

# RUBICON MICRO

## OXYGEN BASED WATER DISINFECTANT



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### Applications

- S** Conditioning of drinking water
- S** Combating diarrhoeal diseases such as cholera, typhoid, dysentery
- S** Used for remote & rural water disinfectant on micro level
- S** Can also be use in urban areas with inadequate clean water supply
- S** Complementary to total disinfection process when existing UV, ozone or other disinfectant systems are used
- S** Residual disinfectant

### Key Features

- S** Fast dissolving & easy to dose
- S** Destroy spores, bacteria, viruses, fungi, most common pathogen organisms & phenols
- S** Odourless, tasteless & taintless
- S** Non-toxic & safe; does not create Trihalomethanes (THM's) or disinfection by-products (DBPs)
- S** Environmental friendly
- S** Un-effected by UV degradation

### Ordering Information

Product name	Description & packaging	Weight
RUBICON MICRO	Ordering per shipper, each containing 100 boxes	~ 11kg
	Each box containing 30 sachets of 3.5g each	~ 110g
	Each sachet of 3.5g disinfects between 20l and 25l of water	~ 3.5g

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### Specifications

Proprietary blend of –

- S Various inorganic persulphate salts acting as a powerful oxidizer and disinfectant
- S Human friendly anti-microbial substance composed of a combination of bioflavonoid complexes and naturally occurring organic acids, including Ascorbic acid, Citric acid and Malic acid
- S Cationic flocculant

Free flowing granular, soluble in water

- S Containing no halogen based product (free from chlorine, bromine and iodine)
- S All ingredients used are permissible for use in drinking water disinfection
- S Active substances are non-toxic, non-corrosive and non-flammable

Acting as a potent sanitizer against a range of gram+ and gram– bacteria

- S Destroy spores, bacteria, viruses, fungi, most common pathogen organisms (*E-coli*, *Vibrio cholera*, *Legionella*, *Samonella*, *Streptococi*, etc.) and phenols
- S Destroys bacteria through membrane changes or damage due to penetration of cell walls
- S 100% kill rate on highly contaminated cholera water with a small dosage rate

Does not generate pressure through decomposition, heat or other means

Primary decomposed products are oxygen and water

### Instructions

**Dosage:** One sachet of 3.5g will disinfect and clean up to 25ℓ of water. The 5-step process includes –

- Ü Tear sachet open
- Ü Add contents of sachet to **between 20ℓ and 25ℓ** of water
- Ü Stir water well for **30 seconds**
- Ü Leave water for **20 minutes** for disinfection and flocculation to take place
- Ü Filter any solids or remains if necessary
  - Ü **Clean water is now ready to drink**

**Storage:** Store original packaging in a dry place at room temperature

**Handling:** Not necessary to declare as a hazardous substance when travelling or transported

**Safety:** Keep out of reach of children

- S If eye contact, rinse immediately with water
- S If indigested, do not induce vomiting, drink copious amount of water (seek medical assistance if necessary)