

Serviços de SSQ&A	Safety Data Sheat	 BONDALTI <small>QUÍMICA E MINÉRIAS</small>
FS0002R01	QUALITY	
1/7	Rock Salt Safety Data Sheat	

1 – PRODUCT AND COMPANY IDENTIFICATION

1.1. Product identification

Product Name: Rock Salt

Chemical Composition: NaCl (Sodium Chloride)

CAS ID: 7647-14-5

EINECS ID: 231-598-3

1.2. Product Applications

Animal Feed, Agriculture, Road De-icing, Fertilizers and electrical works.

1.3. Company Identification

Producer and Supplier: Bondalti Chemicals SA – Mining Department

Rua Quinta de Betunes, nº27 r/c

8100-616 Loulé

Telf: 00 (351) 289 416 343 Fax: 00 (351) 289 416 345

Email: clona.rocksalt@mail.telepac.pt

Other Supplier: Quimitecnica.com – Comércio e Indústria Química S.A.

Rua 35, nº27A–Parque Empresarial do Barreiro Caixa Postal 5106

2831-904 Barreiro

Telf: 00 (351) 212 069 100 Fax: 00 (351) 212 069 196

Email: quimitecnica.com@quimitecnica.pt

1.4. Emergency Contacts

Bondalti Chemicals SA – Mining Department:

00 (351) 289 416 343

QuimiTécnica.com:

00 (351) 212 069 100

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Anti-Venom Centre:

00 (351) 808 250 143

INEM (National Emergency Number):

112

2 – AZZARDS IDENTIFICATIONS

In normal conditions, the utilization of rock-salt does not cause any hazards.

3 – FIRST AID'S

3.1. Eye Contact

In case of eye contact, wash ride away with water, with the eyes wide open.

Contact the doctor in case of eye irritation.

3.2. Skin Contact

Wash with water.

3.3. Ingestion

In case of ingestion of rock-salt in high quantity, it's probably to occur vomiting.

Wash the mouth and drink a lot of water.

Contact the closer hospital in case of continuing vomiting.

3.4. Dust Inhalation

Go to a ventilated place and rest in seat position.

Contact the closer hospital in case of continuing trouble breading.

4 – FIRE FITHING MESURES

4.1. Recommend Equipment

The product it's not inflammable.

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4.2. Protection Equipment

Respiration mask and normal equipment for fire fitting.

5 – MEASURES IN CASE OF ACCIDENTAL LEAK

5.1. Personal Precautions

Use the standard protection equipment. (See point 7)

5.2. Environmental Precautions

It's not expected environmental damages.

5.3. Cleaning Methods

Collect all the material and wash with plenty of water.

6 – HANDLING AND STORAGE

6.1. Handling

Prevent dust dissipation.

6.2. Storage

Storage the material in a dry and fresh facility, with accumulation of moisture.

7 – EXPOSURE CONTROL / PERSONAL PROTECTION

7.1. Exposure Limit

There is no defining value of exposure.

For rock-salt dust, o exposure value is (8h/day) 10mg/m³.

7.2. Respiratory Protection

In case of dust and pour ventilation it's recommend the use of mask with dust filter.

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7.3. Hands Protection

In case of long term exposure, it's recommended to use gloves.

7.4. Eye Protection

Use goggles if necessary.

7.5. Collective protection

Eye Wash Equipment.

7.5. Hygiene Measures

Don't eat, drink or smoke during handling rock-salt.

Always take a shower after handling rock-salt.

7.6. Environmental Protection

Respect the regulations about water effluents (DL 236/98).

8 – PHYSICAL AND CHEMICAL PROPERTIES

8.1. Physical Properties

Aspect: Granny in pink colour

Smell: Odourless

Fusion Temp.: 802°C

Ebullition Temp.: 1413°C

Solubility: In water about 20°C: 333 g/l

Density (20°C): 1.18-1.22 g/cm³

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8.2. Chemical Properties

Elements	Unit	Results
Ca	%	0,98
Mg	%	0,02
SO ₄	%	2,13
Sr	mg/kg	105,80
Ba	mg/kg	3,40
Ni	mg/kg	< 0,62
Fe	mg/kg	2,00
Mn	mg/kg	1,60
Al	mg/kg	< 0,75
SiO ₂	mg/kg	18,80
Iodine	mg/kg	0,40
CaSO ₄	%	3,02
MgCl ₂	%	0,09
CaCl ₂	%	0,24
NaCl	%	95
H ₂ O	%	< 0,4

9 – STABILITY E REACTIVITY

9.1. Stability

Stable in the storage conditions recommended. (See point 6)

9.2. Avoid

In contact with strong acids, rock salt can react and form hydrogen chloride. It may cause violent reactions in contact with lithium and bromine trifluoride.

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10 – TOXIC INFORMATION

10.1. High Toxicity

DL₅₀ (oral, mouse): 3000 mg/kg

DL₅₀ (skin, rabbit): > 10000 mg/Kg

10.2. Health Information

Eye Contact: It may cause ocular irritation.

Skin Contact: Rock-salt could dry the skin and cause irritation.

Ingestion: The ingestion of high quantities could cause vomiting. The saline imbalance could cause inflammations in the stomach and intestines.

Dust Inhalation: It may cause small irritations and some cough.

11 – ECOLOGICAL INFORMATION

11.1. Ecotoxicity

CL₅₀ (Fish: Carassius auratus) / 96 hours: 7341 mg/L

CE₅₀ (Daphnia Magna) / 24 hours: 3142 mg/L

11.2. Mobility

Absorption/desorption: It presents easy dispersion through the air, forming dust. His high solubility in water gives him great mobility.

11.3. Persistence and degradability

Rock-salt dissociates immediately in plain water.

11.4. Bioaccumulation appearance

Not apply.

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12 – ELIMINATION QUESTIONS

The waste that results from the application of rock-salt, should be treated by the legal regulations.

13 – TRANSPORT INFORMATIONS

Not applied.

14 – REGULATIONS INFORMATIONS

14.1. Labelling

Portuguese Laws: Portaria 732-A/96, DL 330-A/2000, DL 222/2001, DL 154-A/2002.

14.2. Classification

Not classified.

14.3. Risks

Not applied.

14.4. Security Phrases

Not applied.

15 – OTHER INFORMATIONS

Security Data Sheet by Directiva 2001/58/EC

All the information's from the data sheet are based in the actual knowledge.

This company doesn't accept any responsibility for the use of this information's.

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