

MATERIAL SAFETY DATA SHEET

Product name **Sodium Chloride**
Product id 2260DSW
Revision date 16/10/2011 **Revision: 2**
Supersedes 12/06/2007

1. Identification of the substance & the company

Chemical name Sodium Chloride
Chemical formula NaCl
Molecular weight 58.45
Type of product and use Food industry, conserves, animal feed
Company Dead Sea Work Ltd
P.O.B. 75 Beer Sheva 84100, Israel
Tel: +972-8-6465347
Fax: +972-8-6280533
www.dsosalts.com

Emergency telephone number: 972-8-9977577

2. Hazards identification

Adverse human health effects None under recommended use instructions

NFPA Ratings (Scale 0-4) Health = 1, Fire = 0, Reactivity = 0

3. Composition / information on ingredients

Components	Weight %	Index No.	EC No.	EU Classification
Sodium Chloride 7647-14-5	98-100		231-598-3	None

4. First-aid measures

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

Skin contact Remove contaminated clothing. Wash skin thoroughly with mild soap and plenty of water for at least 15 minutes. Wash clothing before re-use.
Get medical attention if irritation occurs.



MATERIAL SAFETY DATA SHEET

Product name	Sodium Chloride	
Product id	2260DSW	
Revision date	16/10/2011	Revision: 2
Supersedes	12/06/2007	

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 and give water to drink. Get medical attention immediately.

NOTE: Never give an unconscious person anything to drink.

Notes to the physician In case of ingestion, the salt level in blood must be determined. Treat symptomatically and supportively.

5. Fire - fighting measures

Suitable extinguishing media Material is not combustible. Use extinguishing media appropriate to surrounding fire conditions.

Fire fighting procedure In closed stores, 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 Na₂O and HCl

6. Accidental release measures

Personal precautions Wear protective clothing specified for normal operations (see section 8).

Methods for cleaning up Sweep up, place in a bag and hold for waste disposal or possible re-use

7. Handling and storage

Handling Keep containers tightly closed.

Storage Store in a dry area away from incompatible materials (see "materials to avoid").



MATERIAL SAFETY DATA SHEET

Product name	Sodium Chloride	
Product id	2260DSW	
Revision date	16/10/2011	Revision: 2
Supersedes	12/06/2007	

8. Exposure controls / personal protection

Exposure Limits :

Components	ACGIH-TLV Data	OSHA (PEL) Data
Sodium Chloride 7647-14-5	Not determined	Not determined

Ventilation requirements

Ventilation must be sufficient to maintain TLV-TWA below 3 mg/m³, respirable particles, and 10 mg/m³, 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.

9. Physical and chemical properties

Appearance	White crystals
Odour	None
Boiling point/range	1465°C
Melting point/range	801°C
Flash point	Not applicable
Flammable/Explosion limits	Not flammable
Vapour pressure	1 mmHg (865°C)
Evaporation rate (ether=1)	Not applicable under standard conditions
Vapor density	Not applicable under standard conditions
Solubility:	
- Solubility in water	Soluble
- Solubility in other solvents	Slightly soluble in alcohol
Density	2.165 g/cm ³ (25°C)
pH	6.7 to 7.3



MATERIAL SAFETY DATA SHEET

Product name	Sodium Chloride	
Product id	2260DSW	
Revision date	16/10/2011	Revision: 2
Supersedes	12/06/2007	

10. Stability and reactivity

Stability	Stable under normal conditions
Materials to avoid	Alkline products. oxidizing agents
Hazardous decomposition products	HCl, NOx
Hazardous polymerization	Will not occur

11. Toxicological information

Acute toxicity:	
- Rat oral LD50	3000 mg/kg
- Rabbit dermal LD50	10000 mg/kg
- Rat inhalation LC50	42000 mg/m ³ (60 minutes)
Effects of overexposure:	Irritant to eyes Not irritant to intact skin. Irritant to abraded or wounded skin
Mutagenicity	No data available
Carcinogenicity	Not classified by IARC Not included in NTP 11th Report on Carcinogens

12. Ecological information

Information on ecological effects	NaCl is a seawater component
-----------------------------------	------------------------------

13. Disposal considerations

Waste disposal	Observe all federal, state and local environmental regulations when disposing of this material.
----------------	---

14. Transportation information

IMO	Not regulated
ICAO/IATA	Not regulated



MATERIAL SAFETY DATA SHEET

Product name	Sodium Chloride	
Product id	2260DSW	
Revision date	16/10/2011	Revision: 2
Supersedes	12/06/2007	

15. Regulatory information

EU	Reported in EINECS
- Indication of danger	Not subject to labelling in accordance with EEC Directives.
USA	Reported in the EPA TSCA Inventory.
Australia	Listed in AICS
Canada	Listed in DSL
China inventory	Listed in IECSC
Japan	Listed in ENCS
Korea	Listed
New Zealand Inventory	Listed in NZIoC
Philippines	Listed in PICCS

16. Other information

This data sheet contains changes from the previous version in section(s)
5, 9, 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.

DEAD SEA WORKS Ltd, shall not be held liable for any damage resulting from handling or from contact with the above product. For further information, contact DEAD SEA WORKS Ltd.

Prepared by HERA Division in ISRAEL
telephone: +/972-8-6297835
telefax: +/972-8-6297832
www.icl-ip.com
e-mail:msdsinfo@icl-ip.com
End of safety data sheet

