

Safety data sheet



MSDS_0_rh_2024-1-EN

Safety data sheet
according to Regulation (EC) No
1907/2006
Version 7.0 Revised 17.04.2024
Print date 16.10.2024

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name / designation	Moisture standard 0.5 %rh
Product number	EA00-SCS
Brand	ROTRONIC

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

Utilisation category [SU]	SU 0 other
Product categories [PC]	PC-TEC-3 Desiccant
Application of the substance / mixture	Only suitable for calibrating of humidity meters For professional users only

1.3 Details of the supplier of the safety data sheet

Company	ROTRONIC AG Grindelstrasse 6 CH-8303 Bassersdorf	Process Sensing Technologies PST GmbH Max-Planck-Str. 14 D-61381 Friedrichsdorf
Telephone	+41 44 838 11 11	+49 7243 6019000
Email address	measure@rotronic.ch	de.rotronic.sales@processsensing.com
Website	www.ProcessSensing.com	
Providing information	+41 44 838 11 11 (This number is only manned during office hours)	
e-mail (competent person)	pm@rotronic.ch	

1.4 Emergency number

Switzerland / Germany	Tox Info Suisse (CH) +41 44 251 51 51 (145)	Poison Center D-Munich (DE) +49 89 192 40
United Kingdom / Ireland	Poisons Information Centre, London (UK) +44 845 46 47 (111)	National Poisons Information Centre (NPIC), Dublin (IE) +353 1 809 2166
United States	New York City Poison Control Center 1-800-222-1222	

Section 2: Possible dangers

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

This substance does not fulfil the criteria for classification according to Regulation No 1272/2008/EC.

Hazard warnings for environmental hazards

Not hazardous to water (nwg)

Remark

The classification corresponds to the current EC lists, but is supplemented by information from specialised literature and company data.

2.2 Labelling elements

Classification according to Regulation (EC) No 1272/2008 [CLP]

Not a hazardous substance according to Regulation No. 1272/2008/EC.

2.3 Other hazards

This substance does not contain components classified as either persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Environmental information: The substance/mixture does not contain components with endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Delegated Regulation (EU) 2018/605 in quantities of 0.1% or more.

Toxicological information: The substance/mixture does not contain components with endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Delegated Regulation (EU) 2018/605 in quantities of 0.1% or more.

Section 3: Composition/information on ingredients

3.1 Fabrics

Hazardous ingredients

CAS No.	EC no.	REACH	Substance name	Concentration	Classification according to Regulation (EC) No 1272/2008 [CLP]
1318-02-1	215-283-8	#1	Zeolite	100 wt-%	This mixture does not meet the criteria for classification in accordance with Regulation No 1272/2008/EC

#1

A registration number for this substance is not available because the substance or its use is exempted from registration, the annual tonnage does not require registration or registration is foreseen for a later date.

3.2 Mixtures

Not applicable

Safety data sheet

MSDS_0_rh_2024-1-EN

Safety data sheet
according to Regulation (EC) No
1907/2006
Version 7.0 Revised 17.04.2024
Print date 16.10.2024

Section 4: First aid measures

4.1 Description of first aid measures

General information

No special precautions required.

After inhalation

Fresh air

After skin contact

No adverse effect identified.

After eye contact

No adverse effect identified.

After ingestion

Rinse mouth thoroughly with water.

Let them drink water (maximum 2 drinking glasses)

Call a doctor if you feel unwell.

4.2 Most important symptoms and effects, both acute and delayed

No symptoms and effects are known to date.

4.3 Information on immediate medical assistance or specialised treatment

No data available.

Section 5: Firefighting measures

5.1 Extinguishing agent

Unsuitable extinguishing agents

No restriction

5.2 Special hazards arising from the substance or mixture

Type of decomposition products unknown.

5.3 Instructions for firefighting

No special fire protection measures required.

5.4 Further information

none

Section 6: Measures in the event of accidental release

6.1 Personal precautions, protective equipment and emergency procedures

Staff not trained for emergencies

No special measures are required.

6.2 Environmental protection measures

Not required.

6.3 Methods and material for retention and cleaning

For retention

Dispose of in suitable containers.

6.4 Reference to other sections

Safe handling: see section 7

Personal protective equipment: see section 8

Disposal: see section 13

Section 7: Handling and storage

7.1 Protective measures for safe handling

Protective measures

Information on protective measures can be found in section 2.2.

Keep the packaging dry and well sealed to avoid contamination and absorption of moisture.

Store container in a cool, well-ventilated place.

Notes on general industrial hygiene

Do not eat, drink, smoke or snuff at the workplace.

Keep away from food and drink.

Wash hands before breaks and at the end of work.

7.2 Conditions for safe storage in consideration of incompatibilities

Requirements for storage rooms and containers

Keep/store only in the original container.

Keep container tightly closed.

Suitable material for containers/systems: Original container

Storage class

Storage class (TRGS 510): 11 (flammable solids)

Substances to avoid

Do not store together with:

Food and animal feed

Further information on storage conditions

Keep container tightly closed and store in a cool, well-ventilated place.

