

BORESAVER ULTRA C

INSTRUCTIONS - 2022

BORESAVER ULTRA C REMOVES IRON BUILD UP IN BORES AND PUMPS



BoreSaver Ultra C is a **premium grade** rehabilitation chemical designed to dissolve iron oxide deposits in potable groundwater bores, wells, pumps and pipes.

BoreSaver is available in 5 & 10 kg containers.



When comparing iron oxide cleaners, it's well worth comparing the recommended dose rates to check you are getting value. If it's the same price but you must use 50% more, it isn't good value at all!

"BoreSaver Ultra C" reacts with iron III (rusty iron) converting it to iron II (soluble iron). In the process components of "BoreSaver Ultra C" are converted to carbon dioxide and water (carbonic acid or soda water).

Breakdown components are readily biodegraded to harmless inorganic ions and compounds, which occur in the biosphere in abundance (sulphate and carbon dioxide).

Applying The Product

BoreSaver Ultra C is supplied as a concentrate and can be used "as is" or mixed with water just prior to use if required. In bores with up to 60m of water depth the solution can simply be added to the top of the casing. Subsequent surging, cycling, brushing etc of the well will do a good job of mixing the product into the target zones.

Where the pump is to be left in place and a cycling method of treatment used, start the pump running then simply tip the **BoreSaver Ultra C** into the top of the well. This will efficiently clean the pump, rising main and upper sections of the casing but not have any significant impact below the pump intake zone

How Much to Use?

Dose rate is 5% by volume of **BoreSaver Ultra C** to the water volume in areas to be treated. This is reserved for sites with a very substantial clogging.

Simply look at the recommended amount of **BoreSaver Ultra C** required for the appropriate casing internal diameter. Multiply this amount by the water depth to be treated. i.e 30m water depth for a (100mm) 4” ID well for a maintenance clean. $0.31 * 30$ so we know we need 10kg of product to do a great job.

Bore Diameter	BoreSaver Ultra C per m of water
	kg/m
4”	310 grams
6”	720 grams
8”	1.28 kg

Simple Pump Cycling Method

This method leaves the pump in the hole and directs the flow back down the well. Providing more of a focus on cleaning the pump and rising main.

Application Method

Pump head works need to be modified to allow the discharge to be directed back into the well. This can be as simple as attaching a hose. Should the flow be too great for a flexible fitting, direct the output into a tank, which then discharges back into the well.

1. Add the recommended amount of treatment product to the casing (this can be via the tank).
2. Recycle for 8 hours minimum making sure the pump doesn't over-heat or run dry.
3. Add 20 lt of water to the well.
4. Leave pump off for 12 to 24 hours to let the cleaner work.
5. Purge to waste. Wastewater from the well should be disposed of in accordance with Environment Agency protocols.
6. During purging, add potable water to the well to flush cleaner and reaction by-products from above the pump.
7. Take this opportunity to perform pump (SC) and water tests if desired.
8. Reconnect head work's and resume normal operations

On Site Disposal of Purge Water

Purge waters contain the minerals dissolved into solution (the original “problem source”), carbon dioxide and some amount of residual acidity. Wastewater from the purge (including any chlorinated water) should be disposed of in accordance with Environment Agency protocols.

FIRST AID MEASURES

Inhalation: Remove victim from area of exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if effects persist.

Skin Contact: If skin or hair contact occurs, immediately remove any contaminated clothing and wash skin and hair thoroughly with running water. If swelling, redness, blistering, or irritation occurs seek medical assistance.

Eye Contact: Immediately wash in and around the eye area with large amounts of water for at least 15 minutes. Eyelids to be held apart. Remove clothing if contaminated and wash skin. Urgently seek medical assistance. Transport to hospital or medical center.

Ingestion: Rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water. Seek immediate medical assistance. Treat symptomatically

Not classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".

Storage

Storage should be cool, dry, well-ventilated area out of direct sunlight. Check regularly for leaks.



Pulse: Electrically driven for precise dosing and fully adjustable with one simple dial these systems are ideal for a range of applications. If you have a well, above ground pump, pressure vessel/switch or contaminants in the main line or you just need precise dose control then the Pulse is for you. Popular on rural & commercial applications.

StainStopper Systems

When your bore water comes out clean and clear but leaves dirty brown stains on your walls, plants and paths, the StainStopper System is perfect for you. Perfect for iron and calcium but not for tannins.

Model Types Pulse & Vacuum

There are two types of system and which one is right for you will depend on:

1. Submersible pump
2. Above ground pump in a well
3. Pressure tank/switch on the pump
4. Access to the bore
5. Power availability
6. Condition of the main water pipe

The Pulse offers great flexibility as we are able to mount the dosing system with any tank configuration. The Pulse just requires the one 20mm blue line connection to the head of the bore or even into the mainline if there is an