



SECTION 1 – IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product Formal Name	γNACL0.9
Product Form	Mixture
Product Use	For research purpose only
Manufacturer	VITROMED GmbH – Raiffeisenstr. 15a - 40764 Langenfeld-Germany
For Emergency Assistance	Phone +49-2173-2004130 Mail support@vitromed.com

SECTION 2 – HAZARDS IDENTIFICATION

Regulation (EC) No 1272/2008	Not a hazardous substance or mixture
Potential Acute Health Effects	Not available
Potential Chronic Health Effects	Not available

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

γNACL0.9 does not contain any raw materials with direct animal-origin or materials that have been produced using animal-origin components. Components have not been in contact with material with animal origin during processing and therefore pose no TSE risk. No components need to be disclosed according to the applicable regulations.

SECTION 4 – FIRST AID MEASURES

Inhalation	Not considered an inhalation hazard. Move to environment with fresh air if discomfort occurs.
Eyes	Rinse cautiously with water if the solution causes discomfort.
Skin	Wash after each contact. Remove contaminated clothing. Seek medical advice if irritation develops.
Ingestion	Wash mouth with water. Do not induce vomiting unless instructed by medical personnel. Call a physician, if any discomfort occurs.

SECTION 5 – FIREFIGHTING MEASURES

Extinguishing Media	Water spray, carbon dioxide, dry chemical powder or appropriate foam. For this substance/mixture no limitations of extinguishing agents are given.
Special Firefighting Procedure	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
Unusual Fire and Explosion Hazards	Fire may cause evolution of: Hydrogen chloride gas, Oxides of phosphorus. Development of hazardous combustion gases or vapours possible in the event of fire.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions	Avoid contact with skin, eyes and clothing.
Environmental Precautions	No special environmental precautions required.
Methods for Cleaning Up	Rinse spill area with water. Dispose with laboratory waste.

SECTION 7 – HANDLING AND STORAGE

Handling	Refer Section 8.
Storage	Ambient, where a range is requested 0-50°C. Do not freeze before use. Keep the product in the original packaging or shield from light while not in use. Do not use after expiry date. Keep away from direct sunlight.
Specific Use	See instructions for use delivered with the device. For research purpose only.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Controls (Occupational)	Avoid contact with skin, eyes and clothing. Avoid inhalation. Avoid mouth pipetting.
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SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

VNACL0.9

Safety Data Sheet

Appearance and Odor	VNACL0.9 - Transparent liquid, odorless
pH	Not available
Boiling Point	Not available
Flash Point	Not available
Flammability	Non-flammable
Explosive Properties	Not available
Oxidizing Properties	Not available
Vapor Pressure	Not available
Relative density	Not available
Solubility	Highly soluble in water
Solubility in Water	complete
Viscosity	Not available
Evaporation Rate	Not available

SECTION 10 – STABILITY AND REACTIVITY

Stability	Stable
Conditions to Avoid	Avoid contaminations, direct sunlight, extremely high or low temperatures.
Materials to Avoid	Strong acids and bases.
Hazardous Decomposition Products	None

SECTION 11 – TOXICOLOGICAL INFORMATION

Not expected to present acute or chronic toxicity under intended conditions of use. No known sensitizing, mutagenic, carcinogenic, or reproductive effects.

SECTION 12 – ECOLOGICAL INFORMATION

No significant environmental hazards expected. Product is water soluble and not considered hazardous to aquatic organisms at intended concentrations.

SECTION 13 – DISPOSAL CONSIDERATIONS

Dispose in a safe manner in accordance to with local and national regulations and avoid release to the environment.

SECTION 14 – TRANSPORT INFORMATION

Not classified as Hazardous for transport.

SECTION 15 – REGULATORY INFORMATION

This product does not contain any ingredients which have been determined to be health hazardous pursuant to U.S. OSHA regulations, and which comprise 1 % or more (0.1 % for carcinogens) of the mixture.

This product is for research purpose only.

SECTION 16 – OTHER INFORMATION

The information contained herein is furnished without warranty of any kind. Users should consider these data only as a supplement to other information gathered by them and must take independent determinations of the suitability and completeness of information from all other sources to assure proper use and disposal of these materials and the safety and health of employees and customers. VITROMED GmbH shall not be held liable for any damage resulting from handling or from contact with its products.