



Technical data sheet

CHEMLINE C3

ISO 9001 : 2000

Alkaline concentrate for cleaning boiler and cooling water system

Description **chemline c3** is a complex alkaline with a special sequestrant agent, corrosion inhibitor and surfactants. It is designed for cleaning scales from heat exchanger, cooling towers and boilers. **chemline c3** does not harm the system, prolongs life time of equipments and cuts down expensive repair.

Application **CHEMLINE C3** is a multifunctional liquid product and has some applications:

- Clean (hard/soft) scales for boilers and cooling tower.
- As a cleaning and maintenance chemical used for removal of albuminous and greasy deposits from various surfaces.
- Can use in food industry and domestic applications.

advantages

- It is biodegradable product
- Cleans various surfaces of different industries;
- High foaming solution;
- Removes albuminous and greasy deposits;
- Effective at high and low temperature;
- Does not corrode the metal surface of system
- Easy in use, prolongs life time of equipments.

Physical data

- Appearance.....Cloudy liquid.
- Odor.....mild
- Flash point.....None.
- Density (20°C).....1.15 ± 0.05
- pH.....13 - 14
- Freeze Point.....<-2°C
- Soluble in watercomplete

Dosage and feeding The dosage of **chemline c3** depends on the using purpose
For cleaning scales in steam boilers: **chemline c3** is diluted with water in ratio from 1: 3 to 1: 6. (pouring water first in container then **CHEMLINE C3**). Corrosion resistant circulating pump and valves are used for cleaning. Duration of cleaning solution circulating is from 1 – 4h. Temperature of cleaning solution has to be not higher than 50°C. The cleaning should be finished after the pH in the system is stable. Heavy built-up unit need to repeat application several times.

For cleaning greasy surface: Wet clean surface with water. Apply **CHEMLINE C3** (which was diluted 1:3 – 1:4 with water) over the wet area. Let chemical react for few minutes to break up the oily grime and industrial fallout impurities bonded to surface. Thoroughly hose on pressure spray with water, flushing soil from cleaned surface. Rinse all equipment that come in contact with **CHEMLINE C3**. Repeat the process if



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necessary.

For neutralization of the residue of cleaning chemicals and preservation: CHEMLINE C3 can be used as neutralizer and preserver after using CHEMLINE C1 (C-1A) and CHEMLINE C2.

CHEMLINE C3 dilutes with water in proportion 1:10-1:20. Time of the neutralization is from 30 minutes to 1 hour. The neutralization finishes after pH in the system is stable.

Other cleaning applications: Dampen the contaminated surface, apply CHEMLINE C3 (1 : 5 – 1: 10 with water) and allow it to work for 15-30 minutes, then brush and rinse. Keep the work site damp during treatment and repeat if necessary.

Recommendations for overall system operating conditions will be made by qualified technicians.

Safety

chemline C3 is harmful if swallowed because of its high alkaline property. Do not take internally. If ingested, drink plenty of water/milk and get medical attention. Do not induce vomiting. Contact with eyes cause severe irritation or 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 immediately.

Packing and handling

chemline C3 is packed in 25kgs plastic drums. Other packing available by request. Take all necessary precautions when transfer and handling alkaline CHEMLINE C3 to protect releasing it to environment.

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