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# Productinformation No. F 5.2
# Accessories
Humidity standards

CE

### Function

In a closed system, a reproducible vapor pressure of water vapor establishes itself above a saturated salt solution. The salt solutions release water during salt precipitation or absorb water while undissolved salt goes into solution. These processes continue until the vapor pressure of the overlying air volume is equal to that of the saturated salt solution. The relative humidity that establishes itself in the air volume (test chamber) depends on the salt solution and the temperature of the solution. The test chamber and salt solution are separated by a water vapor-permeable membrane.

### User instructions:

The humidity sensor and the humidity standard must have the same temperature during the calibration, otherwise distortions will occur. The temperature can range from 10 to 40 °C, but must remain constant during the testing process. The sensors should be stored for about 24 hours prior to testing at a stable humidity level between 30 and 50 % rF.Before each testing procedure, the saline solution in the humidity standard must be checked, as the values specified in the table can only be achieved with saturated saline solution. The control is conducted visually. A saturated saline solution is present when there is still enough undissolved salt visible. When handling the humidity standard, care must be taken to ensure that the testing area is only opened briefly to insert the sensor element, as otherwise a continuous exchange of humidity occurs between the saline solution and the surrounding air. In an open testing environment, for instance, LiCl and MgCl2 absorb moisture from the surrounding air, while NaCl and KCl dry out.
When not in use, the humidity standard must always be stored with the lid closed.

### Description

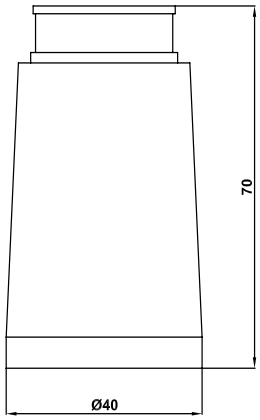
The ZE 31/1 moisture standards serve for the simple and reliable testing of Mela moisture sensors on-site or in the laboratory. The following moisture standards are offered:

| Types | Order code |
|---|---|
| empty container | ZE31/1 |
| 12% at 25°C | ZE31/1-12 |
| 33% at 25°C | ZE31/1-33 |
| 44% at 25°C | ZE31/1-44 |
| 75% at 25°C | ZE31/1-75 |
| 84% at 25°C | ZE31/1-84 |
| 94% at 25°C | ZE31/1-94 |

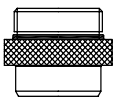
### Humidity values depending on the ambient temperature:

| Temp. | LiCl | $MgCl_2$ | $K_2CO_3$ | NaCl | KCl | $KNO_3$ |
|---|---|---|---|---|---|---|
| 10°C | 12% | 34% | 43,2% | 76% | 87% | 96,0% |
| 15°C | 12% | 33% | 43,2% | 76% | 86% | 95,4% |
| 20°C | 12% | 33% | 43,2% | 75% | 85% | 94,6% |
| 25°C | 12% | 33% | 43,2% | 75% | 84% | 93,6% |
| 30°C | 12% | 32% | 43,2% | 75% | 83% | 92,3% |
| 35°C | 12% | 32% | | 75% | 83% | 90,8% |
| 40°C | 12% | 32% | | 75% | 82% | 89,0% |

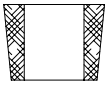
Reproducibility: ±2%rF




ZE33



ZE36



## Testing

The humidity standard series ZE31/1 is suitable for testing MELA moisture sensors and modules of the following product information:

Productinformation No.: B 1.4, Series GM, VM
Produktinformation No.: C 2.3, 2.4, 2.5, 2.7, 2.8, 4.2, 4.4, 4.7, 4.8 and D-Series

### Application instructions

The test should preferably be conducted with the sensor element pointing straight down (observe operating conditions according to the data sheet). For sensors with a diameter of 20 mm (C2.3, C2.4, C2.5, C2.8, and C4.7 - version ...CG-), the protective cage must be carefully unscrewed from the sensor and the test adapter type ZE 33 mounted onto the sensor. The sensor is then inserted into the humidity standard with the mounted test adapter. For sensors with a diameter of 15 mm (C4.2, C4.4, C4.7, and C4.7 - except version ...CG- and C4.8), the test adapter type ZE33 is to be attached in such a way that about 30 mm protrude from the adapter at the sensor tip. The sensor is then inserted into the humidity standard with the mounted test adapter. To ensure the tightness of the test chamber, the O-rings must not be damaged or removed.
For sensors with a diameter of 12 mm (C2.7 and D-series), the test adapter type ZE36 is attached in such a way that approximately 30 mm of the sensor tip protrudes from the adapter. The sensor is then inserted into the humidity standard with the mounted test adapter.