7.3 Specific end uses

Safety data sheet	rotronic MEASUREMENT SOLUTIONS A PST BRAND
MSDS_0_rh_2024-1-EN	Safety data sheet according to Regulation (EC) No 1907/2006 Version 7.0 Revised 17.04.2024 Print date 16.10.2024

Apart from the uses mentioned in section 1.2, no other specific uses are foreseen.

Section 8: Exposure controls/personal protective equipment

8.1 Parameters to be monitored

Contains no substance with occupational exposure limits

8.2 Exposure controls and monitoring

Suitable technical control equipment

Technical measures to prevent exposure

Avoid contact with eyes and skin.

Personal protective equipment

Eye/face protection

Only use eye protection equipment that has been tested and approved in accordance with official standards such as NIOSH (US) or EN 166 (EU).

Safety goggles

Hand protection

The selected protective gloves must fulfil the specifications of EC Directive 2016/425 and the EN 374 standard derived from it.

Information on the glove material

Nitrile rubber

Butyl rubber

Body protection

Normal work clothes

Respiratory protection

No respiratory protection required

Additional notes

No occupational exposure limits (OEL) have been defined for the product.

Monitoring of environmental exposure

No special measures required

Section 9: Physical and chemical properties

9.1 Information on the basic physical and chemical properties

a) Aggregate state	firm
b) Colour	white
c) Odour	Not determined
d) Melting point/freezing point	Not determined
e) Boiling point	Not determined
f) Flammability	Not determined
g) Lower and upper explosion limit	Not determined
h) Flash point	Not applicable
i) Ignition temperature	Not determined
j) Decomposition temperature	Not determined
k) pH value	Not determined
l) Kinematic viscosity	Not determined

Safety data sheet

MSDS_0_rh_2024-1-EN

Safety data sheet
according to Regulation (EC) No
1907/2006
Version 7.0 Revised 17.04.2024
Print date 16.10.2024

m) Solubility	Not determined
n) Partition coefficient: n-octanol/water	Not determined
o) Vapour pressure	Not determined
p) Density	Not determined
q) Relative vapour density	Not determined
r) Particle properties	Not determined
s) Explosive properties	No data available
t) Oxidising properties	No data available

9.2 Other information Other safety-related parameters

Explosive properties: The product is not explosive.

Section 10: Stability and reactivity

10.1 Reactivity

This material is not reactive under normal environmental conditions.

10.2 Chemical stability

The product is chemically stable under normal ambient conditions (room temperature).

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

Accidental opening of the ampoules or glass breakage.

10.5 Incompatible materials

Strong acids, strong bases, hydrogen fluoride, chlorine trifluoride, ethylene oxide, halogenated hydrocarbons, oxygen difluoride, sodium nitrate, vinyl compounds
Strong acids, strong oxidising agents

10.6 Hazardous decomposition products

No known hazardous decomposition products.
No decomposition when used as intended.

Section 11: Toxicological information

11.1 Information on hazard classes according to Regulation (EC) No 1272/2008

Acute toxicity

Animal data

Is not to be classified as acutely toxic.

Corrosive/irritant effect on the skin

Animal data

Result / Evaluation	Method	Source, remark
No data available		

Safety data sheet	rotronic MEASUREMENT SOLUTIONS A PST BRAND
MSDS_0_rh_2024-1-EN	Safety data sheet according to Regulation (EC) No 1907/2006 Version 7.0 Revised 17.04.2024 Print date 16.10.2024

Assessment/classification

Is not classified as skin corrosive/irritant.

Serious eye damage/irritation

Assessment/classification

Is not classified as seriously damaging or irritating to the eyes.

Sensitisation of the respiratory tract

Not determined

Sensitisation of the skin

Animal data

Result / Evaluation	Dose / concentration	Method	Source, remark
No data available			

Germ cell mutagenicity

Not determined

Carcinogenicity

Not determined

Reproductive toxicity

Not determined

Specific target organ toxicity - single exposure

Not determined

Specific target organ toxicity - repeated exposure

Not determined

Aspiration hazard

Not determined

11.2 Information on other hazards

Endocrine disrupting properties

The substance/mixture does not contain components that exhibit endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Delegated Regulation (EU) 2018/605 in quantities of 0.1% or more.

Other information

Toxicological data are not available.

The product has not been tested.

The statement is derived from the properties of the individual component.

Section 12: Environmental information

12.1 Toxicity

Aquatic toxicity

	Active dose	Method, evaluation	Source, remark
Acute (short-term) fish toxicity	not determined		
Chronic (long-term) fish toxicity	not determined		
Acute (short-term) toxicity to crustaceans	not determined		
Chronic (long-term) toxicity to aquatic invertebrates	not determined		
Acute (short-term) toxicity to algae and cyanobacteria	not determined		
Chronic (long-term) toxicity to algae and cyanobacteria	not determined		
Toxicity to other aquatic plants/organisms	not determined		
Toxicity for microorganisms	not determined		

12.2 Persistence and degradability

The methods for assessing biodegradability are not applicable to inorganic substances.

