



ThermoClean CP:BT

Ultra Corrosion Protection Concentrate for Water Circulation Systems

Only 1 mL ThermoClean CP:BT for 1 L Water.

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ThermoClean is the original brand name of the Original Equipment Manufacturer (OEM) Bioanalytic GmbH • Germany.

ThermoClean is also sold under many secondary brand names of other Original Sales Manufacturers (OSM) worldwide.

ThermoClean is a series of different products for water circulation systems and humidification devices.

Characteristic

ThermoClean CP:BT is a metal corrosion protection concentrate for water circulation systems (cooling/temperature). It has a particularly effective corrosion protection for multi-metal design (aluminum, copper, brass, bronze, etc.). Economical use: Only 1 mL per liter of circulation water.

We recommend to inquire the technical release by the device manufacturer.

ThermoClean CP:BT contains or is not a biocide product, but is compatible with **ThermoClean DC** (biological stabilization).

Properties

- Highly concentrated: Use only 0.1%, equates to only 1 mL **ThermoClean CP:BT** for 1 liter circulation water! Higher doses are possible but not significantly more effective.
- Prevents or reduces the corrosion ability of water especially on non-ferrous metals (aluminum, copper, brass, bronze).
- Avoids removal of metal material from corrosion.
- Device parts last longer.
- **ThermoClean CP:BT** is compatible with **ThermoClean DC** and **ThermoClean NF** (biological protection against growth of algae, bacteria and fungi).
- **ThermoClean CP:BT** is also compatible with antifreeze additives eg ethylene glycol (1,2-ethanediol). Other antifreeze additives should be tested.
- No foaming, even with strong circulation!
- Suitable for all thermostats and circulators from water-resistant metals or metal alloys, glass or any plastic (where resistance to ethylene glycol).
- Also suitable for closed circulation systems.

Reagent

The Reagents are ready to use with a shelf life at room temperature (+10...+35 °C) until the printed expiry date.

Batch (LOT) and expiration date indicated on the label.

Do not use if reagent contains any precipitates.

Effectiveness

ThermoClean CP:BT is a highly effective corrosion protection, which largely effectively prevents oxidation and corrosion, or reduces to a minimum, even when multi-metal versions of the technical components exist.

But 100% prevention of corrosion can not exist.

ThermoClean CP:BT has a effectiveness life of ≥ 3 months in the cooling water circuit. Then replenish or replace the cooling water.

Risks and Safety

Please observe the necessary precautions for use of laboratory reagents. Applications should be performed by expert personnel only. Follow the national and laboratory internal guidelines for work safety. Wear suitable protective clothing and disposable gloves while handling.



www.sds-id.com



For additional safety information please refer to the information on the label and the corresponding Safety Data Sheet (SDS).

Download by QR-Code or link: www.sds-id.com/100150-1

Notice:

The information on the SDS applies exclusively to the **ThermoClean CP:BT** concentrate. The finished working solution in the water bath/thermostat is no longer classified according to CLP. No SDS is required for this:

Contents/Main Components

002611-...	ThermoClean CP:BT
002611-0100	1× 100 ml ThermoClean CP:BT dropper bottle.
002611-0500	1× 500 ml ThermoClean CP:BT dosage bottle.

CE - Conformity



- **ThermoClean DC** is the first stabilizing concentrate for water circulation systems worldwide with certified CE conformity and complies with RoHS Directive 2011-65-EU.
- **ThermoClean DC** therefore protects the CE certification of your circulation system (device).
- This applies also, if you impose or recommend the use of **ThermoClean DC** for safe and reliable operation of your circulation system.
- **ThermoClean DC** is the agent of choice for all device manufacturers of water cooling systems without ifs and buts!
- Be on the right side with **ThermoClean DC**.

Produktinformation ThermoClean CP:BT

2023-04-24

(en)

002611-PR01

Application

Only 0.1%: Add 1 mL **ThermoClean CP:BT** to 1 liter of water (demineralized) into the cleaned water bath.

For biological protection additionally use **ThermoClean DC** 1 mL/L.

Temperature range

A wide temperature range from (minus) -40 °C up to +85 °C, for short periods up to about 95 °C can be used. Avoid boiling.

ThermoClean CP:BT is compatible with frost protection:

- Ethylenglycol (1,2-Ethandiol)
- Ethanol
- Glycerol

Replenishment

For **ThermoClean CP:BT** we recommend about monthly dosing of 50% = 0.5 mL/L.

Water exchange

Water changes is to be performed when the water is cloudy or all 3... 12 months.

Cloudy water indicates biological contamination. In this case, a cleaning (complete disinfection) and refilling is recommended.

Decontamination

ThermoClean CP:BT is 100% water soluble and can be removed completely by sufficient rinsing with water.

Guarantee

ThermoClean CP:BT does not contain any toxic mercury (quicksilver) or other heavy metal compounds. It also contains no compounds of aluminum, cobalt, copper, iron or zinc.

Notes

This product information exclusively relates to the product described in this leaflet. In particular, this product information cannot be applied to similar reagents from other manufacturers.

Instruction for Use

For professional use only.

To avoid errors, the use of qualified personnel is carried out. National guidelines for work safety and quality assurance must be followed.

The used equipment must comply with the state of technology and the laboratory requirements.

If strong foam is generated with extremely strong rotation, use an additional anti-foaming-solution from Bioanalytic (on request).

Classifications

No biocide.

Support / Information service

For methodological and technical support, please contact us by E-Mail at support@bioanalytic.de.

Periodically check for updates of this product information on our website.

Feedback

Information from users can be reported to support@bioanalytic.de.

Suggestions for further developments will be considered.

Waste Management

Please observe your national laws and regulations.

Used and expired solutions must be disposed of in accordance with your local regulations.

Inside the EU, national regulations apply that are based on the current, amended version of Council directive 67/548/EEG on the approximation of the laws, regulations and administrative provisions relating to the classification, packaging and labelling of dangerous substances.

Decontaminated packaging can be disposed of as household waste or recycled, unless otherwise specified.

Unused Remains

These are usually hazardous wastes that must be recycled or disposed of. After consultation we take back such residual materials in the original container.

Used Circulation Water

Used circulating water containing **ThermoClean CP:BT** in working concentration is usually considered waste water and can be disposed of over your local sewage treatment plant system. Never dispose into the environment untreated!

Ordering Information

Please refer to our document **ThermoClean - Overview & Compatibility** for the combination possibilities and usability of our **ThermoClean** products.

This document also contains detailed ordering information on the product and package sizes.

Download from our Internet pages under all **ThermoClean** products.

Literature & Footnotes

Legends for the graphic symbols and tags used follow relevant norms or are available on our internet pages.