CAUTION!

When inserting the sensor into the humidity standard, care must be taken not to damage the membrane at the bottom of the vessel with the sensor tip.The moisture standard should remain connected to the power supply for at least two hours with the disconnected sensor; complete equalization of the humidity in the test chamber takes around 24 hours. Attention must be paid to the thermal equilibrium between the sensor, humidity standard, and ambient air. The power supply should only be connected during the actual calibration process. The humidity standards are not suitable for fine-tuning.The highly sensitive surface of the sensor element must not be touched!

**Safety data sheet**

Humidity standards according to Regulation (EC) No. 1907/2006 (REACH), amended with 2020/878/EU
Version 1.0 Date of creation: 02.09.25

***Section 1 Name of the substance or mixture and of the company***

*1.1 Product identifier*

| | |
|---|---|
| Name of the substance: | saturated aqueous solution, surplus of solid salt |
| Lithium chloride, dissolved in dH2O | Article ZE31/1-12 |
| Potassium nitrate, dissolved in dH2O | Article ZE 31/1-94 |
| Potassium carbonate, dissolved in dH2O | Article ZE31/1-44 |
| Registration number (REACH): | not relevant (mixture) |
| Magnesium chloride hexahydrate, dissolved in dH2O | Article ZE31/1-33 |
| Sodium chloride, dissolved in dH2O Article | ZE31/75 |
| Potassium chloride, dissolved in dH2O Article | ZE31/1-84 |
| Registration number (REACH): | not applicable |

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

| | |
|---|---|
| Use of the material / mixture | Checking of MELA moisture sensors |
| Uses that are discouraged | Do not use for private purposes (household). |

*1.3 Details about the supplier providing the safety data sheet to the supplier providing the safety data sheet*

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Germany

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Website: www.galltec-mela.de

*1.4 Emergency number according to TRGS 220 (version 14.03.2022)* Conclude contract

***Section 2: Possible dangers***

*2.1 Classification of the substance or mixture CLP No. 1272/2008 (CLP)*

This mixture does not meet the criteria for classification according to Regulation (EC) No. 1272/2008 (CLP)

*2.2 Labeling elements*

Labeling according to Regulation (EC) No. 1272/2008 (CLP)not required

*2.3 Other hazards*

Results of the PBT and vPvB assessmentAccording to the results of its assessment, this substance is neither a PBT nor a vPvB substance.Endocrine harmful propertiesDoes not contain any endocrine disruptor (ED) in a concentration of ≥ 0.1%.

***Section 3: Composition and Information on Components***

*3.1 Substances* Not relevant (Mixture)

*3.2 MixturesDescription of the mixture:*

supersaturated solution

| Material acceptance | Idientifier | Hazard warning, hazard class | | category | Pictograms |
|---|---|---|---|---|---|
| Lithium chloride solution >36.2 % | CAS-Nr. 7447-41-8<br>EG-Nr. 231-212-3 | H302<br>H315<br><br>H319 | Acute toxicity (oral)<br>Corrosive/irritating effects on the skin<br>severe eye damage/eye irritation. | 4<br>2<br><br>2 |  |
| Potassium nitrate solution >23.8 % | CAS-Nr. 7757-79-1<br>EG-Nr. 231-818-8 | H272 | Oxidizing solid substances | 3 |  |
| Potassium carbonate solution >52.8% | CAS-Nr. 584-08-7<br>EG-Nr. 209-529-3. | H315<br>H319<br><br>H335 | Causes skin irritation<br>Causes serious eye irritation<br>May irritate the respiratory tract. | 2<br>2<br><br>3 |  |
| Magnesium chloride hexahydrate solution >35.2 % | CAS-Nr. 7791-18-6<br>EG-Nr. 232-094-6 | not applicable | | | |
| Sodium chloride solution >26.5% | CAS-Nr. 7647-14-5<br>EG-Nr. 231-598-3 | not applicable | | | |
| Potassium chloride solution >26.2% | CAS-Nr. 7447-40-7.<br>EG-Nr. 231-211-8 | not applicable | | | |

