

# Safety data sheet



MSDS\_95\_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	Humidity standard 95 %rh
Product number	EA95-SCS
Brand	ROTRONIC
UFI code	C6VE-K0DR-P00C-SF4G

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

Areas of use [SU]	SU9 Production of fine chemicals
Product categories [PC]	PC21 Laboratory chemicals
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	<a href="http://www.ProcessSensing.com">www.ProcessSensing.com</a>	
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	

<b>Safety data sheet</b>	<b>rotronic</b> MEASUREMENT SOLUTIONS A PST BRAND
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## Section 2: Possible dangers

### 2.1 Classification of the substance or mixture

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

This mixture 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 required

### 2.3 Other hazards

No data available

## Section 3: Composition/information on ingredients

### 3.1 Fabrics

Not applicable

### 3.2 Mixtures

#### Hazardous ingredients

CAS No.	EC no.	REACH	Substance name	Concentration	Classification according to Regulation (EC) No 1272/2008 [CLP]	SCL/ M/ ATE
7447-41-8	231-212-3	#1	Lithium chloride	2 - 8 % by weight	This mixture does not meet the criteria for classification in accordance with Regulation No 1272/2008/EC	526

#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.

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**Section 4: First aid measures****4.1 Description of first aid measures****General information**

No special precautions required.

**After inhalation**

No adverse effect identified.

**After skin contact**

No adverse effect identified.

**After eye contact**

No adverse effect identified.

**After ingestion**

Rinse mouth thoroughly with water.

Call a doctor if you feel unwell.

Drink plenty of water in small sips (dilution effect).

**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.

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**Section 5: Firefighting measures****5.1 Extinguishing agent****Suitable extinguishing agents**

The mixture itself does not burn.

**Unsuitable extinguishing agents**

No restriction

**5.2 Special hazards arising from the substance or mixture**

Non-flammable.

**5.3 Instructions for firefighting**

No special fire protection measures required.

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**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

Wipe up with absorbent material (e.g. cloth, fleece).

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

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## Section 7: Handling and storage

### 7.1 Protective measures for safe handling

#### Protective measures

The usual precautionary measures for handling chemicals must be observed.

The product is not: Flammable

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

Store container in a cool, well-ventilated place.

Avoidance of: Eye contact

#### 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 (LGK): 12 (non-flammable liquids)

#### 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. Protect from heat and direct sunlight.

### 7.3 Specific end uses

No data available

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## Section 8: Exposure controls/personal protective equipment

### 8.1 Parameters to be monitored

No data available

### 8.2 Exposure controls and monitoring Suitable technical control equipment

#### Technical measures to prevent exposure

Avoid contact with eyes and skin.

Wear safety goggles to protect against liquid splashes.

#### Personal protective equipment

##### Eye/face protection

Safety goggles EN 166

##### Hand protection

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.

## Section 9: Physical and chemical properties

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

a) Aggregate state	Liquid
b) Colour	Clear, colourless
c) Odour	Characteristic
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 determined
i) Ignition temperature	Not determined
j) Decomposition temperature	Not determined
k) pH value	6
l) Kinematic viscosity	Not determined
m) Solubility	Completely soluble
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

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## 9.2 Other information

### Other safety-related parameters

Explosive properties: The product is not explosive.

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## Section 10: Stability and reactivity

### 10.1 Reactivity

This material is not reactive under normal environmental conditions.

### 10.2 Chemical stability

No data available

### 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

No data available

### 10.6 Hazardous decomposition products

No hazardous decomposition products known.

No decomposition when used as intended.

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## 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		

#### 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

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## 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

### Other information

Toxicological data are not available.

The product has not been tested.

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

## 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

No data available.

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### 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

No data available

### 12.6 Endocrine disrupting properties

No data available.

### 12.7 Other harmful effects

#### Additional ecotoxicological information

#### Additional information

Ecological data are not available.

## Section 13: Notes on disposal

### 13.1 Waste treatment processes

#### Waste codes/waste designations according to EAK/AVV

Waste code	ProductWaste designation
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161002 *	aqueous liquid wastes other than those mentioned in 16 10 01.
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#### 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



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### 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

### 14.6 Special precautions for the user

No data available

### 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	-

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**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.

**Restrictions on use**

None for professional users.

**15.2 Chemical safety assessment****National regulations**

Chemical safety assessments for substances in this mixture have not been carried out.

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**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. The information is intended to provide you with guidelines for 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 subjected to processing, the information in this safety data sheet cannot be transferred to the new material produced in this way, unless expressly stated otherwise.

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