



## **SCALE OFF-LS-30**

### **Description**

SCALE OFF-LS-30 is a liquid acid type product that effectively removes rust, calcium carbonate and magnesium hydrate scales from heat exchangers, boilers, evaporators, closed and open re-circulating cooling systems and all other types of water systems.

It is ideal for cleaning engine cooling systems, for car engines and truck engines.

It contains inhibitors and surface-active agents to protect sound metal surfaces giving more efficient reaction with the scale deposits.

SCALE OFF-LS-30 is the only product, which is safe on aluminum and its alloys.

When different metals exist in the system with aluminum, we suggest the use of SCALE OFF-LS-30 because any other chemical will destroy aluminum.

### **Application**

SCALE OFF-LS-30 is normally used in a concentration of 10-20 % in water. The concentration varies, depending on the nature and the quantity of the scale.

Cold solutions work satisfactorily. However, heating speeds its action, with greatest efficiency obtained at 70 °C.

When the temperature exceeds 50 °C probably the aluminum and aluminum alloys will be slightly affected.

To strengthen solutions weakened through usage, simply add more SCALE OFF-LS-30 to restore solution to desired concentration.

Add SCALE OFF-LS-30 directly to the water in the system.

Circulate solution, hot or cold, until inspection shows system is free of scales. Depending on the condition of the system circulation for 1-5 hours is sufficient.

For car and truck engines, 30 minutes up to 1 hour is sufficient depending on the condition of the system and the amount of scale and rust.

When system runs clean, flush with water and neutralize residual acid with our product KEM-NUTRO-S in a concentration of 1,5 % - 3 % solution (refer to PDS for KEM-NUTRO-S).

### **Safety**

Contains acidic ingredients. Avoid contact with eyes, skin and clothing.