



Technical data sheet

CHEMLINE C1

ISO 9001 : 2000

Acid concentrate for cleaning boiler

Description	chemline c1 is designed in use as cleaning chemical for boilers, cooling tower, heat exchanger... The product is particularly effective in cleaning the scales from carbonate, sulfate, silicate with metals Ca^{2+} , Mg^{2+} , Fe^{2+} ... CHEmline c1 does not harm the system, reduces the hard scales, prolongs life time of equipments and cuts down expensive repair and operating cost.
Application	CHEMLINE C1 is a multifunctional liquid product and has applications in many fields. <ul style="list-style-type: none">• For boiler, which has hard scale build-up because of hard water, over-heating scales...• For cleaning heat exchanger, pipes in the boiler and in cooling system.• For domestic applications to clean scale build – up in water faucet, water pips, steam iron....
advantages	<ul style="list-style-type: none">• Effective clean away all hard, stubborn scales in the water system• Does not corrode the metal surface of system.• Reduces operating cost• Easy in use
Physical data	<ul style="list-style-type: none">• Appearance.....Colorless to light yellow liquid.• Odor.....characteristic• Flash point.....None.• Specific gravity.....• pH.....<2.0.• Freeze Point.....<-5°C.
Dosage and feeding	<p>The dosage of chemline c1 depends on the depth of scale. Normally, chemline c1 is diluted with water in ratio from 1: 2 to 1: 6.</p> <p>Recommendations for dosages and overall system operating conditions will be made by qualified technicians.</p> <p>Special tank (PVC, polypropylene, fiberglass), corrosion resistant circulating pump and valves are used for cleaning. Duration of cleaning solution circulating is from 40 minutes up to 4 hours. Temperature of cleaning solution has to be not higher than 40°C. The cleaning finishes after the pH in the system is stable.</p> <p>After cleaning with CHEMLINE C1, it is necessary to neutralize the whole system with CHEMLINE C3 (which was diluted 1:20 with water), flush with plenty of water before reuse the system.</p>
Safety	chemline C1 is toxic even fatal by ingestion and because of its high acidic property. Do not take internally. If ingested, drink plenty of water and get medical attention immediately. Do not induce vomiting. Contact with eyes cause severe irritation or



Technical data sheet

CHEMLINE C1

ISO 9001 : 2000

Acid concentrate for cleaning boiler

Packing and handling

burns. If eyes are contacted, immediately flush with clear water for 15 minutes and get medical attention. For skin contact, wash with soap and water. Get medical attention.

chemline C1 is packed in 25kgs plastic drums. Other packing available by request.
chemline C1 is harmful if released to environment. Take all precautions necessary when handling and transform with acid liquids.

Shelf life is one year. Use within 06 months once opened