

Tiaano electrochlorinator Aquafil SB-0.00625 is designed to generate sodium hypochlorite by using solar energy (power) and brine solution. Kitchen eatable salt is mixed with water to prepare brine and energized the brine by DC current to produce NaOCl. This solution of sodium hypochlorite is used as disinfectant. The overall reaction is as follows:



These electrochlorinators are designed to generate hypochlorite for a wide range of applications in safe, low cost, reliable and portable packages.

Application of Aquafil SB-0.00625:

- Disinfection of drinking water in...
 - remote areas where electricity is not available.
 - emergency situations such as Flood, Tsunami, earthquake.
 - for health workers, NGOs, Army, Mountain camps, Trekkers.

Its features are...

- 8 hours batch type system, very well work in sunlight solar.
- Produce 50 grams of free chlorine in 8 hours.
- Completely assembled and ready to use.
- Ensure drinking water to isolated villages where there is no electricity.
- Drinking water from solar power and common salt.
- Disinfect the drinking water equal to 50,000 liters.



It consists...

- Reactor equipped with DSA coated Titanium electrodes, made from ASTM B265 Gr.1 Titanium. Solar panels & solar rectifiers.
- DC Batteries 12V and 60 Ah (optional).
- Required cables.
- Storage and processing tank.
- Timer to control the process.

Advantages of SB-0.00625:

- Environmental safe drinking water disinfection system, since using Green Technology.
- Sodium Hypochlorite generated by Aquafil SB-0.00625 is neutral and absolutely safe for use.
- No gases or No hazardous chemicals is producing by SB Aquafil.



Ti Anode Fabricators Pvt. Ltd.