

SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006 as amended by Regulation (EU) 2020/878

Prepared: 15 October 2026 | Version 1.0**PYROKONTROL® Isotonic Sodium Chloride Solution 0.9%****SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**

Trade name: 1715165 PYROKONTROL® Isotonic Sodium Chloride Solution (NaCl 0.9%), 100 mL

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

Use of the substance/mixture: Laboratory reagent

Uses advised against: Any use other than the intended uses.

1.3 Details of the supplier of the safety data sheet**Manufacturer:**

Company name: ACILA AG
Street: Opelstrasse 14
Place: D - 64546 Moerfelden-Walldorf
Telephone: +49 (0) 6105930125
Email: sdb@acila.de

1.4 Emergency telephone number

For medical emergencies in Germany:

Poison Information Centre Mainz (24-hour service)

Telephone: +49 6131 19240

For medical emergencies outside Germany, please contact the local poison information centre or emergency medical services.

SECTION 2: Hazards identification**2.1 Classification according to Regulation (EC) No 1272/2008 (CLP)**

The mixture is not classified as hazardous.

2.2 Label elements

No labelling required.

2.3 Other hazards

No hazardous reactions are known under normal conditions of use.

Based on the available information, sodium chloride and water are not known to exhibit PBT or vPvB properties. There is no indication that the mixture contains endocrine-disrupting components at relevant concentrations.

SECTION 3: Composition/information on ingredients

Substance	CAS No.	EC No.	Content
Sodium chloride	7647-14-5	231-598-3	0.9%
Water	7732-18-5	231-791-2	99.1%

Note: The water complies with the internal specification for reverse osmosis (RO) water.

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3.2 Mixtures

Aqueous sodium chloride solution; for composition, see the table above. No components classified as hazardous under the CLP Regulation are known to be present at concentrations requiring disclosure.

SECTION 4: First aid measures

4.1 Description of first aid measures

Inhalation

No special measures required.

Skin contact

Wash with water.

Eye contact

Rinse thoroughly with water.

Ingestion

Rinse mouth.

Seek medical advice if feeling unwell.

4.2 Most important symptoms and effects, both acute and delayed

No specific acute or delayed symptoms are known. Seek medical advice if symptoms persist.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media:

Water

Foam

CO₂

Dry powder

5.2 Special hazards arising from the substance or mixture

The mixture is not flammable. Firefighting measures should be adapted to the surrounding fire.

5.3 Advice for firefighters

In the event of a surrounding fire, use appropriate protective equipment, including self-contained breathing apparatus if necessary.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Spilled liquid may create a slip hazard.

6.2 Environmental precautions

No special measures required.

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Absorb with suitable absorbent material.

Clean the affected area with water afterwards.

6.4 Reference to other sections

See Sections 8 and 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid contamination during handling; observe standard laboratory hygiene practices.

Follow good laboratory practice.

7.2 Conditions for safe storage, including any incompatibilities**Storage:**

Keep tightly closed

Keep clean

Protect from contamination

Recommended storage temperature:

15 °C to 25 °C

7.3 Specific end use(s)

Laboratory and process applications.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

No relevant occupational exposure limits have been established for the components.

8.2 Exposure controls**Appropriate engineering controls**

Ensure adequate general ventilation.

General protective and hygiene measures

Wash hands before breaks and after finishing work. Do not eat, drink or smoke while working.

Eye protection

Wear safety goggles if splashing is possible.

Hand protection

Normally not required under standard handling conditions. In case of prolonged or repeated skin contact, wear suitable protective gloves based on the workplace risk assessment.

Body protection

Standard laboratory clothing.

Respiratory protection

Not required.

Environmental exposure controls

Avoid large-scale releases. Comply with local disposal regulations.

