

TEHNICAL DATA SHEET CLEANEX® SOLAR Scale remover for solar panels

1. OVERVIEW

CLEANEX SOLAR is an acidic solution specially designed for cleaning the deposits formed in the circuits of solar installations, characterized by high working temperatures, which favor the decomposition of antifreezes and the formation of insoluble banks and polymers.

It can also be used successfully to clean degraded antifreeze from other types of installations.

CLEANEX SOLAR is added with corrosion inhibitors that ensure the protection of iron, copper, stainless steel and aluminum elements or plastic and composite materials.

2. INSTRUCTIONS FOR USE

1. Dilute the scale remover with water in a proportion of 20% - 50%, depending on the degree of dirtiness of the installation, at a temperature of 20-30 °C.
2. Circulate the solution in the installation with a cleaning pump with plastic tank and check valve, 30-50 minutes with reversal of direction or with the installation pump.
3. Follow the phenomenon of removing the deposits, if the washing liquid is very charged (brown-black color), it is evacuated from the installation and a new solution of CLEANEX SOLAR 10%-20% is introduced.
4. The reaction is accelerated if the recirculated solution can be heated to 40-50°C.
5. After descaling, the installation is emptied and washed thoroughly with water.
6. Recharge the pump with a 1%-4% ALKALINE NEUTRALIZER solution that circulates for 5-10 minutes. It is rinsed with water, until a neutral pH - measured with a pH determination kit, or with a pH-meter.
7. In order for the cleaned system to function properly, it is recommended to fill the installation with Solar Antifreeze from the CHEMSTAL range.

3. LABOR AND ENVIRONMENTAL PROTECTION MEASURES

Product recommended for professional use; Protective equipment must be worn when handling the concentrated solution (anti-acid gloves, protective glasses, rubber gloves or anti-acid coveralls).

The product contains polyphosphates and phosphoric acid! In case of accidental burns, consult a doctor.

The provisions regarding work and environmental safety provided in the product safety data sheet will be respected. Don't use empty packaging for food storage.

4. TECHNICAL QUALITY CONDITIONS

No.	CHARACTERISTICS	VERIFICATION METHOD	PROVIDED VALUES
1	Appearance	visual	yellowish
2	pH, max	EN ISO 4316	2
3	Corrosion on cooper, in a 1:1 ratio with water, 3h at 40 °C	SR EN ISO 2160	pass
4	Corrosion on aluminium, in a 1:1 ratio with water, 3h la 40°C	SR EN ISO 2160	pass

Packing: plastic drums of 5 kg and 10 kg.

Warranty period: 3 years in storage.