

## Biocide treatment

### 1 General description

Ardrox<sup>®</sup> 9200 is a biocide and fungicide incorporating a cyclic, amino-based compound and has a distinctive odor.

Ardrox<sup>®</sup> 9200 is primarily intended to prevent and control the growth of bacteria, fungus, yeasts, etc. in carbon filter systems used in penetrant testing application lines. It acts as a protecting agent in cooling and process systems.

Ardrox<sup>®</sup> 9200 is designed only for industrial use and application.

### 2 Chemicals required and technical information

Property	Ardrox <sup>®</sup> 9200
Appearance	Clear colorless to pale straw, homogeneous liquid
Density	1,0 g/ml at 20 °C (68 °F)

These are typical values only and do not constitute a specification.

### 3 Method of use

Prior to using Ardrox<sup>®</sup> 9200, it is necessary to ensure that the filtration system to be protected against bacterial growth is clean and free from any initial contamination by bacteria. This is achieved as follows:

1. Thoroughly flush out the system with water.
2. Re-fill with clean water.
3. Add a solution of Ardrox<sup>®</sup> 188RFU pre-diluted at 60 mL per 100 liters (or Ardrox 188 pre-dissolved at 10 g per 100 liters).
4. Circulate the cleaning solution and leave in the system for several hours, preferably overnight.
5. Rinse the system thoroughly with clean fresh water until the pink colour has disappeared and drain.
6. Re-fill with clean fresh water, add Ardrox<sup>®</sup> 9200 at 100 ml per 100 liters and circulate until completely dispersed.

Depending on the frequency and length of use of the filtration system, it may be necessary to make regular additions of Ardrox<sup>®</sup> 9200, at 50 ml per 100 liters, on a weekly basis, to prevent further growth of bacteria, fungus, etc.

### 4 Storage

Store under normal conditions with the containers tightly closed.

## 5 Safety guidance

Before operating the process described it is important that this complete document, together with any relevant Safety Data sheets, be read and understood.

## 6 Waste release

All waste waters must be treated in accordance with national legislation and local regulations prior to discharge to the sewer.

## 7 General information

Chemetall supplies a wide range of chemical products and associated equipment for cleaning, descaling, paint and carbon removal, metal working and protection and non-destructive testing. Sales Executives are available to advice on specific problems and applications.

Issue 2 of 15 Dec 2015

**Head Office**  
Chemetall GmbH  
Trakehner Straße 3  
60487 Frankfurt am Main  
Germany

T +49 69 7165 0  
F +49 69 7165 3018  
[surfacetreatment@chemetall.com](mailto:surfacetreatment@chemetall.com)  
[www.chemetall.com](http://www.chemetall.com)

® registered trademark.

The above details have been compiled to the best of our knowledge on the basis of tests and research work and with regard to the current state of our practical experience. This technical product information is non-binding. No liabilities or guarantees deriving from or in connection with this leaflet can be imputed to us. Statements relating to possible uses of the product do not constitute a guarantee that such uses are appropriate in a particular user's case or that such uses do not infringe the patents or proprietary rights of any third party. The reproduction of any or all of the information contained in this leaflet is expressly forbidden without Chemetall's prior written consent.

© Copyright 2013 Chemetall GmbH Frankfurt am Main, Germany.