

ALSTASCALE DS80

Heavy duty liquid de-scalant for hard water scale deposits in condenser tubes and heat-exchangers

ALSTASCALE DS80 is a blend of acids with inhibitors. The product is designed to remove mineral and oxide deposits in water systems that are subject to deposit accumulation. Typical tasks are descaling of condenser, evaporator, heat exchangers, evaporative condenser, boiler, gear box etc., and steel parts cleaning.

ALSTASCALE DS80 is inhibited to protect cleaned surfaces from acidic attack. It can be used on most common metals such as MS, SS, Copper and Cu-Ni except zinc, aluminum, galvanized surface.

Physical and Chemical Properties

Form	Liquid
pH (neat)	<2
Specific Gravity at 20°C	1.20 ± 0.05
Solubility	Soluble in all proportions of water

Dosage and Application

Prepare a 20% v/v solution of ALSTASCALE DS80 with pre-heated water at 70°C. The total volume of solution should be about 1.2 times of water holding capacity of equipment to be descaled. Recirculate the solution for about 6 hours using a pump.

After descaling it is necessary to passivate system with 2% solution of ALSTASCALE PS20 into the last rinse.

After Passivation open the equipment head and look for deposits, if the tube is still fouled with loose-scale debris, they may be cleaned by brushing with soft nylon tube cleaning brush. After brushing flush system with water and return to normal service.

Important

1. For extremely rock hard and thick scaling it is recommended to soften the scale prior to descaling. This is done by re-circulate a 5-10% solution of ALSTASCALE SS20 for 1 hour followed with rinsing with plain water before dosing descalant.
2. In case of silica and high iron deposits add 2-3 parts ALSTASCALE SR60 to 10 parts of ALSTASCALE DS80 in the system and recirculate
3. After dosing chemical never heat solution by firing burners.

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Key Features and Benefits

Heavy Duty Descaling

Removes very hard and stubborn mineral and iron scale deposits (except silica deposits) which otherwise can not be removed by mechanical means.

Save Time, Money and Downtime

On-site cleaning by your personnel, or qualified cleaning service, eliminates the cost of dismantling equipment, sending it off-site for cleaning services, and reassembling.

Inbuilt Corrosion Inhibition

ALSTASCALE DS80 comes with inbuilt corrosion inhibitor to protect metal from corrosion or acid attack.

Wetting and scale penetrating property

In addition the wetting characteristics of ALSTASCALE DS80 significantly increases the scale removing rate by allowing the chemical to easily penetrate into the hard scales.

Packing, Handling and Storage

ALSTASCALE DS80 should be stored in original containers in cool and dry place, away from sources of heat and direct sunlight.

ALSTASCALE DS80 is packed in 35kgs HDPE jars.



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