



# RV INTERNATIONAL

Essential Oils Manufacturer & Bulk Supplier in India

GST NO. 06BGIPG9360E1ZF

Address: Opposite Sudhanshu Maharaj Ashram, Shiv Mandir, Nimbri, Panipat, Haryana 132104

## MATERIAL SAFETY DATA SHEET (MSDS)

### SECTION 1.1 — PRODUCT IDENTIFICATION

**PRODUCT NAME:** EPSOM SALT

**BOTANICAL NAME:** Not Applicable (Mineral Salt)

**MOLECULAR FORMULA:** MgSO<sub>4</sub>.7H<sub>2</sub>O (Magnesium Sulfate Heptahydrate)

**MOLECULAR WEIGHT:** 246.47 g/mol

**CAS No.:** 7487-88-9

**IFRA COMPLIANT:** NOT APPLICABLE (MINERAL MATERIAL)

### SECTION 1.2 — COMPANY IDENTIFICATION

**Company Name:** RV International

**Address:** Shiv Mandir, Ujha Rd, Opposite Sudhanshu Aashram, Nimbri, Panipat, Haryana 132104

**Telephone:** +91 8937003005

**Email:** info@rvorganica.com

**Website:** www.rvorganica.com

### SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

Name	CAS #	HAZARDOUS STATEMENT
EPSOM SALT	7487-88-9	Not a hazardous substance

**HAZARDOUS CLASSIFICATION:** NOT A HAZARDOUS SUBSTANCE OR MIXTURE.

\*MINERAL / COSMETIC & PERSONAL CARE MATERIAL. Epsom Salt is a 100% natural mineral compound — Magnesium Sulfate Heptahydrate (MgSO<sub>4</sub>.7H<sub>2</sub>O). Widely used in bath soaks, body scrubs, spa treatments, agriculture and healthcare. Does NOT contain synthetic chemicals or controlled substances.

### SECTION 3: HAZARD IDENTIFICATION

The toxicological properties of this material have not been fully investigated.

**Eye Contact:** May cause mild irritation or abrasion due to particle nature. Avoid rubbing eyes.

**Skin Contact:** Generally non-irritating at normal use levels. Prolonged exposure may cause mild dryness.

**Inhalation:** Fine dust inhalation may cause mild respiratory irritation. Ensure good ventilation during processing.

**Ingestion:** Magnesium sulfate acts as an osmotic laxative in large doses. NOT FOR INTERNAL USE AS RAW MATERIAL without medical guidance.

### SECTION 4: FIRST AID MEASURES

**Eyes:** Flush immediately with plenty of clean water for 15 minutes. Seek medical attention if irritation persists.

**Skin:** Wash affected area with water. Generally self-limiting. Seek medical advice if rash develops.

**Ingestion:** If large quantities consumed, seek immediate medical advice. May cause diarrhoea/laxative effect.

**Inhalation:** Move to fresh air. Seek medical attention if breathing difficulty persists.



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## SECTION 5: FIRE AND EXPLOSION DATA

**Flash Point (Method Used):** Non-flammable (Inorganic mineral salt)

**Extinguishing Media:** Use media appropriate to surrounding fire. Epsom Salt is non-combustible.

**Unsuitable Media:** None

**Special Firefighting Procedures:** No special procedures required. Non-flammable and non-explosive.

**Unusual Fire & Explosion Hazards:** None known.

**Hazardous Decomposition Materials:** Above 1,124°C (decomposes to MgO and SO<sub>3</sub>). No hazardous decomposition under normal conditions.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**Personal Protection:** Wear dust mask and eye protection when cleaning up large spills to avoid dust inhalation.

**Methods for Cleaning Up:** Sweep or vacuum up carefully. Avoid generating dust. Collect in sealed containers.

- Small spills: sweep up and collect in bags for disposal or reuse.
- Large spills: avoid washing into drains in large quantities — may affect aquatic environment.

## SECTION 7: HANDLING AND STORAGE

**Safe Handling:** Avoid generating dust during processing. Keep dry at all times — Epsom Salt is hygroscopic.

**Storage Requirements:** Store in a cool, dry, well-ventilated area in airtight containers. Temp < 25°C, RH < 60%. Keep away from direct moisture, humidity, strong acids and alkalis.

