



## PRODUCT DATA SHEET

# PRO-TEK SRP 2

### MEMBRANE DECHLORINATION

### PRODUCT DESCRIPTION AND APPLICATION

PRO-TEK SRP 2 is a fast-acting dechlorination agent used to reduce the levels of residual chlorine in chlorinated water supplies without increasing objectionable chloramines.

Its primary use is dechlorination of feedwater for reverse osmosis (RO). PRO-TEK SRP 2 is also used for chlorine and oxygen scavenging in systems that cannot tolerate the presence of a catalyst.

### PHYSICAL & CHEMICAL PROPERTIES

These properties are typical. Refer to the Material Safety Data Sheet (MSDS) for the most current data.

Form:	Liquid
Density @77 F [25 C]:	11.4 lb/gal [1.37 kg/L]
Specific Gravity @77 F [25 C]:	1.37
Odor:	Pungent sulfurous
pH (1% Solution):	4.1
Freeze-Thaw Recovery:	Unstable
Flash Point (PMCC):	None
Crystallization Point:	25 F [- 4 C]

### MATERIALS OF COMPATIBILITY

Compatible	Not Compatible	Not Tested
Polyethylene	Aluminum	Plasite 4005
Fiberglass DK-411	Brass	Plasite 6000
PVC	Mild Steel	Plasite 7122
Buna-N	Nickel	Copper
Polypropylene	Neoprene	Polyurethane
Natural Rubber	Hypalon	
Teflon	Stainless Steel 304	
Viton	Stainless Steel 316	
Plexiglas		
Vinyl		



## DOSAGE AND FEEDING

### PRODUCT FEEDING AND PROGRAM COMPATIBILITY

PRO-TEK SRP 2 should be fed to the RO or UF system upstream of any peripheral equipment that may contain biological growth. PRO-TEK SRP 2 should be fed at a point where thorough instantaneous mixing is available as close to the chlorine contact point as feasible. PRO-TEK SRP 3 can be fed neat or diluted.

### CONSEQUENCES OF UNDERFEED

Underfeed of PRO-TEK SRP 2 will cause free chlorine to remain in the water going to the ion exchanger or reverse osmosis (RO) membrane. This chlorine will react with the membrane structure causing degradation and/or hydrolysis (check manufacturing specifications).

### CONSEQUENCES OF OVERFEED

Slight overfeed of PRO-TEK SRP 2 should have no noticeable effect on the operation of the RO membranes since the vast majority of ionic load would be coming from the water itself.

Dosage of SRP 2 required for chlorine removal is approximately 5.25 ppm for each 1.0 ppm of free chlorine

## SAFETY AND HANDLING

Read the Material Safety Data Sheet before using this product.

Caution: May cause irritation to skin and eyes. Avoid contact with skin, eyes and clothing. Do not take internally. In case of contact, wash skin with soap and water; for eyes, immediately flush with large amounts of water for at least 15 minutes, and get medical attention. Remove contaminated clothing and wash before re-use.

## STORAGE

DEUTERIUM PRO-TEK SRP 2 has a maximum recommended in-plant storage life of six months in factory-sealed containers. The maximum storage temperature is 120 F [49 C]. Keep from freezing. At temperatures below 30 F [11 C], product will precipitate. PRO-TEK SRP 2 is not freeze-thaw stable. Bulk PRO-TEK SRP 2 should be stored in lined or fiberglass tanks. Avoid excessive aeration. Fill bulk tanks from the bottom.

## REMARKS

For Medical and Transportation Emergencies involving OWS products, please see the Material Safety Data Sheet for the phone number.