

V-CIDE™ 140 Non-Oxidising Biocide

Product Description

V-CIDE 140 non-oxidising is a broad-spectrum antimicrobial product designed specifically for control of bacteria, fungi and algae in industrial recirculating cooling water systems such as cooling towers, pasteurisers, air washers and evaporative condensers and for use as a preservative in aqueous metalworking fluids.

V-CIDE 140 is not recommended for use in potable water systems or where contamination of potable water can occur.

This bulletin is designed to assist you in the use of V-CIDE 140, however Visentia offers the services of trained professional personnel to assist in the determination of levels and rates of treatment to provide an efficient and economical slime-control program.

Product Benefits

V-CIDE 140 provides the following benefits:

- Broad spectrum control of microorganisms in cooling water systems
- Easy handling liquid form
- Effectiveness at low concentrations
- Resistant to interference from organic and inorganic compounds
- Low environmental impact due to rapid decomposition in the aquatic environment

Product Application

For cooling towers, V-CIDE 140 can be added to the tower basin or suction of the recirculation pump.

For pasteurisers, V-CIDE 140 should be added into the pre-cool reservoir or any other convenient point in the system which will allow for good distribution.

Product Dosage

For control of microorganisms in industrial open recirculating cooling systems and pasteurisers, V-CIDE 140 can be added in a continuous or intermittent dosing pattern. Typical dosage ranges are 10-100 ppm or 25-100 mL per cubic metre of blowdown or system volume.

For continuous or semi-continuous application, dosages will typically range between 10 – 25 ppm based on blowdown flow rate.

For intermittent or slug dosing of the system, dosages will typically range from 50 – 100 ppm based on system volume.

The optimum dosing regime (dose/flow and frequency of dosing) for a specific application will depend upon several factors including: the nature and extent of the microbiological contamination, the type and volume of the system being treated, the degree of control desired, and retention time in the system. Your Visentia Water Treatment Consultant can carry out microbiological and chemical analysis and provide technical advice regarding program design.

Physical Properties

Form:	Liquid
Odour:	Not available
Colour:	Clear, green
pH (25°C):	2.0 – 2.6
Melting/Freezing Point:	Not Available
Boiling Point:	100°C
Solubility (water, 25°C)	Miscible
Flammability:	Non-flammable
Relative Density:	1.00 – 1.02
Viscosity:	Not available

Regulatory & Handling

MPI Non-Dairy: V-CIDE 140 is approved by the Ministry of Primary Industries New Zealand as a Non-Dairy Maintenance Compound for treatment of boilers, steam lines and/or cooling systems in food and beverage processing plants, where the treated water or steam does not come into contact with food products or process equipment (C 62).

Refer to the SDS or contact your Visentia water treatment consultant for any additional regulatory and environmental information.



Safety: Visentia maintains an SDS for all its products. Use the health and safety information contained in the SDS to develop appropriate product handling procedures to protect your employees and customers. Our SDS should be read and understood by all of your supervisory personnel and employees before using Visentia products in your facilities.

Packaging

V-CIDE 140 is available in 20L pail, 200L drum and 1,000L IBC packaging options.

Further Information

If you require any further details on Visentia's products or services, please call your local Visentia water treatment consultant or directly to our Auckland head office on +64 9 216 9824.