



### Application

Cimclean PC31-221 is a liquid mild alkaline cleaning compound and corrosion inhibitor used in high-pressure production spray washers. It is intended primarily for use in removing coolants, machining fluids and honing oils from ferrous and non-ferrous metal surfaces.

### Features and benefits

- Cimclean PC31-221 is a non-foaming cleaner. It has been shown to defoam washers contaminated with foaming metal working coolants. Rejects oil leading to enhance washer cleanliness and extend solution life.
- The product is intended for use at concentrations of 2% to 4% by volume, and the pH of working solutions is in the range of 9.0 to 9.5. Cimclean PC31-221 is designed to be effective in a wide temperature range from ambient to 70°C.
- Immediately and completely soluble in cold water. Solutions are not affected by heat and will neither break down nor lose corrosion protection properties in washers operated at elevated temperatures.
- Cimclean PC31-221 chemically imparts corrosion protection to metal surfaces without leaving a visible or tacky film. Produces no films to interfere with gauging. Surfaces cleaned with this product do not exhibit water spots.

### Physical and chemical properties

Appearance:	Clear liquid
Odor:	Mild
Density:	1.100
pH (concentrate):	10.1
pH (operating):	9-9.5
Flash point:	none

## Methods of application

Cimclean PC31-221 is easy to mix, normal stirring only. For automatic mixing, the use of the Cimcool® Mix Master or Cimcool Mix Master S is recommended. Product is also suited for dosing via conductivity. Typical starting water temperature conditions should be 5 - 25°C.

## Recommended starting concentration

General cleaning applications	2 - 4%
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Mix Master S: Concentration\*\* can easily be obtained by setting the regulator to the correct number.

\*\* The concentration may vary depending on local conditions. It is therefore always advised to check using the refractometer or TA Kit.

## Concentration analysis

For concentration analysis, use one of the below given methods or an appropriate laboratory procedure available from your local stockist.

Refractometer factor:	4.3
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If the refractometer is used, the resultant reading multiplied by a factor of 4.3 will only be relevant when applied to a fresh mix.

Cimcool TA kit	Use 2 ml. Mix									*: next syringe
%	1	2	3	4	5	6	7	8	9	10
Reading	0.85	0.72	0.59	0.46	0.33	0.20	0.07	*.95	*.82	*.69

## Handling and storage

Protect from freezing, direct sun and store between 5 - 35°C.

## Packaging type

5, 25, 200, 1000 litre.

## Safety Data Sheet

The Safety Data Sheet should be consulted for specific information and information on Health, Safety and Environment when handling this product.



**Cimcool Industrial Products**  
Schiedamsedijk 20  
3134 KK Vlaardingen  
The Netherlands  
Tel: +31 (0)10-4600660  
cimcool.eu@duboischchemicals.com  
[www.cimcool.com](http://www.cimcool.com)

