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Safety data sheet 14/09/2012 Rev. 0002

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### 1. Product and Society identification

Denomination: **DIATHONITE EVOLUTION**

Product type and use: Premixed

Producer: Diasen s.r.l.

Z.ind.le Berbentina, 5

60041 Sassoferrato An – Italia

Emergency telephone number of the company and / or an authorized consultation:

Diasen s.r.l. Tel. 0732/9718

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### 2. Ingredients composition/information

Dangerous substances for health under Directive 67/548/CEE and following adjustments or existent exposition restriction and classification:

calcium hydroxide (Ca(OH)<sub>2</sub>)

CAS: 1305-62-0 EINECS: 215-137-3

Xi R41

potassium hydroxide

CAS: 1310-58-3 EINECS: 215-181-3

C R35

sodium hydroxide

CAS: 1310-73-2 EINECS: 215-185-5

C R35

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### 3. Dangers identification

The powder can be irritating to respiratory system, mucous membranes, eyes and skin in case of prolonged contact.

The compound and its mixtures do not present special risks for the environment, without prejudice to the respect of the content in sections 6, 8, 12 and 13 of this sheet.

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### 4. Medical aid intervention

Inhalation: Air the room.

Immediately take away the patient from the contaminated premises and let him rest in a well ventilated area.

In case of discomfort see a doctor, showing this safety data sheet.

Skin contact: Wash immediately with abundant water and soap the body parts that have come in contact with the product, even if only suspected.

	If you see redness or persistent irritation seek medical advice, showing this safety data sheet.
Eyes contact:	Wash with abundant water keeping eyelids open for at least 10 minutes, then protect with a sterile gauze or a clean tissue.
	See a doctor, showing this safety data sheet.
Ingestion:	Clean the mouth with abundant water.
	Consult a doctor, showing this safety data sheet.

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## 5. Fire measure

The product is not flammable.

Forbidden fire extinguisher: none in particular.

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## 6. Measure in case of accidental dispersion

Personal precautions: Use mask, gloves and protective clothing.

Environmental precautions: Suck up the product as soon as possible. If the spill occurred indoors ventilate the room. Do not pour the product into sewers and water courses.

Cleaning measure: Collect the product in suitable containers without causing further losses.

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## 7. Handling and storage

Handling: Avoid skin and eyes contact and do not breathe powders.

If necessary, wear personal protective equipment for respiratory system, hands, eyes and skin (see paragraph 8).

Incompatible materials: Keep away from water and humid environments.

Storage: Store the product in well ventilated and dry premises, out of reach of children, away from acids, in suitable closed containers (silos and bags), avoiding the spread of dust.

If stored on site it must be protected by sun, ice and water and kept at temperatures between +5°C and +30°C.

Rooms indications: Well ventilated and dry premises, at temperatures between +5°C and +30°C.

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## 8. Personal protection/exposure control

Respiratory protection: Anti-dust mask.

Hand protection: Use protective gloves.

Eyes protection: Use safety glasses.

Skin protection: Wear normal working clothes.

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## 9. Physical and chemical property

Aspect: Powder

Colour: Grey

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Smell: Typical  
Specific weight: 360 ( $\pm 10\%$ ) kg/m<sup>3</sup>  
Flammability: Not flammable

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### 10. Stability and reactivity

Stable in normal conditions.

Store in closed containers in a cool dry place, well protected by sun, ice and water and kept at temperatures between +5°C and +30°C.

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### 11. Toxicological information

The product is not toxic.

Penetration ways:

Ingestion: yes

Inhalation: yes

Contact: no

Corrosivity/irritating power:

Skin: Prolonged contact may cause irritation and sensitization.

Eyes: Direct contact can cause serious damage to eyes.

Carcinogenicity: no effects are shown

Mutagenesis: no effects are shown

Teratogenicity: no effects are shown

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### 12. Ecological information

The product does not present problems for the environment.

Use according to good working practices, avoid dispersion into the environment.

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### 13. Disposal

Dumping into sewers or waterways is prohibited. Waste and empty containers must be handled and eliminated according to current, local/national legislation.

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### 14. Transport information

Number UN: --  
Railway/road RID/ADR: No dangerous good  
Sea IMO/IMDG: No dangerous good  
MAR/POL 73/78, annex III: No  
Air transport (ICAO/IATA):  
No dangerous good

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### 15. Regulations information

Directive CE/99/45 (Classification and Labeling):

Symbols:	Xi Irritant
R-phrases:	R41 Risk of serious damage to eyes
S-phrases:	S26 In case of eye contact, rinse immediately with plenty of water and seek medical advice. S39 Wear eye / face protection.

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## 16. Further information

Main bibliography:	NIOSH – Registry of toxic effects of chemical substances (1983) National Institute of Health - Material Safety Data Sheets of organic solvents used in industrial technological processes (1985) National Institute of Health - National inventory of chemical substances  ECDIN – Environmental chemicals data and information network – Joint research centre, Commission of the European Communities ACGIH – Threshold limit values (2000) SAX'S – Dangerous properties of industrial materials – tenth edition
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The information enclosed therein are based on our knowledge at the above date. They are only reported to the indicated product and they do not constitute guarantee of special qualities. The user must make sure of these information suitability and completeness in relation to the specific use he has to do. This schedule revokes and replaces any previous edition.