



# 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

# Dead Sea Bath Salts

## 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
------------	----------------	-----------------

Magnesium Chloride Hexahydrate 7791-18-6	Not determined	Not determined
---	----------------	----------------

Other Salts	Not determined	Not determined
-------------	----------------	----------------

Water of crystallization 7732-18-5	Not determined	Not determined
---------------------------------------	----------------	----------------

**Ventilation requirements** Good general ventilation.  
Ventilation must be sufficient to maintain TLV-TWA below 3 mg/m<sup>3</sup>, respirable particles, and 10 mg/m<sup>3</sup>, 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
<b>Hygiene measures</b>	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

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

# Dead Sea Bath Salts

## STABILITY AND REACTIVITY

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

## TOXICOLOGICAL INFORMATION

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

## ECOLOGICAL INFORMATION

<b>Information on ecological Effects</b>	MgCl <sub>2</sub> is a seawater component
--	---

## DISPOSAL CONSIDERATIONS

<b>Waste Disposal</b>	Observe all federal, state and local environmental regulations when disposing of this material.
<b>Disposal of Packaging</b>	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

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

<b>USA</b>	Reported in the EPA TSCA Inventory
<b>Australia</b>	Listed in AICS
<b>Canada</b>	Listed in DSL
<b>China inventory</b>	Listed
<b>Japan</b>	Listed in ENCS
<b>New Zealand Inventory</b>	Listed in NZIoC
<b>Phillippines</b>	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.