



SW-SI 400

Scale Inhibitor, Sludge Conditioner and Dispersant

Description

SW-SI 400 is an organic polymer, phosphate based compounds, used for boilers under any pressure to precipitate calcium and magnesium hardness as phosphate sludge. it prevents scale formation by converting residual hardness salts to a mobile Non-adherent sludge that can be removed by blow down.

Treatment and Dosage

SW-SI 400 is normally maintained within set limits in boiler water. The Optimum treatment dosage depends on the operating conditions such as (boilers pressure, and the chemical characteristics of the treated water ,concentration ratio). Your **SAFETY WAY** Consultant will advise the exact dosage.

SW-OS400 food grade chemicals

Physical Properties

Appearance:	Florissant green liquid
Specific Gravity:	1.1 \pm 0.02
PH:	7 – 8
Flash point:	Non -flammable
Odor:	odorless
Solubility:	completely

Mode of Action

The stabilizing and dispersing power of SW-SI 400 prevents the formation of scale by blocking the crystal growth(threshold effect).Beyond the stabilization limit an amorphous precipitate is obtained high is dispersible and does not form hard scale. It can be removed from the boiler system by normal blow down.

In case of precipitation due to alkaline earth it builds anon-adherent deposit which can be removed from the boiler steam by normal blow down.

Analysis

The determination of product is made by standard phosphate test methods

Safety and Handling

Avoid contact with eyes and skin. In case of an accidental contact, flush thoroughly with plenty of water.

Storage

Store in cool , dry and well-ventilated area.

- Keep containers after use.

Packaging

SW-SI 400 is available in 25 kg poly drums