

## SAFETY DATA SHEET

Outside the scope of Article 31 of Regulation (EC) No. 1907/2006

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<b>Product name</b>	<b>Dead Sea Bath Salt</b>	
<b>Product id</b>	8677	
<b>Revision date</b>	03/07/2012	<b>Revision: 4</b>
<b>Supersedes</b>	16/10/2011	

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### SECTION 1: Identification of the substance/mixture and of the company/undertaking

<b>1.1 Product identifier</b>	Dead Sea Bath Salt
<b>INCI Name</b>	Maris sal Sea salt extract
<b>Chemical formula</b>	Not applicable
<b>REACH Registration No.</b>	The substance must not be registered according to REACH, ANNEX V
<b>1.2. Relevant identified uses of the substance or mixture and uses advised against</b>	Salts for bathtub, raw material in the cosmetic industry
<b>1.3. Details of the supplier of the Safety Data Sheet</b>	ICL FERTILIZERS EUROPE C.V. FOSFAATWEG 48, 313 1013 BM Amsterdam, Netherlands Tel: 0031-(0)20-5815132 Fax: 0031-(0)20-6868328 e-mail: sluis@iclfertilizers.eu
<b>Emergency telephone number: - For Europe</b>	+31-205-815100

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

<b>Classification in accordance with Regulation (EC) No 1272/2008 [CLP/GHS]</b>	Not Classified
<b>Classification in accordance with Directive 67/548/EEC</b>	Not Classified

<b>2.2. Label elements</b>	Not subject to labelling in accordance with Regulation (EC) No. 1272/2008 (CLP)
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<b>2.3. Other hazards</b>	None
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## SECTION 3: Composition/information on ingredients

Components	Weight %	Index No.	EC No.	EU Classification
Magnesium Chloride Hexahydrate 7791-18-6	31-35		2320946 (anhydrous CAS 7786-30-3)	None
Potassium chloride 7447-40-7	23-30		231-211-8	None
Water of crystallization 7732-18-5	32-40		231-791-2	None

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

**Eye contact** Holding the eyelids apart, flush eyes promptly with copious flowing water for at least 20 minutes. Get medical attention if irritation persists.

**Skin contact** Wash with water in case of irritation. Get medical attention if irritation occurs and persists.

**Inhalation** In case of dust inhalation or breathing fumes released from heated material, remove person to fresh air. Keep him quiet and warm. Apply artificial respiration if necessary and get medical attention immediately.

**Ingestion** If swallowed, wash mouth thoroughly with plenty of water. Get medical attention immediately

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NOTE: Never give an unconscious person anything to drink  
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### 4.2. Most important symptoms and effects, both acute and delayed

None known

**4.3. Indication of any immediate medical attention and special treatment needed** In case of ingestion, the salt level in blood must be determined. Treat symptomatically and supportively.

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## SECTION 5: Fire-fighting measures

- 5.1. Extinguishing media** Material is not combustible. Use extinguishing media appropriate to surrounding fire conditions.
- 5.2 Special hazards arising from the substance or mixture** When heated to decomposition, may release poisonous and corrosive fumes of HCl
- 5.3. Advice for fire-fighters** In closed stores, provide fire-fighters with self-contained breathing apparatus in positive pressure mode

## SECTION 6: Accidental release measures

- 6.1. Personal precautions, protective equipment and emergency procedures** Wear protective clothing specified for normal operations (see Section 8).
- 6.2. Environmental precautions** Avoid access to streams, lakes or ponds.
- 6.3. Methods and materials for containment and cleaning up** Sweep up, place in a bag and hold for waste disposal or possible re-use
- 6.4 Reference to other sections** None

## SECTION 7: Handling and storage

- 7.1. Precautions for safe handling** Keep containers tightly closed.
- 7.2. Conditions for safe storage, including any incompatibilities** Keep in a dry, well-ventilated place away from incompatible materials (see Section 10).
- 7.3. Specific end use(s)** No specific requirements

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## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Components	Weight %	ACGIH-TLV Data	UK (WEL) - TWA	Germany MAK (TRGS 900) data
Magnesium Chloride Hexahydrate 7791-18-6	31-35	Not determined	Not determined	Not determined
Potassium chloride 7447-40-7	23-30	Not determined	Not determined	Not determined
Water of crystallization 7732-18-5	32-40	Not determined	Not determined	Not determined

### 8.2. Exposure controls

#### 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>, inhalable particles (ACGIH recommendation for Particles (Insoluble or poorly soluble) Not Otherwise Specified (PNOS)).

