

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 : Suitable only for the calibration of humidity meters
Uses

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

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

3. Composition / information on constituents

Synonyms : calibration standard
zeolites

CAS no.	EC no.	Index no.	Classification	Concentration
Zeolites				
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.

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

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.

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.

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 ³

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 productsNo details available

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

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 effectsNo data available

13. Disposal information**Product**

All national and local laws must be observed.

Contaminated packagingDisposal identical to unused product

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

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.