



ISO CERT NO. 160067



ISO CERT NO. 190018

FALCHEM SCALE X LIQUID DESCALER

DESCRIPTION:

FALCHEM SCALE X is a superior, heavy duty, concentrated liquid acid solution specifically designed to remove rust and water scale build-up from boilers, evaporators, heat exchangers, cooling systems, pipeline collection systems, etc. **FALCHEM SCALE X** is characterized by the composition of high quality raw materials and the quick and effective results once applied.

CHARACTERISTICS, ADVANTAGES & APPLICATIONS:

- Ideal for the complete removal of scale and rust accumulation.
- Acts quickly and thoroughly without the necessity for heating.
- Applicable to all ferrous metal surfaces and parts, except those being Galvanized and those made of Tin, Zinc, Lead and Aluminum.
- Water-soluble, non-flammable and non-volatile.
- Has no known effect on rubber and plastic.
- May be combined with a specific range of other products.
- Can be used for difficult cleaning conditions such as the lavatories, showers,
- Biological wastewater treatment units etc.
- Cost effective, easy to apply and use.

TYPICAL PHYSICAL PROPERTIES

Colour	: Light Brown
Specific gravity (20°C)	: 1.1
Flash Point	: Not Applicable

APPLICATION AND USE

A. Dosing Procedure

FALCHEM SCALE X must be used diluted at a proportion of 1 liter for every 4-9 liters of water. Dilution must not exceed this proportion as it may alter the inhibiting effect of the solution. Note that after the application of **FALCHEM SCALE X**, a 1% solution of **ALKALINITY CONTROL** must be used to neutralize the treated surface area.

B. Cleaning Procedure

Preparation: Before the application of **FALCHEM SCALE X**, remove Tin, Zinc, and Aluminum. Lead and galvanized parts/components from the surface area to be treated. Additionally, rinsing of the contaminated area is suggested in order to eliminate sludge and other loose deposits. **Application:** **FALCHEM SCALE X** may be used either at room temperature, or in order to accomplish quicker results, it can be heated up, but the temperature must be no more than 55°C.

The methods used are the circulation, soaking and spreading. **Circulation** is applicable to boilers, evaporators, condensers, heat exchangers and generally closed systems that have the capability to circulate



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at a temperature of approximately 45-55°C, for 6-15 hours with a solution of 10-40% of **FALCHEM SCALE X** in water. Keep in mind that the strength of the solution is analogous to the degree of contamination/accumulation. **Soaking** is usually applicable in open or closed systems that do not provide circulation. In these cases, two or three cleaning trials are recommended beforehand. Generally, a solution of 20%, at 45-55°C, should be used; it must not stand still, and should have periodic agitation. This ensures constant reaction rate. At the same time we must maintain the strength of the desired acidity by adding **FALCHEM SCALE X** and fresh water, periodically, in order to make up for the lost volume proportion due to steam loss and surface reaction. **Spreading** is applicable for general cleaning use on large surface areas, by conventional means such as a brush, sponge or a mop with **FALCHEM SCALE X** either diluted or not, depending on the degree of contamination and the kind or type of deposition. After the completion of the cleaning process, regardless of the method used, rinse with plenty of water and neutralize (only for the metal surface areas) with 1% solution of ALKALINITY CONTROL.

Note that during application, inflammable and / or toxic gases may be liberated.

In this case, adequate ventilation is necessary.

SAFETY AND HANDLING

HANDLING	Handle with care. Store in dry, cool and well ventilated environment.
SAFETY	IMMEDIATE ACTIONS
Eye Contact	Avoid Eye Contact. Otherwise, flush with plenty of water for a few minutes. Seek medical attention.
Skin Contact	Avoid Skin contact. Otherwise, wash contaminated area thoroughly with water. Seek medical attention.
Inhalation	Do not breathe gas/vapors. Otherwise, seek fresh air source at once. Seek medical attention. In case of insufficient ventilation, wear suitable respiratory equipment..
If Swallowed	Avoid ingestion. Otherwise, consume considerable quantity of water. Do not induce vomiting. Seek medical attention.
General instructions	Avoid spillage, splashing and mishandling. Precautionary measures for body protection are strongly recommended before use.

PACKING SIZE: 25 LITER, 200 LITERS PAIL/DRUM



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Read the Material Safety Data Sheet before using this product

For detailed information on safety and health, please refer to Material Safety Data Sheet and/or product label.

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