

## 1. Name of the substance or mixture and of the company

### 1.1 Product identifiers

Product name : HumidityNormal 0.5%rh  
Product number : EA00-SCS  
Brand : ROTRONIC  
CAS no. : 1318-02-1

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

Identified Uses : Suitable only for the calibration of humidity meters

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

Company:	ROTRONIC AG Grindelstrasse 6 CH-8303 Bassersdorf	ROTRONIC Messgeräte GmbH Einsteinstrasse 17–23 D-76275 Ettlingen
Phone:	+41 44 8381111	+49 7243 383250
Fax:	+41 44 8364364	+49 7243 383260
Email address	humidity@rotronic.ch	

### 1.4 Emergency call number

Emergency phone no. :+49/(0)89 19240 Giftinformation München

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## 2. Potential dangers

### 2.1 Classification of the substance or mixture

**Classification according to Regulation (EC) No. 1272/2008 [EU GHS/CLP]**

The product is classified as not dangerous.

**Classification according to EU Directive 67/548/EEC or 1999/45/EC with amendments**

No dangerous product

## 2.2 Content of labels

The product need not be labelled under the EC Directives or the applicable national laws.

**Other dangers** – none

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## 3. Composition / information on constituents

Synonyms : calibration standard  
zeolites

CAS no.	EC no.	Index no.	Classification	Concentration
<b>Zeolites</b>				
1318-02-1	215-283-8		—	100%

The complete text description of the danger symbols used in this section can be found in Section 16.

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## 4. First Aid measures

### 4.1 Description of First Aid measures General instructions

Seek medical advice. Present this safety data sheet to the doctor.

#### After inhalation

After inhalation, take the affected person into the fresh air. In the event of respiratory arrest, apply mouth to mouth resuscitation. Seek medical advice.

#### After contact with eyes

Rinse thoroughly with copious amounts of water for at least fifteen minutes, and seek medical advice.

**After contact with skin**

Wash off with soap and copious amounts of water. Seek medical advice.

**After swallowing**

Do not induce vomiting.

Never introduce anything through the mouth of an unconscious person.

Wash out the mouth with water. Seek medical advice.

**4.2 Most important acute or delayed symptoms and effects**

No data available

**4.3 Indications of any immediate medical attention and special treatment**

No data available

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**5. Firefighting measures****5.1 Extinguishing agents****Suitable extinguishing agents**

Use water spray, alcohol resistant foam, dry extinguishing agents, or carbon dioxide.  
Choose the firefighting measures suitable for the environment.

**5.2 Particular dangers associated with the substance or mixture**

No data available

**5.3 Particular protective equipment for firefighting**

In the event of fire, breathing apparatus with its own supply of air may have to be worn.

**5.4 Further information**

No data available

## 6. Measures on accidental release

### 6.1 Personal precautions, protective equipment, and what to do in Emergencies

Suppress the formation of dust.  
Provide for adequate ventilation. Avoid contact with the substance. Bring persons to safety.

### 6.1 Environmental protection measures

Do not allow to enter the sewers.  
Prevent contact with the environment.

### 6.2 Containment and cleaning methods and materials

Take up with mechanical means.  
Collect in suitable and sealed containers for disposal.  
Dispose of collected material in accordance with the pertinent regulations.

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## 7. Handling and storage

### 7.1 Protective measures for safe handling

No special measures required.  
Handling must comply with the laboratory guidelines issued by the professional association of the chemicals industries.

### 7.2 Safe storage conditions

Keep the ampoules sealed and unopened in a cool, dry, and well ventilated place.  
Store breakable glass ampoules in their sealed original packaging and protect this from impacts.

### 7.3 Storing with other substances

Store separately from food.

## 8. Limits and monitoring of exposure / personal protective equipment

Does not contain any substances with workplace exposure limits

### **Suitable technical control devices**

The usual precautions for handling chemicals must be observed.

### **Personal protective equipment**

#### **Respiratory protection**

When the risk assessment requires air cleaning respiratory protection, this must take the form of a full face shield with a multipurpose combination filter (US) or with a P3 type filter in addition to the technical measures.

