

Water Disinfection Solution.

CHLORITAB is a quick acting and easy to use NSF-ANSI 60 certified ClO₂ releasing tablet for household, community, institutional and industrial use. CHLORITAB is manufactured by SVS Aqua Technologies, the makers of the ClO₂ biocides CDD5000™, CDL7500™, Sugerocide and ClO₂ gels. These products are in use in industries, states and municipalities. They are approved for use in seven states of India. SVS Aqua Technologies is the only manufacturer of ClO₂ tablets in the entire region of South East Asia.

CHLORITAB easy to use water disinfection tablet generates chlorine dioxide when in contact with water. It is an effective method for delivering high purity chlorine dioxide at the point of use. It can be used at any altitude and across wide temperature and pH zones. When used as directed, CHLORITAB, produces potable and safe drinking water very quickly.



Tablet is stable when dry



Forms saturated acidic solution in pores when immersed in water



Chlorine dioxide disperses in bulk solution as tablet dissolves

CHLORITAB meets the highest international quality and environmental standards for guaranteed performance

Applications

CHLORITAB substitutes all conventional biocides. Domestic application: (Disinfection of drinking water).

- In households, communities & institutions.
- In rural water treatment.
- In large gatherings for religious or other purposes.
- During disaster management.
- At military outposts and fringe localities.
- For fruit and vegetable washing.
- By mountaineers, trackers and campers.

Industrial application

- Aqua culture - Used in fish, prawn and shrimp farms for algal and bacterial control.
- Poultry: Used as a bio-security measure and for process water treatment.
- Food industry: For washing of fruits, vegetable, meat etc.
- Swimming pool: For filter bed sanitation.
- OHR: Over head disinfections and sanitation.



SVS AQUA is involved in manufacture of industrial and water treatment chemicals. We are a part of the SVS Group with a base of over 350 customers, handling more than 50 products and a business volume of USD 35 M.

As a distributor for many leading names in the chemical sector in India, an extensive market network and a well-developed market intelligence infrastructure have ensured that we are the market leaders in many of the products we handle. We work in partnership with many global companies and are proactive in introducing the latest technology in water treatment to India.

We have an experience of over 35 years in addressing a variety of disinfection and sanitation problems. SVS Aqua Technologies manufactures a wide array of chlorine dioxide products to fulfill different requirements of various industries/organizations across India and around the globe.

We actively participate and partner with the Government of India in formulating safer and more effective water treatment policies. As members of several water safety organizations, we endeavour to use our experience in water treatment for the larger good of the society.

CHLORITAB™ - THE SUPERIOR BIOCIDES

- CHLORITAB achieves effective Effective and full elimination of all known common micro-organisms in water, i.e. bacteria (incl. gardia, legionella), viruses (incl. hepatitis, anthrax), protozoan (incl. crypto and giardia), yeast, fungi, algae and cysts.
- No resistance building by microorganisms possible.
- Retains health of water. No disinfection side effects - no formation of carcinogenic and mutagenic substances.
- No change in odour, colour and taste of water.
- Stronger, efficacious and faster disinfection capacity; works within minutes.
- Long lasting residual disinfection capacity (Water stays disinfected for 24-48 hours).
- No resistance building by microorganisms.
- Useful through a wide range of temperatures, altitudes and pH values of water. (From - 4° C to 65° C and pH values 4 to 10)
- Convenient to carry and use
- Can replace chlorine, other disinfecting biocides and bottled water.

HOW CHLORITAB COMPARES WITH CHLORINE

CHLORINE	CHLORITAB
1. Chlorine is highly reactive. On reaction with water in presence of organics, it produces carcinogenic and mutagenic substances. Such water is unhealthy for consumption.	1. Chlorine dioxide is a selective oxidizer; it stays as an inert gas in water. It does not produce carcinogens and mutagens on reacting with water. CHLORITAB keeps water healthy.
2. Addition of chlorine to water alters the taste, odour and colour of water. The resultant taste is unpleasant. This translates into reduced water consumption.	2. CHLORITAB does not alter the taste of water. No change in odour and colour. So water consumption is not affected adversely.
3. Chlorine needs 30 minutes to an hour to disinfect water.	3. CHLORITAB needs just a couple of minutes to disinfect water.
4. Micro-organisms build immunity to chlorine over time. As a result, bio-films cannot be removed by chlorine.	4. ClO ₂ is a broad spectrum antimicrobial. It disrupts the DNA and RNA of micro-organisms and prohibits protein synthesis. Hence immunity building against CHLORITAB is not possible. Bio-films are thus eradicated completely by CHLORITAB.
5. Short residual disinfection capacity - up to 4 to 6 hours.	5. Long lasting residual disinfection capacity (period through which water remains disinfected) - up to 24 to 48 hours.
6. Good oxidizing power.	6. CHLORITAB has 10 times more oxidizing power than chlorine. Superb oxidant for iron, manganese, nitrite, phenols and hydrogen sulfide.
7. Effective only at neutral pH	7. Effective over pH range of 4 to 10.
8. On reaction with ammonia present in water, chlorine forms toxic trichloromines.	8. Does not react with ammonia.
9. Very corrosive. Affects pipelines, pumps, gauges, valves and water storage tanks and other containers.	9. Less corrosive.