



## Security Data File EC



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Security Data following the Directives 1907/2006/EC, 453/2010/EC

**Trade Mark: “CRISTADUR” CRYSTALLIZER EXTRA HARD**

**Nº of product:** 19      **Version:** 6      **Date:** 1- 6 - 2013      **Page:** 1 (8)

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### 1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY

#### 1.1 Product Identification:

“CRISTADUR” CRYSTALLIZE EXTRA HARD

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Crystallizer of stone surfaces. For professional use only.

#### 1.3 Details of the supplier of the safety data sheet:

ABRAPAL, S.L.  
C.I.F. B-47370358  
C/ Oro, nº 2  
47012 VALLADOLID  
Tel. +34 983 391689  
Fax. +34 983 397405  
e-mail: [info@comercial-lozano.com](mailto:info@comercial-lozano.com)  
web: [www.productosleopard.com](http://www.productosleopard.com)

#### 1.4 Emergency Telpehones:

+34 91 5620420 Instituto Nacional de Toxicología (Spanish)

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### 2. DANGERS IDENTIFICATION

#### 2.1 Classification:

##### **Directive 67/548/CE y Directive 1999/45/CE:**

This product was classified in accordance with R.D. 363/1995 (Directive 67/548/CE) and R.D.255/2003 (Directive 1999/45/CE), adapting the requirements to Regulation (EC) nº1907/2006 (REACH regulation). According to R.D. 1802/2008.  
T: R25- Toxic if swallowed

##### **CLP Regulation (EC) nº 1272/2008**

Classification of this product has been carried out in accordance with CLP Regulation (EC) nº 1272/2008.  
Acute oral toxicity, category 3

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### 2.2 Label elements

#### **Directive 67/548/EC and Directive 1999/45/EC:**

In accordance with the legislation, the elements on the label are as follows:



#### **Toxic**

##### **R Phrases:**

R-25 Toxic if swallowed

##### **S Phrases:**

S (1-2) Keep locked up and out of the reach of children.

S-24 Avoid contact with skin.

S-25 Avoid contact with eyes.

S-45 In case of accident or if you feel unwell seek medical advice immediately (show the label where possible)

##### **Substances that contribute to the classification:**

Magnesium hexafluorosilicate.

#### **CLP Regulation (EC) n° 1272/2008.**



##### **Hazard indications:**

H-301

##### **Cautionary advice:**

P-264 Wash thoroughly after use.

P-270 Do not eat, drink or smoke when using this product.

P-330 Rinse mouth.

P-301+P310 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

P-405 Keep under lock and key.

P-501 Dispose of the container/receptacle in accordance with the current legislation on waste treatment.

##### **Substances that contribute to the classification:**

Magnesium hexafluorosilicate.

### 2.3 Other hazards

It is not considered as PBT or vPvB substance



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### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Components:

In accordance with Annex II of Regulation (EC) n°1907/2006 (point 3), the product contains:

| Identification                   | Chemical name/Classification        |                                                        | Concentration |  |
|----------------------------------|-------------------------------------|--------------------------------------------------------|---------------|--|
| CAS: 18972-56-0<br>EC: 241-022-2 | <b>Magnesium Hexafluorosilicate</b> |                                                        | 25-50 %       |  |
|                                  | Directive 67/548/EC                 | T: R25                                                 |               |  |
|                                  | Regulation 1272/2008                | Acute Tox 3 H301<br>P264 P270 P330 P301+P310 P405 P501 |               |  |

### 4. FIRST AIDS

#### 4.1 Description of the first aids

##### In case of swallowing:

The swallowing of small quantities can cause sudden and grave hypocalcaemia. In case of intoxication or accident go to a Hospital.

##### In case of contact with skin:

Take off the wet clothes and wash the area with water and soap.

##### In case of contact with eyes:

Was with water during about 15 minutes with the eyes open. Contact an optician if necessary.