***Section 4 First-Aid Measures***

*4.1.1 Description of First Aid Measures*
*Lithium chloride dissolved in dH2O*
*General instructions* *no special precautions required*
*after inhalation* *provide fresh air, seek medical attention if symptoms occur.*
*after skin contact* *wash with water*
*after eye contact* *keep eyelids open and rinse with plenty of clean, running water for at least 10 minutes. If eye irritation occurs, consult an eye doctor*
*after swallowing* *rinse mouth with water (only if the affected person is conscious). consult a doctor*
*4.2.1 Most important acute and delayed symptoms and effects* Vomiting, irritation

*4.3.1 Indications for medical emergency assistance or specialized treatment* *none*

*4.1.2 Description of first aid measures*
*Potassium nitrate dissolved in dH2O*
*General instructions* *no special precautions required*
*after skin* *contact rinse immediately with water, seek medical advice in case of skin irritation, remove contaminated clothing.*

| | |
|---|---|
| *after eye contact* | *rinse immediately and thoroughly with eye wash or water. If contact lenses are present, remove them if possible. Continue rinsing. In case of eye irritati on, consult an eye doctor.* |
| *after swallowing* | *rinse mouth immediately and drink plenty of water, and seek medical attention immediately.* |

*4.2.2 Most important acute and delayed symptoms and effectsirritating effects* nausea, vomiting, methemo globinemia

*4.3.2 Indications for medical immediate assistance or specialized treatment* none

*4.1.3 Description of first aid measures*
*Potassium carbonate dissolved in dH2O*

| | |
|---|---|
| *General instructions* | *no special precautions required* |
| *after inhalation* | *fresh air supply* |
| *after skin contact* | *rinse immediately with water, remove contaminated clothing immediately* |
| *after eye contact* | *gently rinse eyes with water* |
| *after swallowing* | *rinse mouth immediately and drink plenty of water. Consult a doctor immediate ly.* |

*4.2.3 Most important acute and delayed symptoms and effects* nausea, irritation, vomiting, coughing, shortness of breath

*4.3.3 Notes on immediate medical assistance or specialized treatment* none

*4.1.4 Description of first aid measures*
*Magnesium chloride hexahydrate dissolved in dH2O*

| | |
|---|---|
| *General instructions* | *no special precautions required* |
| *after inhalation* | *supply fresh air* |
| *after skin contact* | *wash skin with water* |
| *after eye contact* | *gently rinse eyes with water* |
| *after swallowing* | *rinse mouth, seek medical advice if feeling unwell* |

*4.2.4 Most important acute and delayed symptoms and effects* unknown

*4.3.4 Indications for immediate medical assistance or specialized treatment* none

*4.1.5 Description of first aid measures*
*Sodium chloride dissolved in dH2O*

| | |
|---|---|
| *General instructions* | *no special precautions required* |
| *after inhalation* | *supply fresh air* |
| *after skin contact* | *brush off loose particles from the skin* |
| *after eye contact* | *rinse eyes gently with water* |
| *after ingestion* | *rinse mouth, seek medical attention if feeling unwell* |

*4.2.5 Most important acute and delayed symptoms and effects* unknown

*4.3.5 Indications for immediate medical attention or specialized treatment* none

*4.1.6 Description of first aid measures*
*Potassium chloride dissolved in dH2O*

| | |
|---|---|
| *General instructions* | *no special precautions required* |
| *after inhalation* | *provide fresh air supply, seek medical assistance immediately in case of irre gular breathing and initiate first aid measures* |
| *after skin contact* | *wash with water and soap* |
| *after eye contact* | *keep eyelids open and rinse for at least 10 minutes with water* |
| *after swallowing* | *rinse mouth (only if the affected person is conscious). DO NOT induce vomiting.* |

*4.2.6 Most important acute and delayed symptoms and effects* unknown

*4.3.6 Indications for urgent medical assistance or specialized treatment* none

***Section 5: Firefighting Measures***

*5.1 Fire Extinguishing Agents*

Coordinate extinguishing measures with the environment! Water, foam, alcohol-resistant foam, dry extinguishing powder. Unsuitable extinguishing agents: water in full jet.