#### Personal protective equipment:

- Respiratory protection In case of significant or accidental dust emissions, dust mask should be worn
- Hand protection Protective gloves
- Eye protection Chemical safety goggles
- Skin and 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.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Appearance White crystals  
pH 8 @ 10% aqueous solution  
Melting point/range >120°C  
Boiling point/range Not applicable  
Vapour pressure Not available  
Flash point Non-combustible  
Auto-ignition temperature Not applicable  
Density Not applicable  
Bulk density 1.03 (fine grade), 0.95 (coarse grade) kg/l  
Solubility:  
- Solubility in water 60g/100g  
Decomposition temperature >160°C

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## SECTION 10: Stability and reactivity

<b>10.1 Reactivity</b>	Stable under normal conditions
<b>10.2 Chemical stability</b>	Stable under normal conditions
<b>10.3 Possibility of hazardous reactions</b>	Not expected to occur
<b>10.4 Conditions to avoid</b>	Exposure to moisture Heating above decomposition temperature
<b>10.5 Incompatible materials</b>	oxidizing agents
<b>10.6 Hazardous decomposition products</b>	Oxides of: potassium, calcium, magnesium, sodium and HCl

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity:

- Rat oral LD50	8100 mg/kg (for MgCl <sub>2</sub> )
- Mouse oral LD50	7600 mg/kg (for MgCl <sub>2</sub> )

**Mutagenicity** Not available

**Carcinogenicity** Not classified by IARC Not included in NTP 12th Report on Carcinogens

## SECTION 12: Ecological information

### 12.1 Toxicity

MgCl<sub>2</sub> is a seawater component

**12.2 Persistence and degradability** Not relevant for inorganic salts

**12.3 Bioaccumulative potential** Not expected to bioaccumulate

**12.4 Mobility in soil** Not relevant for inorganic salts

**12.5 Results of PBT and vPvB assessment** Not considered to be PBT or vPvB

**12.6 Other adverse effects** None known

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

<b>Waste disposal</b>	Dispose of in a safe manner in accordance with local/national regulations.
<b>Disposal of Packaging</b>	Containers can be recycled after proper cleaning.

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## SECTION 14: Transport information

<b>ADR/RID</b>	Not regulated
<b>IMDG</b>	Not regulated
<b>ICAO/IATA</b>	Not regulated

## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

<b>EU</b>	Anhydrous MgCl <sub>2</sub> is reported EINECS
<b>USA</b>	Anhydrous MgCl <sub>2</sub> is reported in the EPA TSCA Inventory.
<b>Australia</b>	Listed in AICS (MgCl <sub>2</sub> )
<b>Canada</b>	Listed in DSL (MgCl <sub>2</sub> )
<b>CHINA</b> <b>- China inventory</b>	Listed in IECSC (MgCl <sub>2</sub> )
<b>Japan</b>	ENCS no. (1)-233 ISHL no. (1)-233 (MgCl <sub>2</sub> )
<b>Korea</b>	Listed in the Korea Existing Chemicals Inventory (KECI), number KE-22691 (MgCl <sub>2</sub> )
<b>New Zealand Inventory</b>	Listed in NZIoC (MgCl <sub>2</sub> )
<b>Philippines</b>	Listed in PICCS (MgCl <sub>2</sub> )
<b>15.2 Chemical Safety Assessment</b>	A full CSA is not performed, since the substance is not considered Dangerous, nor is it a PBT-vPvB,

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## SECTION 16: Other information

**Note:**

All sections reformatted in accordance with REACH Annex II revision

**This data sheet contains changes from the previous version in section(s)**

1 (REACH), 3, 15

The information herein is based on the present state of our knowledge. It is believed to be correct but is not necessarily all-inclusive and shall be used only as a guide. ICL FERTILIZERS EUROPE C.V., shall not be held liable for any damage resulting from handling or from contact with the above product. For further information, contact ICL FERTILIZERS EUROPE C.V.

*In an event of discrepancy between the contents of this MSDS and the English version of it, the English version shall prevail.*

**Prepared by**

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**End of safety data sheet**