information available.
Germ cell mutagenicity	No information available.

Carcinogenicity	Not listed by IARC, NTP or OSHA.
Reproductive toxicity	No information available.
STOT – single exposure	Not classified.
STOT – repeated exposure	Not classified.
Aspiration hazard	No information available.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Ecotoxicity	Not classified as PBT or vPvB. No adverse effects known.
12.2 Persistence and degradability	No information available.
12.3 Bioaccumulative potential	Does not bioaccumulate.
12.4 Mobility in soil	Sinks and mixes with water.
12.5 Other adverse effects	No information available.

SECTION 13: DISPOSAL CONSIDERATIONS

Product	The product does not exhibit any characteristics of a hazardous waste. Follow all applicable federal, state and local regulations for safe disposal.
Contaminated packaging	Do not reuse the container.

SECTION 14: TRANSPORT INFORMATION

DOT (US)	Not regulated as a hazardous material. No hazard class, label or placard required; no UN or NA number assigned.

SECTION 15: REGULATORY INFORMATION

OSHA HCS	Not classified as hazardous under 29 CFR 1910.1200.
TSCA	Listed (as magnesium sulfate).
Other inventories (per manufacturer)	Listed: Canada (DSL), EU EINECS 231-298-2, Japan (ENCS), China (IECSC), Korea (KECL), Philippines (PICCS), Australia (AICS).
SARA 313	Contains no chemicals subject to the reporting requirements.
SARA 311/312 hazard categories	Hazard not otherwise classified: ingestion may cause gastrointestinal upset.
CERCLA	Contains no substances regulated as hazardous substances under CERCLA or SARA 40 CFR 355. There may be state or local release reporting requirements.
California Proposition 65	The product does not require a Proposition 65 warning.
EPA pesticide registration	Not applicable.

SECTION 16: OTHER INFORMATION

Date of issue / last revision	11/02/2026
Version	1.0
Supersedes	**None (first issue)**
Prepared by	LA Ingredients, 853 Sandhill Avenue, Carson, CA 90746 | support@laingredients.com
Basis of this SDS	Manufacturer's safety data sheet for Epsom salt, magnesium sulfate USP, version 3, revision date 08/20/2020.

Hazard ratings (as given by the manufacturer)

NFPA 704	Health 1 | Flammability 0 | Instability 0
HMIS	Health 1 | Flammability 0 | Physical hazard 0 | Personal protection X

Key to abbreviations

CAS = Chemical Abstracts Service; GHS = Globally Harmonized System; OSHA HCS = OSHA Hazard Communication Standard; PEL = permissible exposure limit; TLV = threshold limit value; LD50 / LC50 / EC50 = median lethal dose / lethal concentration / effective concentration; LDLo = lowest published lethal dose; NOEC = no-observed-effect concentration; PBT / vPvB = persistent, bioaccumulative, toxic / very persistent, very bioaccumulative; DOT = US Department of Transportation; IMDG = International Maritime Dangerous Goods Code; IATA = International Air Transport Association; TSCA = Toxic Substances Control Act; SARA = Superfund Amendments and Reauthorization Act; CERCLA = Comprehensive Environmental Response, Compensation and Liability Act; STOT = specific target organ toxicity; HMIS = Hazardous Materials Identification System; NFPA = National Fire Protection Association; HNOC = hazard not otherwise classified; IARC = International Agency for Research on Cancer; NTP = National Toxicology Program; ACGIH = American Conference of Governmental Industrial Hygienists.

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