*5.2 Special Hazards Arising from the Substance or Mixture* - Non-flammable.

*5.3 Instructions for Firefighting*

Firefighting with usual precautions. Do not inhale explosive and flammable gases.

***Section 6: Measures in case of unintended release***

*6.1 Personal precautions, protective equipment and procedures to be followed in case of emergencies*

No special measures required.

*6.2 Environmental protection measures*

Prevent entry into the sewage system or into surface and ground waters. Retain and dispose of contaminated wash water.

*6.3 Methods and materials for containment and cleaning*

Guidelines on how spilled materials can be prevented from spreading.Do not allow to enter drainage systems. Collect mechanically. Place in suitable containers for disposal.

*6.4 Reference to other sections*

Hazardous combustion products: see Section 5
Personal protective equipment: see Section 8
Incompatible materials: see Section 10
Disposal information: see Section 13.

***Section 7: Handling and Storage***

*7.1 Protective Measures for Safe Handling*

No special precautionary measures are required.

*Guidelines for general workplace hygiene:* Keep away from food, beverages, and animal feed.

*7.2 Conditions for Safe Storage Considering Intolerances*

Store in a dry place.

*- Incompatible substances or mixtures*

Observe storage instructions. See also TRGS 510 (Germany). Incompatible materials: see section 10

*- Consideration of other information:*

Special requirements for storage rooms or containers
Recommended storage temperature: 15 – 25 °C

*Storage of hazardous substances in portable containers (TRGS 510) (Germany)*

Storage class (LGK): 12 (non-combustible liquids)

*7.3 Specific end uses*

No information is available.

***Section 8: Limitation and Monitoring of Exposure/Personal Protective Equipment***

*8.1 Parameters to be monitored*

National Limit Values
*Limit values for occupational exposure (occupational exposure limits):* No information available.

*Values relevant for the environment*

*Lithium chloride - relevant PNEC and other threshold values*

| Endpoint | Threshold | Value Organism | Environmental Compartment | Exposure Duration |
|---|---|---|---|---|
| PNEC | 010.40 mg/l | Aquatic organisms | Freshwater | short-term (single) |
| PNEC | 001.04 mg/l | Aquatic organisms | Marine water | short-term (single) |
| PNEC | 140.20 mg/l | Aquatic organisms | Wastewater treatment plant (STP) | short-term (single) |
| PNEC | 270.00 mg/kg | Aquatic organisms | Freshwater sediment | short-term (single) |
| PNEC | 027.00 mg/kg | Aquatic organisms | Marine sediment | short-term (single) |
| PNEC | 049.95 mg/kg | Terrestrial organisms | Soil | short-term (single) |

*Potassium nitrate - relevant PNEC and other threshold values*

| Endpoint | Threshold | Value Organism | Environmental Compartment | Exposure Duration |
|---|---|---|---|---|
| PNEC | 018.00 mg/l | Aquatic organisms | Wastewater treatment plant (STP) | short-term (single) |

*Magnesium chloride hexahydrate - relevant PNEC and other threshold values*

| Endpoint | Threshold | Value Organism | Environmental Compartment | Exposure Duration |
|---|---|---|---|---|
| PNEC | 003,21 mg/l | Aquatic organisms | Freshwater | short-term (single) |
| PNEC | 000,32 mg/l | Aquatic organisms | Marine water | short-term (single) |
| PNEC | 090,00 mg/l | Aquatic organisms | Wastewater treatment plant (STP) | short-term (single) |
| PNEC | 288,90 mg/kg | Aquatic organisms | Freshwater sediment | short-term (single) |
| PNEC | 028,89 mg/kg | Aquatic organisms | Marine sediment | short-term (single) |
| PNEC | 662,82 mg/kg | Terrestrial organisms | Soil | short-term (single) |

