



Dead Sea Bath Salts

IDENTIFICATION OF THE SUBSTANCE

Product Name Dead Sea Bath Salt
Type of Product and use Salts for bathtub, raw material in the cosmetic industry

HAZARDS IDENTIFICATION

Adverse human health effects May irritate eyes
Not classified as dangerous

COMPOSITION/INFORMATION ON INGREDIENTS

Composition	Weight %	EC No	EU Classification
Magnesium Chloride Hexahydrate 7791-18-6	31-35	2320946(anhydrous CAS 7786-30-3)	None
Other Salts	25-37	Not listed	None
Water of crystallization	32-40	231-791-2	None

FIRST AID

Contact with the eyes: Immediately flush with large amounts of water for at least 20 minutes. And then consult your doctor.

Contact with skin: Remove contaminated clothing and footwear. Wash well with water (if required consult a doctor)

If inhaled: Move the person afflicted to the fresh air. Let them blow the nose. If any problems occur contact a doctor.

Ingestion: Drink several glasses of water. If large quantity is ingested contact doctor. *Never give to an unconscious person

FIRE PROTECTION

Fire Fighting procedure In closed doors, provide fire-fighters with self-contained breathing apparatus in positive pressure mode

Unusual fire and explosion hazards When heated to decomposition, may release poisonous and corrosive fumes of HCl

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ACCIDENTAL RELEASE MEASURES

Personal precautionary measures: Wear appropriate protective gear for the situation.

Decontamination and cleaning methods: Sweep away and place into designated suitable package for waste disposal or re-use.

HANDLING AND STORAGE

Handling: Keep containers tightly closed.

Storage: Keep in dry well ventilated place away from incompatible materials (see materials to avoid)

EXPOSURE CONTROLS/PERSONAL PROTECTION

Components	ACGIH-TLV Data	OSHA (PEL) Data
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Magnesium Chloride Hexahydrate 7791-18-6	Not determined	Not determined
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Other Salts	Not determined	Not determined
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Water of crystallization 7732-18-5	Not determined	Not determined
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Ventilation requirements Good general ventilation.
Ventilation must be sufficient to maintain TLV-TWA below 3 mg/m³, respirable particles, and 10 mg/m³, inhalation particles (ACGIH recommendation for Particles (Insoluble or poorly soluble) Not otherwise specified (PNOS)).

Personal Protective Equipment

- **Respiratory** In case of significant or accidental dust emissions, dusk mask should be worn
- **Hand protection** Protective gloves
- **Eye protection** Chemical safety goggles
- **Skin/Body protection** Body covering clothes and boots

Hygiene measures Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or
Smoking. Safety shower and eye bath should be provided.

PHYSICAL AND CHEMICAL CHARACTERISTICS

Appearance	White odourless crystals
Melting point/range	>120°C
Flash point	Not-combustible
Solubility in water	60g/100g
Bulk density	1.03 (fine grade), 0.95 (coarse grade) kg/l
pH	8 @ 10% aqueous solution
Decomposition temp	>160°C

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STABILITY AND REACTIVITY

Stability	Stable under normal conditions
Materials to avoid	Oxidizing agents
Conditions to avoid	Exposure to moisture. Heating above decomposition temp
Hazardous decomposition	
Products	Oxides of: potassium, calcium, magnesium, sodium and HCl
Hazardous polymerization	Will not occur

TOXICOLOGICAL INFORMATION

Acute Toxicity:	
- Rat Oral LD50	8100 mg/kg (for MgCl ₂)
- Mouse oral LD50	7600 mg/kg (for MgCl ₂)
Mutagenicity	Not available
Carcinogenicity	Not classified by IARC
	Not included in NTP 11 th Report on Carcinogens

ECOLOGICAL INFORMATION

Information on ecological Effects	MgCl ₂ is a seawater component
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DISPOSAL CONSIDERATIONS

Waste Disposal	Observe all federal, state and local environmental regulations when disposing of this material.
Disposal of Packaging	Containers can be recycled after proper cleaning.

TRANSPORT INFORMATION

This product is not included in the listing of dangerous substances for transport by land, sea, inland water and air.

REGULATORY INFORMATION

EU	Anhydrous MgCl ₂ is reported EINECS
-Indication of danger	Not subject to labeling in accordance with EEC Directives.

USA	Reported in the EPA TSCA Inventory
Australia	Listed in AICS
Canada	Listed in DSL
China inventory	Listed
Japan	Listed in ENCS
New Zealand Inventory	Listed in NZIoC
Phillippines	Listed in PICCS

Important Note: The information contained in this document is given in good faith and is to the best of suppliers Knowledge correct at the date of publication, but it is for the users to satisfy themselves of the suitability of the product for their purposes.