



ISO CERT NO. 160067



ISO CERT NO. 190018

FALCHEM RENOVATE COAL CLEANER

Emulsifying cleaning agent for removal of coal tar, crude benzene, pyrolyse gas oil, bitumen and similar substance.

Application:

Falchem coal cleaner is used for cleaning of tanks, heat exchangers, air coolers etc.

Description:

- Effective cleaner which will not leave carbon residues on the cleaned surface.
- Excellent for cleaning of heavily contaminated heat exchangers.
- Economical cleaner which can be used as an emulsion with sea water.
- Minimizes waste water, due to fast separating properties. (product contamination sink to bottom of separation tank due to weigh)

Properties:

Flash point:	87°C
pH (1% solution):	7
Specific gravity:	1.25

Directions of use:

- 1) After discharging, pre-wash (2hrs) the tanks with seawater at a maximum temp. of 50° C.
- 2) Remove any sediment by hand.
- 3) Make a solution in the tank which has to be cleaned in the ratio of 100 litres of **Falchem coal tar** to 900 litres of water.
- 4) Heat up solution to approx. 50° C, by use of heating coils.
- 5) Start circulation. (cargo pump, cargo line with jump to the Butterworth line in the Butterworth machines)
- 6) Continue circulation or about 4-8 hours at the same temperature.
- 7) Pump the solution into another tank.
- 8) Wash the tank with water and inject some **Falchem tankleen** into the Butterworth line if necessary.
- 9) If the tanks are coated with zinc silicate, there may be a discoloration after the cleaning. If so, make a solution of fresh water and **Bufferclean** in the tank in the ratio of 9 to 1 = 10% solutions.
- 10) Heat this solution up to 50° C.
- 11) Start circulation following item 3.
- 12) Continue with circulation for 1 – 2 hours.
- 13) Wash with fresh water.
- 14) Drain the tank.
- 15) For chloride free cleaning, steam the tank with live steam.

For cleaning of heat exchangers:

- 1) Start with shock treatment with steam followed by flushing with cold water to break hard deposit layers, which will help the cleaning with **Falchem coal cleaner** afterwards.
- 2) Fill system with **Falchem coal cleaner** and circulate by means of pump at max 50° C for approx. 8 hours.



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3) Drain and flush with water.

For cleaning air intercoolers:

For badly soiled intercoolers use circulation method or spray system

Cleaning of immersion baths

Falchem Coal Cleaner is used undiluted in immersion baths for the cleaning of metal components, which are badly soiled with coal tar or similar substance. Afterwards, the parts must be well flushed with water. During the cleaning, the bath must be closed and the area must be ventilated well.

Product characteristics:

Falchem Coal Cleaner is a slightly yellow coloured liquid with characteristic odour, consisting of mixture of chlorinated aromatic hydrocarbons and non-ionic + cationic detergents. Suitable for use on most common metals, however should not be used on rubbers (except Vinton rubber) and plastics (except nylon, polypropylene, epoxy coating and polyurethane).

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

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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