*Sodium chloride – relevant PNEC and other threshold values*

| Endpoint | Threshold | Value Organism | Environmental Compartment | Exposure Duration |
|---|---|---|---|---|
| PNEC | 005,00 mg/l | Aquatic organisms | Freshwater | short-term (single) |
| PNEC | 500,00 mg/l | Aquatic organisms | Wastewater treatment plant (STP) | short-term (single) |
| PNEC | 004,86 mg/kg | Terrestrial organisms | Soil | short-term (single) |

*Potassium chloride – relevant PNEC and other threshold values*

| Endpoint | Threshold | Value Organism | Environmental Compartment | Exposure Duration |
|---|---|---|---|---|
| PNEC | 000,10 mg/l | Aquatic organisms | Freshwater | short-term (single) |
| PNEC | 000,10 mg/l | Aquatic organisms | Marine water | short-term (single) |
| PNEC | 010,00 mg/kg | Terrestrial organisms | Soil | short-term (single) |

*8.2 Limitation and Monitoring of Exposure*

- Individual protective measures (personal protective equipment)

| | |
|---|---|
| Eye and face protection | not required |
| Skin protection | not required |
| Hand protection | not required |
| Respiratory protection | not required |

- Limitation and monitoring of environmental exposure

Prevent entry into the sewage system or into surface and groundwater.

## *SECTION 9: Physical and Chemical Properties*

*9.1 Information on the Basic Physical and Chemical Properties*

*All Salts*

| | |
|---|---|
| State of aggregation | solid/liquid |
| Color | white/colorless |
| Odor | odorless |
| Melting point/freezing point | not determined |
| Boiling point or boiling beginning and boiling range | not determined |
| Flammability | non-flammable |
| Lower and upper explosion limit | not determined |
| Flash point | not determined |
| Ignition temperature | not determined |
| Decomposition temperature | not determined |
| pH value | not determined |
| Kinematic viscosity | not determined |
| Solubility(ies) | reacts with water/soluble in water |
| Distribution coefficient | not determined |
| Density | not determined |
| Relative vapor density | not determined |
| Particle properties | not determined |

*9.2 Other Information*

| | |
|---|---|
| Information on Physical Hazard Classes | |
| - Hazard classes according to GHS (physical hazards): | not relevant |
| - Other safety-related parameters: | no additional information is available. |

## *SECTION 10: Stability and Reactivity*

| | |
|---|---|
| *10.1 Reactivity* | unknown |

*10.2 Chemical Stability*

The material is stable under normal environmental conditions and under the temperature and pressure conditions expected during storage and handling.

| | |
|---|---|
| *10.3 Possibility of hazardous reactions* | unknown |
| *10.4 Conditions to avoid* | unknown |
| *10.5 Incompatible materials* | flammable materials |
| *10.6 Hazardous decomposition products* | Hazardous combustion products: see Section 5. |

***SECTION 11: Toxicological Information***

*11.1 Information on Hazard Classes in accordance with Regulation (EC) No. 1272/2008 Classification according to GHS (1272/2008/EC, CLP)*

*Lithium Chloride, Potassium Carbonate, Sodium Chloride, Potassium Chloride, [dissolved in dH2O]*

| | |
|---|---|
| - Corrosive/Irritant Effects on Skin | Causes skin irritation. |
| - Serious Eye Damage/Eye Irritation | Causes serious eye irritation. |

*Potassium Nitrate, Magnesium Chloride Hexahydrate, dissolved in dH2O*

| | |
|---|---|
| - Corrosive/Irritant Effects on Skin | Not classified as corrosive/irritant to skin. |
| - Serious Eye Damage/Eye Irritation | Not classified as seriously damaging to eyes or eye irritant. |

*All*

| | |
|---|---|
| - Sensitization of the Respiratory Tract or Skin | Not classified as an inhalation or skin allergen. |
| - Germ Cell Mutagenicity | Not classified as a germ cell mutagen (mutagenic). |
| - Carcinogenicity | Not classified as carcinogenic. |
| - Reproductive Toxicity | Not classified as reproductive toxic. |
| - Specific target organ toxicity | |
| upon single exposure | is not to be classified as specific target organ toxic. |
| repeated exposure | is not to be classified as specific target organ toxic. |
| - Aspiration hazard | is not to be classified as an aspiration hazard. |
| - Endocrine disruptor with effect on human health | is not classified as an endocrine disruptor with effect on human health. |

*11.2 Endocrine damaging properties*
Does not contain an endocrine disruptor (ED) in a concentration of ≥ 0.1%

*11.3 Information on other hazards*
There is no additional information available.