#### 4.2 Most important symptoms and effects, both acute and delayed:

No symptoms or delayed effects.

#### 4.3 Indication of any immediate medical attention and special treatment needed:

Call immediately to a Emergency number.

### 5. FIRE PREVENTION

#### 5.1 Extinction measures:

Atomized water, foam, carbon dioxide, extinguisher powder.

#### 5.2 Specific risks produced by the substance:

CO and SO<sub>2</sub>, carbon monoxide and sulphur dioxide.

#### 5.3 Advice for firefighters:

Move the containers to a zone which provides security.

In works of extinguishing it may be necessary to use full protective clothing and individual respiratory equipment.



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### 6. MEASURES IN CASE OF ACCIDENTAL SPREAD

**6.1 Personal precautions, protective equipment and emergency procedures:**

Personal protection equipment must be used against potential contact with the spilt product (See epigraph 8)

Evacuate the area and keep out those who do not have protection.

**6.2 Protective rules of the environment:**

Avoid spreading it in the drains or in a water flow.

**6.3 Methods and cleaning measures:**

Pick up the spill with an absorbent material (sawdust, sand...) and wash the rests with abundant water.

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### 7. HANDLING AND STORAGE

**7.1 Precautions for safe manipulation:**

Handle in a ventilated place and in room temperature. Control spills and residues

**7.2 Conditions for a safe storage, including possible incompatibilities**

Storage in the original containers, perfectly closed and distance them from heat sources.

Avoid heat sources and the direct contact with food.

**7.3 Specific final uses**

It is not necessary any special recommendation.

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### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**8.1 Control parameters:**

There are no environmental limits for the substances contained in the mixture.

**8.2 Exposure controls:**

As a preventative measure it is recommended to use basic individual protection equipment, with the corresponding "CE marking".

A) Ocular and facial protection: Panoramic glasses against liquid splash.

B) Protection for the skin: Work clothing and anti-slip work shoes.

C) Protection for the hands: Chemical protective gloves.

D) Protección respiratoria: No es necesaria ya que el producto no tiene compuestos orgánicos volátiles.

**8.3 Environmental exposure controls**

Avoid environmental spillage of both the product and its container.

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## 9. PHYSICAL AND CHEMICAL CHARACTERISTICS

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

**Aspect:**

**Shape:** Liquid.  
**Colour:** Greyish white.  
**Smell:** Slightly like citric.

**Density:** 1,150 aprox. at 20° C.

**Solubility:** Soluble in water.

**pH Valour:** 2,5 aprox. at 20° C

**Flammability:** Any

### 9.2 Additional information

After some time, in hot climates, the shade of the color could vary.

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## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity:

No hazardous reactions are expected if the following technical instructions storage of chemicals. See section 7.

### 10.2 Chemical stability:

Chemically stable under the conditions of storage, handling and use.

### 10.3 Possibility of hazardous reactions:

No hazardous reactions are expected if the following technical instructions storage of chemicals. See section 7.

### 10.4 Conditions to avoid:

Keep it distanced from hot sources.

### 10.5 Incompatible materials:

Unknown.

### 10.6 Hazardous decomposition products:

In conditions of extreme decomposition can be liberated chemical substances: CO and SO<sub>2</sub>, carbon monoxide and sulphur dioxide.

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## 11. TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects:

No experimental information is available on the mixture itself in relation to the toxicological properties. When performing the danger classification on corrosive or irritant effects the recommendations included in section 3.2.5 of Annex VI of Directive 67/548/CE, in paragraphs b) and c) of section 3 of article 6 of Directive 1999/45/CE and in section 3.2.3.3.5. of Annex I of CLP.

