



# CS-CLEANER

## System cleaner for cooling systems

### Description

CS-CLEANER is a neutral system cleaner for use in coolant circuits of machine tools and spindle cooling circuits. Because of an innovative additive without biocides, CS-CLEANER does not fall into the category of biocidal products and can be used around the world without any restrictions.

### Advantages

- free of biocides
- great cleaning effect
- dissolves grease, oil and typical residual sludge
- compatible with plastics, paints and metals
- free of VOCs
- pleasant citrus odor

### Field of application

CS-CLEANER is well suited for removing residual sludge and other contaminants (fungus) in cooling circuits.

### Application

48 hours before replacing the coolant, add 3% (based on system volume) of CS-CLEANER. For heavily contaminated cooling systems, we recommend leaving the CS-CLEANER in the system for as much as 72 hours or adding a biocide.

After adding the system cleaner, machining may continue as usual without interruption.

### To consider before refilling:

- typical residual sludge like solid fungus remains must be removed mechanically.
- drain system completely and clean thoroughly.

### General information:

- applicable for water-miscible coolants only
- do not store below 5°C.

### Typical Technical data

Property	Unit	Tested according to	Value
Color		DIN ISO 2049	bright yellow
Density at 20 °C	g/ml	ASTM D 4052	1.066
pH value			7.9
Flash point	°C		65

Water hazard class: WGK 1

Disposal code: VeVA/EWC 07 06 01

The above information corresponds to the current state of the art. We reserve the right to make changes. The performance characteristics indicated are based on testing and production tolerances standard in this industry. A safety datasheet is available for the product described.