12.3 Bioaccumulative potential

Estimation / categorisation

No data available.

12.4 Mobility in soil

No data available.

12.5 Results of the PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Endocrine disrupting properties

The substance/mixture does not contain components that exhibit endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Delegated Regulation (EU) 2018/605 in quantities of 0.1% or more.

12.7 Other harmful effects

Additional ecotoxicological information

Release into the environment must be avoided.

Additional information

Ecological data are not available.

Section 13: Notes on disposal

13.1 Waste treatment processes

Product residues must be disposed of in accordance with national and regional regulations.
Observe Waste Directive 2008/98/EC.

Proper disposal / product

Product residues must be disposed of in accordance with the Ordinance on the Avoidance and disposal of waste (Ordinance on the Disposal of Waste, VVEA, SR 814.600), the Ordinance on the Movement of Waste (VeVA, SR 814.610) and the Ordinance of the TOB on Lists on the transport of waste (LVA, SR 814.610.1).
Leave chemicals in original containers. Do not mix with other waste.
Uncleaned containers must be treated in accordance with the product.

Proper disposal / packaging

Completely emptied packaging can be recycled.
Non-contaminated and completely emptied packaging can be recycled. Contaminated packaging must be treated in the same way as the substance.

Section 14: Transport details

14.1 UN number or ID number

Land transport (ADR/RID)	-
Sea transport (IMDG)	-
Air transport (ICAO-TI / IATA-DGR)	-

14.2 UN proper shipping name

Land transport (ADR/RID)	No dangerous goods
Sea transport (IMDG)	Not dangerous goods
Air transport (ICAO-TI / IATA-DGR)	Not dangerous goods

14.3 Transport hazard classes

Land transport (ADR/RID)	-
Sea transport (IMDG)	-
Air transport (ICAO-TI / IATA-DGR)	-

14.4 Packaging group

Land transport (ADR/RID)	-
Sea transport (IMDG)	-
Air transport (ICAO-TI / IATA-DGR)	-

14.5 Environmental hazards

Land transport (ADR/RID)	no
Sea transport (IMDG)	Marine pollutant: no
Air transport (ICAO-TI / IATA-DGR)	no

Safety data sheet

MSDS_0_rh_2024-1-EN

Safety data sheet
according to Regulation (EC) No
1907/2006
Version 7.0 Revised 17.04.2024
Print date 16.10.2024

14.6 Special precautions for the user

No data available

Further information

No dangerous goods in the sense of the transport regulations.

14.7 Transport of bulk goods by sea in accordance with IMO instruments

No data available

Land transport (ADR/RID)

UN number or ID number	-
Proper UN shipping name	-
Transport hazard classes	-
Hazard label	-
Classification code	-
Packaging group	-
Environmental hazards	no
Limited quantity (LQ)	-
Special regulations	-
Tunnel restriction code	-

Sea transport (IMDG)

UN number or ID number	-
Proper UN shipping name	-
Transport hazard classes	-
Packaging group	-
Environmental hazards	-
Limited quantity (LQ)	-
Marine pollutant	no
EmS	-

Air transport (ICAO-TI / IATA-DGR)

UN number or ID number	-
Proper UN shipping name	-
Transport hazard classes	-
Packaging group	-
Environmental hazards	-

Section 15: Legislation

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

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

Water hazard class: nwg, not hazardous to water - identification number 2.653 - VwVwS

Restrictions on use

None for professional users.

15.2 Chemical safety assessment

National regulations

Chemical safety assessments for this substance have not been carried out.

Section 16: Other information

Abbreviations and acronyms

ADR

Accord relatif au transport international des marchandises dangereuses par route (Convention concerning the International Carriage of Dangerous Goods by Road)

IMDG

International Maritime Dangerous Goods Code (international code for the carriage of dangerous goods by sea-going vessels)

ICAO

International Civil Aviation Organization (international civil aviation organisation)

IATA/DGR

Dangerous Goods Regulations (DGR) for the air transport (IATA) (regulations for the transport of dangerous goods by air)

Additional notes

Existing national and local laws regarding chemicals must be observed.

The information in this safety data sheet is correct to the best of our knowledge, information and belief at the date of printing, but does not purport to be complete and should be regarded by the user as a guide only. The information is intended to give you guidance on the safe handling of the product mentioned in this safety data sheet during storage, processing, transport and disposal. The information is not transferable to other products. If the product is mixed, blended or processed with other materials or undergoes processing, the information in this safety data sheet cannot be transferred to the new material produced in this way, unless expressly stated otherwise.

Further information

Copyright (2024): Rotronic AG.

Copies may only be made for internal use.

Rotronic AG and its subsidiaries exclude any liability for damage or claims that may occur when handling or coming into contact with these chemicals and/or that result from handling, transport,

Safety data sheet	 <small>MEASUREMENT SOLUTIONS A PST BRAND</small>
MSDS_0_rh_2024-1-EN	Safety data sheet according to Regulation (EC) No 1907/2006 Version 7.0 Revised 17.04.2024 Print date 16.10.2024

storage or disposal of the product. This safety data sheet is to be used exclusively for the product listed above.