***SECTION 12: Environmental Information***

*12.1 Information on Other Hazards*

| | |
|---|---|
| - According to 1272/2008/EC: | Not classified as hazardous to water. |
| - Ordinance on Facilities for the Handling of Water Hazardous Substances (AwSV): | |
| Water hazard class (WGK): w 1, slightly hazardous to water (Germany) | No data available. |

| | |
|---|---|
| *12.1 Persistence and Degradability* | No data available. |
| *12.3 Bioaccumulation Potential* | No data available. |
| *12.4 Mobility in Soil* | No data available. |

*12.5 Results of PBT and vPvB Assessment*
According to its assessment results, this substance is neither a PBT nor a vPvB substance.

*12.6 Endocrine Disrupting Properties*
Does not contain an endocrine disruptor (ED) in a concentration of ≥ 0.1%.

| | |
|---|---|
| *12.7 Other Harmful Effects* | No data available. |

***SECTION 13: Disposal Instructions***

*13.1 Waste Treatment Procedures*
This product and its container must be disposed of as hazardous waste. Dispose of contents/container in accordance with local/regional/national/international disposal regulations.

| | |
|---|---|
| - Relevant information for wastewater disposal | Do not allow to enter the sewage system. |
| - Waste handling of containers/packaging | Contaminated packaging should be treated like the substance. Completely emptied containers may be recycled. |

*13.2 Relevant legal regulations on waste*
The assignment of waste key numbers/waste designations must be carried out according to EAKV industry and process-specific.
Waste Directory Regulation (AVV replaces the EAK regulation/European Waste Catalog Regulation).

| | |
|---|---|
| - Hazardous properties of the waste | no information. |

*13.3 Remarks*
Waste must be separated in such a way that it can be treated separately by municipal or national waste disposal facilities. Please observe the relevant national or regional regulations. Non-contaminated and emptied packaging can be recycled.

***SECTION 14: Transport Information***

| | |
|---|---|
| *14.1 UN number or ID number* | is not subject to transport regulations |
| *14.2 Proper UN shipping name* | not relevant |
| *14.3 Transport hazard classes* | none |
| *14.4 Packaging group* | not assigned |
| *14.5 Environmental hazards not hazardous to the environment* | according to the hazardous goods regulations |
| *14.6 Special precautions for the user* | no additional information is available. |
| *14.7 Bulk transport by sea according to IMO instruments* | the cargo is not transported as bulk goods. |

*14.8 Information according to the individual UN model regulations*

- Transport of dangerous goods by road, rail or inland waterways (ADR/RID/ADN)
  *Additional information* Not subject to the regulations of the ADR, RID and ADN.
- International Code for the Transport of Dangerous Goods by Sea (IMDG)
  *Additional information* Not subject to the IMDG regulations.
- International Civil Aviation Organization (ICAO-IATA/DGR)
  *Additional information* Not subject to the regulations of ICAO-IATA

***SECTION 15: Legal Provisions***

*15.1 Regulations on safety, health, and environmental protection/specific legal provisions for the substance or mixture*

Relevant provisions of the European Union (EU)

Restrictions under REACH, Annex XVII not listed

*- List of substances subject to authorization (REACH, Annex XIV)/SVHC – Candidate List*

| Designation | REACH Reg. No. |
|---|---|
| Sodium chloride, potassium chloride without lithium chloride | 01-2119560574-35-xxxx |
| Potassium nitrate | 01-2119488224-35-xxxx |
| Potassium carbonate | 01-2119532646-36-xxxx |
| Magnesium chloride hexahydrate | 01-2119485597-36-xxxx |

- Directive on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS) not listed
- Regulation on the establishment of a European Pollutant Release and Transfer Register (PRTR) not listed
- Water Framework Directive (WFD)
  Lithium chloride listed in a) (Non-exhaustive list of the most important pollutants)
- Regulation on the marketing and use of precursors for explosives not listed
- Regulation concerning drug precursors not listed
- Regulation on substances that lead to the depletion of the ozone layer (ODS) not listed
- Regulation on the import and export of hazardous chemicals (PIC) not listed
- Regulation on persistent organic pollutants (POP) not listed
- National regulations (Germany)
  - Regulation on facilities for handling substances hazardous to water (AwSV) Water hazard class (WGK): 1 (slightly hazardous to water)

