

SUDSTEAM 80 SCP

internal treatment – polymer, sulphite and amine based

- Scavenging Oxygen in the feed water and preventing corrosion of the boiler and pre-boiler section.
- Capturing hardness salts that enter the boiler - keeping these soluble or dispersed for safe removal via blow down.
- Conditioning iron and copper entering the boiler - preventing it from complexing with other ions and forming isolative deposits.
- Complexing silica - ensuring that hard, difficult to remove silicates are not formed. Also reduces silica volatility and improves steam purity.
- Dispersing any suspended solids and oils that may enter or form in the boiler – keeping heat transfer surfaces clean and efficient
- The inclusion of high temperature antifoam reduces the risk of boiler water carryover.
- The neutralizing amine included will volatilize into the steam and neutralize any carbonic acid formed in the condensate line – preventing corrosion and reducing iron returned to the boiler.

description and use

SUDSTEAM 80 SCP is a liquid blend of oxygen scavengers, neutralizing amines, sequestrants, antiscalants, alkalinity builders, modified organics and antifoam agents designed to treat low and medium pressure boiler water systems and prevent deposits, fouling and scaling. **SUDSTEAM 80 SCP** is designed as a "ONE-SHOT" treatment program for small low and medium pressure boilers where condensate line treatment is required.

treatment and feeding requirements

SUDSTEAM 80 SCP should be dosed to the hot well, deaerator storage or feed pump suction > 1m from the pump using an anti-siphon valve and dosing quill. Do not dose **SUDSTEAM 80 SCP** directly to the steam drum the high localized alkalinity combined with pressure and heat can damage the metal at the point of entry. **SUDSTEAM 80 SCP** is a strong alkaline solution and materials of construction of the storage,

dosing and feed equipment should be compatible with this. Recommended materials of construction would be – HDPE, 304SS, 316LSS, PP and other materials which are resistant to > 10% sodium hydroxide solution. We recommended that the injection point is fitted with a suitable dosing quill to ensure that the concentrated product does not affect the surrounding metal at the injection point. **SUDSTEAM 80 SCP** should not be diluted <25% with cooled condensate, demineralised or softened water to facilitate continuous dosing to the boiler system. NOTE: **SUDSTEAM 80 SCP** contains an oxygen scavenger, so when diluting, care must be taken to ensure very slow mixing to avoid entraining air.

general properties

Physical properties of **SUDSTEAM 80 SCP** are shown on the Safety Data Sheet, a copy of which is available on request.

packaging information

SUDSTEAM 80 SCP is a liquid blend, available in a wide variety of customized containers and delivery methods. Contact your ImproChem representative for details.

storage and handling

Store **SUDSTEAM 80 SCP** in a cool, dry place.

safety precautions

Safety Data Sheet containing detailed information about this product, it is available upon request.

MEDICAL ASSISTANCE NUMBER: +27 800 774 557 (SPILLS)

This information corresponds to the present state of our knowledge and is intended as a general description of our products and their possible applications. ImproChem makes no warranties, express or implied, as to the information's accuracy, adequacy, sufficiency or freedom from defect and assumes no liability in connection with any user of its information. Any user of this product is responsible for determining the suitability of ImproChem's products for its particular application. Nothing included in this information waives any of ImproChem's general terms and conditions of sale, which control unless it agrees otherwise in writing. Any existing intellectual/ industrial property rights must be observed. Due to possible changes in our product applicable national and international regulations and laws, the status of our products could change. For additional information contact ImproChem.