



# PARAS HYDROCHEM-102-Si

Antiscalant  
Chemical for  
reverse osmosis

PARAS HYDROCHEM - 102 – Si, a latest polymer based formulation, is highly effective liquid Antiscalant, specially formulated for feed water with higher levels of silica and metal oxides. Use of **PARAS HYDROCHEM - 102 - Si** controls silica scales and fouling due to metal oxide thereby giving sustained performance for a longer time and reducing unscheduled shutdowns and cleaning costs. It is also effective for Salts like CaCo<sub>3</sub>, CaSo<sub>4</sub>, BaSo<sub>4</sub>, S.So<sub>4</sub> (Ca F<sub>2</sub>).

## **ADVANTAGE**

### **Eliminates conventional treatment**

PARAS HYDROCHEM – 102 – Si successfully replaces conventional treatment of SHMP thus elimination drawbacks associated with use of the latter.

### **Facilitates maximum recovery**

Provide optimum control of feed water with concentrate silica level up to 280 ppm & LSI up to + 2.5.

### **Allows effective scale control**

PARAS HYDROCHEM – 102 – Si minimizes scaling due to metal oxides & reduces cleaning frequency. Effective over wide range of concentration, such as residual coagulants or aluminum rich silica or iron.

### **Controls deposition of suspended particles**

In addition PARAS HYDROCHEM -102 - Si also disperses silt & colloidal particles thereby keeping the membrane surface clean.

### **Miscibility**

PARAS HYDROCHEM -102 - Si is a non-corrosive liquid miscible in water at all proportions.

### **Stability**

It is chemically stable over broad range of pH and temperature.

### **Safe for use**

Toxicological study reveals that PARAS HYDROCHEM -102 - Si is safe for use.

## **SPECIFICATIONS**

pH	:	5 – 6.8 pH
Appearance	:	Reddish to Pale Yellow hazy liquid.
Solubility	:	100% water soluble
State	:	Liquid
Sp. Gr.	:	1.000 – 1.180 at 25°C

## **APPLICATION AND DOSAGE**

The recommended dosage is the range of 1-8 ppm. On the Basis of 2 ppm for every 100 ppm Hardness in Raw Water. It controls a wide range of inorganic scales along with reactive and non-reactive silica at high levels in the feed water.

Dosing of PARAS HYDROCHEM -102 - Si is to be done prior to the cartridge filter.

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## **HANDLING & STORAGE PRECAUTIONS**

PARAS HYDROCHEM -102 - Si is safe to handle but use of safety goggles hand gloves is recommended. In case of contact with skin, wash with copious amount of water.

Please keep in cool and dark place. It is stable under normal storage conditions.

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## **PACKING**

PARAS HYDROCHEM -102 - Si is available in 30 / 45 Kg HDPE Carbuoys.



### **PARAS HYDROCHEM**

Manufacturers of Complete Range of Industrial Water treatment Chemical.

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Plot No. 96/A/ SL-6, Scheme No. 78, INDORE - 452010  
Phone : 0731 - 2550863 / 2552185 Fax: 0731 - 4002950  
E mail : [info@parashydrochem.com](mailto:info@parashydrochem.com)

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Works: Plot 16, Private Indl. Area, Sanwer Road, BHOURLASLA, INDORE  
Phone: 08871831487