*Lithium chloride solution, potassium nitrate solution, potassium carbonate solution, magnesium chloride hexahydrate solution, sodium chloride solution, potassium chloride solution.*

| Country | Directory | Status |
|---|---|---|
| AU | AIIC | no data available |
| CA | DSL | no data available |
| CN | IECSC | no data available |
| EU | ECSI | no data available |
| EU | REACH Reg | no data available |
| JP | CSCL-ENCS | no data available |
| KR | KECI | no data available |
| MX | INSQ | no data available |
| NZ | NZIoC | no data available |
| PH | PICCS | no data available |
| TR | CICR | no data available |
| TW | TCSI | no data available |
| US | TSCA | no data available |
| VN | NCI | no data available |

Legend

| | |
|---|---|
| AIIC | Australian Inventory of Industrial Chemicals |
| CICR | Chemical Inventory and Control Regulation |
| CSCL-ENCS | List of Existing and New Chemical Substances (CSCL-ENCS) |
| DSL | Domestic Substances List (DSL) |
| ECSI EG | Substance List (EINECS, ELINCS, NLP) |
| IECSC | Inventory of Existing Chemical Substances Produced or Imported in China |
| INSQ | National Inventory of Chemical Substances |
| KECI | Korea Existing Chemicals Inventory |
| NCI | National Chemical Inventor |
| NZIoC | New Zealand Inventory of Chemicals |
| PICCS | Philippine Inventory of Chemicals and Chemical Substances (PICCS) |
| REACH Reg. | REACH registered substances |
| TCSI | Taiwan Chemical Substance Inventory |
| TSCA | Toxic Substance Control Act |

*15.2 Substance safety assessment* not conducted

***SECTION 16: Other Information***

*Abbreviations and Acronyms*

| | |
|---|---|
| *Abbr.* | *Description of the abbreviations used* |
| *ADN* | *European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways* |
| *ADR* | *European Agreement concerning the International Carriage of Dangerous Goods by Road* |
| *AVV* | *Regulation on the European Waste List* |
| *CAS* | *Chemical Abstracts Service (database of chemical compounds and their unique identifier, the CAS Registry Number)* |
| *CLP* | *Regulation (EC) No. 1272/2008 on classification, labeling and packaging (Classification, Labelling and Packaging) of substances and mixtures* |
| *EAK* | *European Waste Catalog* |
| *EAKV* | *Regulation on the introduction of the European Waste Catalog* |
| *EG-No.* | *The EC Registry (EINECS, ELINCS, and the NLP index) is the source for the seven-digit EC number as an identifier for substances in the EU (European Union)* |
| *EINECS* | *European Inventory of Existing Commercial Chemical Substances* |
| *ELINCS* | *European List of Notified Chemical Substances* |
| *GHS* | *Globally Harmonized System of Classification and Labelling of Chemicals, which was developed by the United Nations* |
| *IATA* | *International Air Transport Association* |
| *IATA/DGR* | *Dangerous Goods Regulations (DGR) for air transport (IATA)* |
| *ICAO* | *International Civil Aviation Organization.* |
| *IMDG* | *International Maritime Dangerous Goods Code (International Code for the Transport of Dangerous Goods by Sea)* |
| *K* | *Hazard Category - subdivision according to criteria within individual hazard classes to indicate the severity of the hazard* |
| *PBT* | *Persistent, Bioaccumulative and Toxic* |
| *PNEC* | *Predicted No-Effect Concentration* |
| *REACH* | *Registration, Evaluation, Authorisation and Restriction of Chemicals* |
| *RID* | *Regulation concerning the International Railway Transport of Dangerous Goods* |
| *SVHC* | *Substance of Very High Concern* |
| *TRGS* | *Technical Rules for Hazardous Substances (Germany)* |
| *UN / ID-No.* | *four-digit number that contains the correct designation of the goods* |
| *vPvB* | *very Persistent and very Bioaccumulative.* |

*Disclaimer - The information provided is based on our current knowledge.*