

SAFETY DATA SHEET K1500GG / K1520VN

According to 1907/2006/EC, article 31 of the EU REACH Regulation

1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

- 1.1 Product identifier** Electrolyte(s): K1500GG / K1520VN
1.2 Relevant identified uses of the substance or mixture and uses advised against
Professional use, Laboratory chemicals
1.3 Details of the supplier of the safety data sheet
Company: Yokogawa Process Analyzers Europe B.V.
Euroweg 2
3825 HD Amersfoort, The Netherlands
Phone: +31 (0)88 4641000
E-mail: info@yokogawa.com
www.yokogawa.com/eu
1.4 Emergency phone: +31 (0)88 4641000

2. HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture**
Classification (EC 1272/2008):
- Physical and chemical hazards: not classified
- Human health: not classified
- Environment: not classified
2.2 Label elements
Label in accordance with (EC) No. 1272/2008 No pictogram required.
2.3 Other hazards
This product does not contain any PBT or vPvB substances.

3. COMPOSITION/INFORMATION ON INGREDIENTS

This product is not classified according to Regulation (EC) No.1272/2008 [CLP/GHS]

- 3.1 Substances** Not applicable
3.2 Mixtures

Components	Content	EINECS nr.	CAS nr.	Reach registration number
Potassium Chloride (≥99.5%, p.a., ACS, ISO)	<40%	231-211-8	7447-40-7	Not available
Hydroxy Ethyl Cellulose	<10%	polymer	009004-62-0	Not available
Water	±50%	231-791-2	7732-18-5	Not available

4. FIRST AID MEASURES

- 4.1 Description of first aid measures**
After inhalation: Not applicable.
After skin contact: Wash with water.
After eye contact: Rinse opened eye for several minutes under running water.
After swallowing: Rinse out mouth and then drink plenty of water. In case of persistent symptoms consult doctor.
4.2. Most important symptoms and effects, both acute and delayed
No additional information available
4.3. Indication of any immediate medical attention and special treatment needed
Treat symptomatically.

5. FIRE-FIGHTING MEASURES

- 5.1 Extinguishing media:** Water, CO₂, foam, powder.
5.2 Special hazards arising from the substance or mixture
Special risks: When water is evaporated the remaining potassium chloride may result in toxic fumes.
Combustion products, resulting gases: KCl-solutions are not combustible.
Protective equipment: Self-contained breathing apparatus.
5.3 Advice for firefighters
Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus.
Complete protective clothing.

6. ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions**
6.1.1 For non-emergency personnel Avoid contact with skin and eyes.
6.1.2. For emergency responders Avoid contact with skin and eyes.
6.2. Environmental precautions Avoid release to the environment.
6.3. Methods and material for containment and cleaning up
Take up with liquid absorbing material. Forward for disposal rinse or clean with water.
6.4. Reference to other sections For further information refer to section 13.

7. HANDLING AND STORAGE

- 7.1. Precautions for safe handling** Ensure good ventilation of the workstation.
Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
7.2. Conditions for safe storage, including any incompatibilities

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Store in closed container. No specific instructions are required when mixture is contained in sensor (and connected reservoir).

7.3. Specific end use(s)

Laboratory use. Industrial use in reference- and pH-sensors and connected reservoirs.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

No specific requirements are applicable.

8.2. Exposure controls

8.2.1 Appropriate engineering controls

No specific requirements are applicable.

8.2.2 Individual protection measures, such as personal protective equipment

No specific requirements are applicable.

8.2.3 Environmental exposure controls

Avoid release to the environment.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Smell	Odorless.
pH	4-8.
Boiling point/boiling range	100° - 108°C.
Solubility in water	100 % soluble.
Relative density	1.0 – 1.4 kg/L.
Other	Not applicable.

9.2. Other information

Not applicable.

10. STABILITY AND REACTIVITY

10.1 Reactivity

None under recommended storage and handling conditions (see section 7).

10.2 Chemical stability

Stable under recommended storage and handling conditions (see section 7).

10.3 Possibility of hazardous reactions

None under recommended storage and handling conditions (see section 7).

10.4 Conditions to avoid

No particular information available.

10.5 Incompatible materials

Corrosive to metals.

10.6 Hazardous decomposition products

None.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity:	Acute toxicity of pure 100% potassium chloride: LD50 (oral, rat): 2600 mg/kg.
Primary effect on the skin and eye:	Possible irritation.
After swallowing:	Swallowing large amounts may result in nausea, vomiting and cardiovascular disorders.
Additional toxicological information:	When used and handled according to specifications, the product does not have any harmful effects.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

No ecological problems are to be expected when the product is handled and used with due care and attention.

12.2 Persistence and degradability

Not applicable.

12.3 Bioaccumulative potential

Not applicable.

12.4 Mobility in soil

Not applicable.

12.5 Results of PBT and vPvB assessment

Not applicable.

12.6 Other adverse effects

None.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Dispose mixture/container, contaminated wipes, absorbing materials and residual product material according to regulations. No sewage disposal.

14. TRANSPORT INFORMATION

Non-hazardous material. Not subject to transport regulations.

15. REGULATORY INFORMATION

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

Danger classification:	Not applicable.
List of relevant Risk phrases:	Not applicable.
List of relevant Safety phrases:	Not applicable.
Designation according to EC guidelines:	The material is not subject to classification according to regulation EC 1272/ 2008 (CLP) Observe the normal safety regulations when handling chemicals.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

16. OTHER INFORMATION

16.1 Indication of changes

Revised on 11th November 2022: Update revision date. Add grades to components.

16.2 Further information

The above information is based on the present state of knowledge and is believed to be correct. Its purpose is to characterize the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

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