

**Safety Data Sheet**  
**According to EC Directive 91/155/EC and following amendments**

Date of issue: 23 February 2007.

**SECTION 1 - IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY****Product name:**

- Calcium Sulfate

**Application:**

- For chemical analysis.

**Manufacturer identification:**

Hanna Instruments Italia s.r.l.  
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**SECTION 2 – COMPOSITION/INFORMATION ON INGREDIENTS**

Powder.

**SECTION 3 - HAZARD IDENTIFICATION**

No hazardous product as specified in Directive 67/548/EEC.

**SECTION 4 - FIRST AID MEASURES**

- **After inhalation** : fresh air.
- **After skin contact** : wash off with plenty of water . Remove contaminated clothing.
- **After eye contact** : rinse out with plenty of water with the eyelid held wide open. Call in ophthalmologist if necessary.
- **After swallowing** : make victim drink plenty of water. Consult doctor if feeling unwell.

**SECTION 5 – FIRE-FIGHTING MEASURES**

- **Suitable extinguishing media**
  - In adaptation to materials stored in the immediate neighbourhood.
- **Special risks:**
  - Non-combustible.
- **Additional information:**
  - Prevent fire-fighting water from entering surface water or groundwater.

**SECTION 6 - ACCIDENTAL RELEASE MEASURES**

- **Personal precautions:**
  - Avoid generation of dusts; do not inhale dusts.
- **Environmental precautions:**
  - Do not allow to enter sewerage system.

**SECTION 7 - HANDLING AND STORAGE**

- **Handling:**
  - No further requirements.
- **Storage:**
  - Tightly closed. Dry.

**SECTION 8 - EXPOSURE CONTROL/PERSONAL PROTECTION**

- **General hygiene measures**
  - Change contaminated clothing. Wash hands after working with substance.
- **Personal protective equipment:**
  - As appropriate to quantity handled.
- **Protective gloves:**
  - Rubber or plastic.
- **Respiratory protection:**
  - Required when vapors/aerosols are generated.
- **Eye protection:**
  - Goggles or face mask.

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**SECTION 9 - PHYSICAL/CHEMICAL PROPERTIES**

- |                              |                    |                               |                          |
|------------------------------|--------------------|-------------------------------|--------------------------|
| • <b>Appearance</b>          | : colorless powder | • <b>density at 25°C</b>      | : 2.32 g/cm <sup>3</sup> |
| • <b>Odor</b>                | : odorless         | • <b>flash point</b>          | : NA                     |
| • <b>Solubility in water</b> | : 2 g/L @ 20°C     | • <b>explosive properties</b> | : NA                     |
| • <b>Melting point</b>       | : ND               | • <b>explosion limits</b>     | : NA                     |
| • <b>Boiling point</b>       | : NA               | • <b>ignition temperature</b> | : NA                     |
| • <b>pH value at 25°C</b>    | : 7.0 @ 50 g/L     |                               |                          |

**SECTION 10 - STABILITY AND REACTIVITY**

- |  |  |  |  |
|--|--|--|--|
| • <b>Conditions to be avoided:</b>         |  | • <b>Substances to be avoided:</b>               |  |
| - Heating.                                 |  | - Not available.                                 |  |
| • <b>Hazardous decomposition products:</b> |  | • <b>Further information:</b>                    |  |
| - In the event of fire: See chapter 5.     |  | - Releases water of crystallization when heated. |  |

**SECTION 11 - TOXICOLOGICAL INFORMATION***Acute toxicity*

LD<sub>50</sub> (oral, rat): >10000 mg/kg.

Specific symptoms in animal studies:

Eye irritation test (human): No irritation.

Skin irritation test (human): No irritation.

*Subacute to chronic toxicity*

Sensitization:

Experience in man: No sensitizing effect.

Bacterial mutagenicity: Ames test: negative.

*Further toxicological information*

Hazardous properties cannot be excluded but are unlikely when the product is handled appropriately.

*Further data*

The product should be handled with the care usual when dealing with chemicals.

**SECTION 12 - ECOLOGICAL INFORMATION***Biologic degradation:*

Methods for the determination of biodegradability are not applicable to inorganic substances.

*Ecotoxic effects:*

Biological effects:

Fish toxicity: L.macrochirus LC<sub>50</sub>: 2980 mg/l /96 h.

*Further ecologic data:*

No ecological problems are to be expected when the product is handled and used with due care and attention.

**SECTION 13 - DISPOSAL CONSIDERATIONS**

- **Waste disposal:**
  - Can be safely disposed off as an ordinary refuse.

**SECTION 14 - TRANSPORT INFORMATION**

- |                         |           |                  |
|-------------------------|-----------|------------------|
| • <b>Land transport</b> | ADR/RID   | : 9, PGII        |
|                         | UN-N      | : 3316           |
|                         | Name      | : CHEMICAL KIT   |
| • <b>Sea transport</b>  | IMDG      | : 9/UN 3316/PGII |
|                         | Name      | : CHEMICAL KIT   |
| • <b>Air transport</b>  | ICAO/IATA | : 9/UN 3316/PGII |
|                         | Name      | : CHEMICAL KIT   |

These transport data apply to the COMPLETE KIT!

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**SECTION 15 - REGULATORY INFORMATION****Labeling according to EC Directives:**

Symbol: -  
R-phrases: -  
S-phrases: -  
EC No.: 231-900-3  
Contains: Calcium sulfate dihydrate

**SECTION 16 - OTHER INFORMATION**

- **Supersedes edition of** : December 2002
  
- **Reasons for revision** : general update
  
- **Legend** : NA Not Applicable  
ND Not Determined

THE INFORMATION CONTAINED HEREIN IS BASED ON THE PRESENT STATE OF OUR KNOWLEDGE. IT CHARACTERIZES THE PRODUCT WITH REGARD TO THE APPROPRIATE SAFETY PRECAUTIONS. IT DOES NOT REPRESENT A GUARANTEE OF THE PROPERTIES OF THE PRODUCT.