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SECTION 9: Physical and chemical properties

Property	Value
Physical state	Liquid
Colour	Colourless
Odour	Odourless
pH	5.0–7.5
Melting/freezing point	approx. -0.5 °C
Boiling point	approx. 100 °C
Density (20 °C)	approx. 1.005 g/cm ³
Water solubility	Completely miscible
Explosive properties	None
Oxidising properties	None

9.1 Additional physical and chemical properties

Flammability: Non-flammable (aqueous solution).**Flash point:** Not applicable to this aqueous, non-flammable solution.**Lower/upper explosion limits:** Not applicable.**Auto-ignition temperature:** Not applicable.**Decomposition temperature:** No product-specific data available.**Kinematic viscosity:** Not determined.**Vapour pressure:** Not determined.**Partition coefficient n-octanol/water:** Not determined for the mixture.**Relative vapour density:** Not determined.**Particle characteristics:** Not applicable (liquid).

9.2 Other information

No further product-specific safety-related parameters are available.

Note: The pH value, density, freezing point and storage conditions are based on the previous ACILA draft and must be confirmed against the internal product specification.

SECTION 10: Stability and reactivity

10.1 Reactivity

No hazardous reactions known.

10.2 Chemical stability

Stable under the recommended storage conditions.

10.3 Possibility of hazardous reactions

None known.

10.4 Conditions to avoid

None known.

10.5 Incompatible materials

None known.

10.6 Hazardous decomposition products

None known.

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SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No. 1272/2008**Acute toxicity**

Not classified.

Skin corrosion/irritation

Not classified.

Serious eye damage/eye irritation

Not classified.

Sensitisation

Not classified.

Carcinogenicity

No evidence known.

Mutagenicity

No evidence known.

Reproductive toxicity

No evidence known.

Specific target organ toxicity – single exposure (STOT SE)

Based on the available information, not classified.

Specific target organ toxicity – repeated exposure (STOT RE)

Based on the available information, not classified.

Aspiration hazard

Based on the available information, not classified.

SECTION 12: Ecological information

12.1 Toxicity

No harmful effects known.

12.2 Persistence and degradability

Biodegradability is not applicable to inorganic substances such as sodium chloride. No further data are available for the mixture.

12.3 Bioaccumulative potential

Not expected.

12.4 Mobility in soil

High mobility due to complete miscibility with water.

12.5 Results of PBT and vPvB assessment

Not applicable.

12.6 Endocrine disrupting properties

None known.

12.7 Other adverse effects

None known.

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SECTION 13: Disposal considerations

Product

Dispose of in accordance with applicable local regulations and requirements of the competent authorities. The appropriate waste code must be determined based on the origin and use of the waste.

Discharge into the sewer system is only permitted where allowed under local discharge requirements.

Contaminated solutions must be assessed separately.

Packaging

Completely emptied packaging should be sent for recycling.

SECTION 14: Transport information

14.1 UN number or ID number: Not applicable (not classified as dangerous goods under ADR/RID, ADN, IMDG or IATA).

14.2 UN proper shipping name: Not applicable.

14.3 Transport hazard class(es): Not applicable.

14.4 Packing group: Not applicable.

14.5 Environmental hazards: Not classified as environmentally hazardous dangerous goods.

14.6 Special precautions for user: Standard precautions to prevent leakage and spillage.

14.7 Maritime transport in bulk according to IMO instruments: Not applicable.

SECTION 15: Regulatory information

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

The mixture is not classified as hazardous under Regulation (EC) No 1272/2008 (CLP).

No labelling required.

No specific restrictions known.

15.2 Chemical safety assessment

No chemical safety assessment has been carried out for this mixture.

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SECTION 16: Other information**Abbreviations**

REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals

CLP = Classification, Labelling and Packaging

PBT = Persistent, Bioaccumulative and Toxic

vPvB = very Persistent and very Bioaccumulative

Additional information

The information provided in this safety data sheet is intended to describe the product with regard to the necessary safety precautions. It does not constitute a guarantee of specific product properties and is based on our current state of knowledge.

Revision information

Version 1.0 – Initial issue. No previous version of this safety data sheet exists.