- a) Ingestion: May cause gastrointestinal irritation and subsequent fluoride poisoning can be fatal.  
Oral – (Guinea Pig)  $LDL_{50}$  200 mg/Kg.
- b) Contact with skin and eyes: Possible irritation, prolonged or repeated contact can cause ulcers. No experimental data records found.
- c) Sensitiveness: Sensitiveness to the existence of fluoride ion is unlikely.
- d) Carcinogenicity: no evidence of an association between cancer and exposure to inorganic fluorides exists (IARC).
- e) Mutagenicity: It is not considered mutagenic.
- f) Toxic to reproduction: It is not toxic to reproduction.
- g) Specific target organ toxicity (STOT)- one time exposure: The criteria of classification are not obeyed.
- h) Specific target organ toxicity (STOT)-repeated exposure: The criteria of classification are not obeyed.
- i) Aspiration hazard: The product is not classified as dangerous for this effect.

## 12. ECOLOGICAL INFORMATION

### 12.1 Toxicity:

The product has a potential bioaccumulation in aquatic organisms.  
Toxic effect in fishes, plankton, plants and forage.

### 12.2 Persistence and degradability:

Not available.

### 12.3 Bioaccumulative potential:

The product has a potential bioaccumulation in aquatic organisms.

### 12.4 Mobility in soil:

Low mobility in the ground. The natural alkalinity of the ground will disperse slowly the acidity. If the  $pH > 6,5$  the ground will tie strongly the fluorides. The high levels of calcium will also immobilize the fluorides.

### 12.5 Results of PBT and vPvB assessment:

It is not considered a PBT or vPvB substance.

### 12.6 Other adverse effects: Not described.



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### 13. ELIMINATION OF RESIDUES

#### 13.1 Waste management

The residue of the product is considered dangerous following the 2008/98/CE in spite of being included in the European list of residues.

**The management of the residue (elimination and valuation)** Consult an authorized manager of residues the operations of valuation and elimination according to the Directive 2008/98/EC

**Other informations** Before the elimination of the product the national regulations have to be consulted.

### 14. TRANSPORT INFORMATION

#### Transport of dangerous goods by land:



N° ONU: UN3287 TOXIC LIQUID, INORGANIC, N.O.S.

(Magnesium hexafluorosilicate)

Number of risk identification: 60

Transport Label: 6.1

Packing Group: III

ADR/AID Class 6.1 - 64 c

#### Transport of dangerous goods by sea:



N° ONU: UN3287 TOXIC LIQUID, INORGANIC, N.O.S.

(Magnesium hexafluorosilicate)

Number of risk identification: 60

Transport Label: 6.1

Packing Group: III

ADR/AID Class 6.1 - 64 c

#### Transport of dangerous goods by air:



N° ONU: UN3287 TOXIC LIQUID, INORGANIC, N.O.S.

(Magnesium hexafluorosilicate)

Number of risk identification: 60

Transport Label: 6.1

Packing Group: III

ADR/AID Class 6.1 - 64 c



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### 15. REGULATORY INFORMATION

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

**Labeled according to the EC directives:**

**Symbols of danger:**

T- Toxic

**Dangerous determinant components for the labeling:**

Magnesium hexafluorosilicate

**R phrases:**

R-25 Toxi if swallowed

**S phrases:**

S (1-2) Keep locked up and out of the reach of children.

S-24 Avoid contact with skin.

S-25 Avoid contact with eyes.

S-45 In case of accident or if you feel unwell seek medical advice immediately  
(show the label where possible)

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### 16. OTHER INFORMATION

This Material Safety Data Sheet has been created base on the Regulation 453/2010 of the Commission of 20th May 2010 for the elaboration of Material Safety Data Sheet, for this reason the Regulation (EC) 1907/2006 of the European Parliament and the Council is modified, relating to the register, the evaluation, the authorization and the restriction of the chemical substances and preparations (REACH)

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**WARNING:** The information is reliable as far as we know. We do not assume any responsibility due to legal mistakes, misunderstandings or facts. Any information here related should be checked before using the product in a particular case. ABRAPAL, S.L. (COMERCIAL LOZANO) does not assume any responsibility due to damages caused by the confidence in this data

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