



PRODUCT DATA SHEETS

PRO-TEK-SRP 4L

INORGANIC, SOLUBLE SCALE CLEANER

PRODUCT DESCRIPTION AND APPLICATION

PRO-TEK SRP 4L is a pulverised acid product formulated to remove many types of inorganic deposits, primarily soluble scale. PRO-TEK SRP 4L is primarily citric acid. Its primary use is to remove scale deposits in RO systems.

PHYSICAL & CHEMICAL PROPERTIES

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

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PHYSICAL STATE	Liquid
APPEARANCE	amber
ODOR	Slight
SPECIFIC GRAVITY	1.15-1.2
pH (neat solution)	3.5-4.0
Flash Point (PMCC):	> 100 °C
Freeze Point:	<2 °C

Note: These physical properties are typical values for this product and are subject to change.

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MATERIALS OF COMPATIBILITY

PRO-TEK SRP 4L is compatible with most metals and plastics during normal cleaning procedures, which should last only a few hours. Long or continuous use on galvanised or aluminium surfaces should be avoided.

DOSAGE AND FEEDING

PRO-TEK SRP 4L dosages will be determined by the application or cleaning method that is being used. PRO-TEK SRP 4L should be dosed to achieve a concentration of 2-5% in the system being cleaned. When the scale is heavy or very adherent, higher solution strengths or several cleanings may be necessary for complete scale removal.



PRO-TEK SRP 4L should be dissolved in water, poured or pumped into the equipment to be cleaned and then circulated. The product may be added directly to a water system, where good mixing of the chemical is assured. Although cool solutions will dissolve scale, the dissolving action is accelerated as solution temperatures increase. With cleaning systems fabricated from steel, brass, bronze or copper, the solution temperature may be increased to 70 C. In aluminium or galvanised equipment, the temperature should be kept below 50 C. The cleaning time is generally 4-12 hours, but it varies with the temperature, solution strength and depth of the scale. When the solution loses its strength the product effectiveness will diminish. If the deposit has not been completely removed, additional PRO-TEK SRP 4L may be added to bring back the solution strength, or the cleaning process may be repeated.

After cleaning, flush equipment thoroughly with water to remove all loosened deposits and trace of residual cleaning products.

Provide suitable venting when cleaning closed systems. Keep open flames away from the vent during and immediately following cleaning.

Do not apply PRO-TEK SRP 4L to any water system while it is operating under pressure.

SAFETY AND HANDLING

Read the Material Safety Data Sheet before using this product.

CAUTION: Irritating to eyes and skin. Do not get in eyes, on skin, on clothing. Do not take internally. Do not breathe dust. Use with adequate ventilation. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. After contact with skin, wash immediately with plenty of water. Wear suitable protective clothing. Not flammable or combustible. May evolve oxides of carbon (COx) under fire conditions.

STORAGE

PRO-TEK SRP 4L 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. Do not store below a temperature of 30 F [11 C].

REMARKS

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