#### **Hand protection**

Work with gloves. Gloves must be examined before use. Use suitable aids that prevent contact between the skin and the product on the outer surface of the glove.  
After use, contaminated gloves must be disposed of in accordance with the legal provisions and good laboratory practices. Wash and dry your hands.  
The protective gloves used must comply with the specifications of the EC Directive 89/686/EEC and the standard EN 374 resulting therefrom.

#### **Eye protection**

Face shield and safety goggles complying with EN 166 The eye protection you use must have been tested and approved in accordance with official standards, e.g. NIOSH (US) or EN 166 (EU).

Wear goggles.

#### **Skin and body protection**

The type of protective equipment chosen must be suitable for the concentration and quantity of the hazardous substance at the workplace.

**Hygiene measures**

The usual precautions for handling chemicals must be observed.  
Wash your hands before breaks and at the end of work.  
Keep away from food, drink, and animal feed.

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**9. Physical and chemical properties****Appearance**

Form	:	solid
Colour	:	whitish
Odour	:	odourless

**Data relevant to safety**

pH value	:	not applicable
Boiling point	:	not defined
Flash point	:	not applicable
Ignition temperature	:	not applicable
Lower explosion limit	:	The product is not explosive.
Upper explosive limit	:	The product is not explosive.
Viscosity	:	no data available
Water solubility	:	insoluble
Density	:	0.71 g/cm <sup>3</sup>

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**10. Stability and reactivity****Chemical stability**

Stable under the specified storage conditions

**Conditions to avoid**

Accidental opening of the ampoules, or glass breakage

**Substances to avoid**

No details available

**Hazardous decomposition products**No details available

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**11. Toxicological effects****Acute toxicity**

LD50, oral, rat : 5100 mg/kg

**Caustic/irritant effects on skin**

No irritant effect

**Caustic/irritant effects on eyes**

No irritant effect

**Respiratory or skin sensitisation**

No irritant effect

**Germ cell mutagenicity**

No data available

**Carcinogenicity**

IARC: No constituent of this product in a concentration of 0.1% or more has been identified by the IARC as an expected, potential, or proven carcinogenic product for humans.

**Reproductive toxicity**

No data available

**Specific target organ toxicity – single exposure**

The substance or the mixture is not classified as a target organ toxicant after single exposure.

**Specific target organ toxicity – repeated exposure**

The substance or the mixture is not classified as a target organ toxicant after repeated exposure.

**Aspiration hazard**

No aspiration toxicity classification

**Potential health hazards**

**Inhalation**

No irritant effect

**Swallowing**

No data available

**Skin**

No irritant effect

**Eyes**

No irritant effect

**Indications and symptoms after exposure**

No data available

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**12. Ecological information****Toxicity**

no data available

**Aquatic toxicity**

Fish toxicity	LC50: 1800 mg/l/96h	Brachydanio rerio
Daphnia toxicity:	EC50: 2800 mg/l/24h	Daphnia magna
Remark:	Do not allow to enter the sewers, surface water, or soil.	

**General instructions**

Generally not hazardous to water

**Persistence and degradability**

No data available

**Bioaccumulation potential**

No data available

**Mobility in soil**

No data available

**Results of PBT and vPvB assessment**

No data available

**Other harmful effects**No data available

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**13. Disposal information****Product**

All national and local laws must be observed.

**Contaminated packaging**Disposal identical to unused product

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**14. Transport information**

Not subject to transport regulations

**14.1 UN number**

ADR/RID: —

IMDG: —

IATA: —

**14.2 UN proper shipping name**

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

**14.3 Transport hazard class(es)**

ADR/RID: —                      IMDG: —    IATA: —

**14.4 Packaging group**

ADR/RID: —                      IMDG: —    IATA: —

**14.5 Risks to the environment**

ADR/RID: no                      IMDG Marine pollutant: no    IATA: no

**14.6 Special precautions for the user**

No data available

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**15. Legal regulations**

This safety data sheet fulfils the requirements under Regulation (EC) No. 1907/2006.

**15.1 Regulations on safety, health, and environmental protection / specific legal regulations for the substance or mixture****National regulations****Water pollution class**

Generally not hazardous to water

**15.2 Chemical safety assessment**

No data available

## 16. Other details

### Further information

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ROTRONIC AG does not accept any liability for damage or harm that may be caused as a result of handling or contacting these chemicals.

We refer you explicitly to our sales and delivery conditions in the catalogue and on the back of our invoices and delivery notes.