

# MATERIAL SAFETY DATA SHEET

corresponding 91/155/EWG

20<sup>th</sup> November 2001

## 1. Substance / preparation- and enterprise specification

**TRADE NAME** Humidity standard (20/35/50/65/75.3/80/95 %rh)

Intended use: Only suitable for the calibration of humidity measuring instruments.

Supplier: ROTRONIC AG, CH-8303 Bassersdorf

## 2. Composition / specification of the components

Dangerous contents of the substances which are injurious to health, as per the instructions on dangerous substances 67/548/EWG.

CAS-No.	Designation	Content weight %	Danger symbol	R-Sets
7447-41-8	Lithium chloride	up to 40	Xn	22, 36 / 38

## 3. Possible dangers of the preparation

Definition of the danger: Injurious to health

## 4. First-aid measures

After contact with the skin: Wash off immediately and thoroughly with lots of water.

After contact with the eyes: Hold open eyelids and rinse plentifully with clean and current water, in case apply for medical advice.

After swallowing: Having swallowed, immediately call for the doctor!

## 5. Measures for the fire fighting

The product is not inflammable.

At thermal decomposition poisonous and irritating gases/vapours may emerge.

## 6. Measures on unintentional emission

Take off with an absorbent cloth and conduct to the house garbage.

## 7. Handling and storage

### Handling:

During work, do not eat drink or smoke.

### Storage:

Store in a cool and dry place. Protect from heat.

## 8. Exposition limitation and personal protective equipment

### Technical protective measures:

none

### Personal protective equipment:

Respiration protection:	not necessary
Hand protection:	not necessary, in case of contact with the skin, wash off with water
Eye protection:	not necessary

## 9. Physical and chemical properties

Form:	liquid
Colour:	colourless
Smell:	odourless
Boiling point:	according to the concentration about 100 - 130°C
Flash point:	not applicable
Viscosity:	not known
Density:	not known
pH-value:	about 6 - 7
Mixable with water:	not limited

## 10. Stability and reactivity

Stability:	at usual storage and handling, the product is stable.
Substances to avoid:	do not mix with sour or alkaline materials.
Dangerous decompositive products:	in case of fire, dangerous decompositive products may emerge, as e.g. hydrochloric acid.

## 11. Indications on toxicology

Irritates the eyes and the skin.  
After swallowing, injurious to health.

## 12. Indications on ecology

Water endangering class 1 (Germany)

## 13. Instructions for disposal

Thinned with lots of water, conduct the product to the sewage.  
Likewise conduct to the house garbage materials contaminated with the product.

## 14. Instructions for transport

not classified

## 15. Prescriptions

Danger symbol:	Xn
Danger description:	Injurious to health
Danger determining components:	contains: Lithium chloride, max. 40%

R-Sets:	
R 22	Injurious to health after swallowing
R 36 / 38	Irritates the eyes and the skin

S-Sets:	
S 28	At contact with the skin, immediately wash off with lots of water.

National prescriptions:	
CH poison class 3	BAGT-No. 40810

## 16. Further instructions

The indications in this Material safety data sheet correspond to our present knowledge. The given working conditions of the user, however, are deprived to our knowledge and control. Without written permission, the product may not be conveyed to any other application purpose, than mentioned in paragraph 1. The user is responsible for the employment of a statutory decrees. The indications in this Material safety data sheet describe the security demands of state of product and do not represent any assurance of product properties.