Safety Data Sheet

According to the rules for safety data sheet of the Global Harmonized System (GHS)
Revision Date: 28/12/2019

SECTION 1: IDENTIFICATION OF THE PRODUCT AND COMPANY

Product Name: Water Hardness Calibration Solution
Chemicals Contained: Calmagite Solution
Intended use of the chemicals: Water Hardness Standard Buffer Solution
Supplier Name: APERA Instruments (Europe) GmbH

Wilhelm-Muthmann-Str. 15
42329 Wuppertal, Germany
info@aperainst.de
Tel：0049 202 51988998
Fax：0049 202 51552227

SECTION 2: HAZARD IDENTIFICATION

Non-hazardous product as specified in Directives 67/548/EEC and 1999/45/EC
Non-hazardous product as specified in OSHA regulation 29 CFR 1910.1200

SECTION 3: COMPOSITION AND COMPONENT INFORMATION

%	CHEMICAL NAME(S)
0.02%	Calmagite
99.98%	Water

SECTION 4: FIRST AID MEASURES

After Inhalation: Remove to fresh air. Call a physician if breathing becomes difficult.
After Skin Contact: Wash affected area with water and soap
After Eye Contact: Rinse out with plenty of water for at least 15 minutes. If pain persists, summon medical advice.
After Swallowing: Wash out mouth with plenty of water, provided person is conscious. Obtain medical attention if feeling unwell.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable Extinguishing Media:

Water Spray, Foam, Dry Powder, Carbon Dioxide

Special Risks:

Non-combustible. Development of hazardous combustion gases or vapors possible in the event of fire.

Special Protective Equipment:

Do not stay in dangerous zone without suitable chemical protection clothing and self-contained breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions: None **Environmental Precautions:** None
Additional Notes: None

SECTION 7: HANDLING AND STOAGE

Handling: No Restrictions

Storage: Keep container closed and protected from direct sunlight. Store at room temperature(+15℃to +25℃).

SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering: Maintain general industrial hygiene practice.

Personal Productive Equipment: As appropriate to quantity handled.

Respiratory Protection: Required when vapors/aerosols are generated.

Protective Gloves: Rubber or plastic

Eye Protection: Goggles or face mask

Industrial Hygiene: Change contaminated clothing. Wash hands after working with substance.

SECTION 9: PHYSICAL/CHEMICAL PROPERTIES

Appearance: Colorless liquid Odor: Odorless Specific Gravity: 1.00

Melting Point: NA Boling point: >100℃ Solubility: Soluble

pH: NA Explosion Limit: NA Flash Point: NA

Thermal Decomp. : NA

SECTION 10: STABILITY AND REACTIVITY

Conditions to be avoided: Heating

Hazardous Decomposition Products: See section 5.

Hazardous Polymerization: Will not occur

Substances to be avoided: The generally known reaction partners of water

Further Information: Not available

SECTION 11: TOXICOLOGICAL INFORMATION

Product Toxicity

Quantitative data on the toxicity of this product is not available

Potential Health Effects:

Further Data: Hazardous properties can't be excluded, but are relatively because of the low concentration of the dissolved substances, when the product is handled appropriately. The product should be handled with the usual care when dealing with chemicals.

Component Toxicity

Acute Toxicity: Not Available **Chronic Toxicity:** Not Available **Additional Data:** Not Available

SECTION 12: ECOLOGICAL INFORMATION

Quantitative data on the ecological effect of the product is not available.

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

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal: Can be safely disposed of as ordinary refuse.

SECTION 14: TRANSPORTATION INFORMATION

Land: Not subject to transport regulations

Air: Not subject to transport regulations

Sea: Not subject to transport regulations

SECTION 15: REGULATORY INFORMATION

Labeling according to the rules for the safety data sheet of the Global Harmonized System (GHS)

Non-hazardous according to EC Directives 67/548/EEC

SECTION 16: OTHER INFORMATION

Revision Date: 2019-12-28

Supersedes edition of: MSDS Sheet

Reason for revision: OSHA has set deadlines (by 06/01/2015) for the implementation of the newly required SDS (Safety Data Sheets) replacing the old MSDS (Material Safety Data Sheets).

THE INFORMATION CONTAINED HERENIN IS BASED ON THE PRESENT STATE OF OUR KNOWLEDGE. IT CHARACTERIZES THE PRODUCT WITH REGARD TO THE APPROPRIATE SAFETY PRECAUTIONS. IT DOES NOT REPRESENT A GUARANTEE OF THE PROPERTIES OF THE PRODUCT.