## SECTION 8: EXPOSURE CONTROL / PERSONAL PROTECTION

**Threshold Limit Value:** Not established (mineral salt — no regulatory OEL)

**Work Practice Controls:** Personal hygiene is an important work practice exposure control measure.

- Avoid dust inhalation during grinding or processing.
- Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the toilet.
- Do not consume food or beverages in storage/processing areas.

**Respiratory:** Dust mask (FFP1 or equivalent) recommended during bulk processing or grinding.

**Ventilation:** Local exhaust ventilation recommended during grinding or processing operations.

**Eye:** Safety glasses recommended when processing or grinding.

**Skin:** Gloves recommended for prolonged handling.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** White Crystalline Powder / Granules

**Color:** White to Off-White

**Odor:** Odourless

**Molecular Formula:** MgSO<sub>4</sub>.7H<sub>2</sub>O

**Molecular Weight:** 246.47 g/mol

**Melting Point:** 48.3°C (dehydration begins); anhydrous MgSO<sub>4</sub> melts at 1,124°C

**Boiling Point:** Decomposes above 1,124°C

**Density @25°C:** 1.68 g/cm<sup>3</sup>

**pH (5% Solution):** 5.5 - 7.0



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**Moisture Content:**  $\leq 1.0\%$

**Solubility in Water:** 710 g/L at 20°C (freely soluble)

**Solubility in Alcohol:** Slightly soluble

**Flash Point:** Non-flammable

## SECTION 10: STABILITY AND REACTIVITY

**Stability:** Stable under normal storage conditions. May effloresce (lose water of crystallization) in warm, dry conditions.

**Incompatibility (Materials to Avoid):** Avoid contact with strong acids, strong alkalis, and oxidizing agents.

**Conditions to Avoid:** High humidity (causes clumping), excessive heat above 48°C (dehydration begins).

**Hazardous Decomposition By-products:** Above 1,124°C decomposes to MgO and SO<sub>3</sub>. No hazardous decomposition under normal conditions.

**Hazardous Polymerization:** Will Not Occur

## SECTION 11: TOXICOLOGICAL INFORMATION

**CAUTION:** Fine dust may cause eye and respiratory irritation. NOT FOR INTERNAL USE AS RAW MATERIAL WITHOUT MEDICAL GUIDANCE.

**Irritancy:** Fine dust may cause mild eye, skin or respiratory irritation with prolonged occupational exposure.

**Sensitization:** Not a known sensitizer.

**Health Hazards (Acute & Chronic):** Excessive ingestion acts as osmotic laxative and may cause hypermagnesemia in individuals with kidney disease.

**Harmful Contact:** Irritant

**Eye Contact:** Irritant

Note: Epsom Salt is widely used in bath soaks, body scrubs, cosmetics, agriculture and therapeutic applications. Individuals with kidney disease, heart disease or on magnesium-restricted diets should consult a doctor before use. Always conduct a patch test before use in cosmetic formulations. Do not use in bath soaks on broken, irritated or very sensitive skin without medical guidance.

## SECTION 12: ECOLOGICAL INFORMATION

**Toxicity:** Magnesium sulfate is generally of low toxicity to aquatic life at normal concentrations. Avoid large-scale disposal into waterways.

## SECTION 13: DISPOSAL CONSIDERATION

**Waste Disposal Methods:** Dispose of according to local, state and federal regulations. Do not pour down drains in large quantities.

## SECTION 14: OTHER REGULATORY INFORMATION

**IFRA Status:** Not applicable (mineral material)

**Controlled Substance Status:** This product does NOT contain any controlled substances.

**Hazards:** Irritant

**Risk Phrases:** Fine dust may irritate eyes and respiratory tract. Excessive ingestion may cause laxative effect.



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**Safety Phrases:** Keep dry. Avoid dust inhalation. Keep out of reach of children. Wear dust mask when grinding or processing in bulk.

## SECTION 16: ADDITIONAL INFORMATION

This information is provided for documentation purposes only.

The information contained in this Material Safety Data Sheet is obtained from current and reliable sources. The information contained herein is true and to the best of RV International's knowledge. Nothing herein should be interpreted as a recommendation to infringe existing patents or violate any laws or regulations.



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