

MULTISEAL SOF

Multiseal SOF is a premixed, vaporizing-safe liquid heating fluid for solar heating. Produced from 1,2-Propanediol (glycol). Contains inhibitors

Multiseal SOF is especially suitable as a heating fluid in closed solar heating systems with high thermal loads (vacuum Tube solar Collectors). The content of corrosion inhibitors in Multiseal SOF protects all metal parts normally used in solar panels - even in mixed installations - from corrosion, aging and clogging. Glycol/water mixtures should not be used in facilities with hot galvanized pipes.

Important: Multiseal SOF should not be mixed with other solar panel liquids (heat carriers) and should not be mixed with water. Loss of solar fluid must be replaced only with Multiseal SOF.

Instructions

To get the full benefit of corrosion protection and heat-carrying capacity in Multiseal SOF the product must be used according to the following guidelines:

1. Solar plant must be constructed in accordance with DIN 4757 as a closed system.
2. Before the plant is filled with Multiseal SOF, system should be flushed and tested for leaks.
3. All soldering at the plant should be hard soldering. All flux residues must be removed prior to filling with Multiseal SOF.
4. Galvanized (zinc coated) parts should not be used in the plant as they can be attacked by water/glycol mixtures.
5. After the leak test and after complete depletion, the system should be immediately filled with Multiseal SOF. Any pockets of air are removed.
6. A constant idle operation should be avoided because idle operation affects negatively the life of the product.
7. At leakage and spillage only refill with Multiseal SOF.

By observing the above guidelines the full benefits of Multiseal SOF may be achieved - ie. a working temperature range of -23 - 200 °C, as well as a prolonged anti-corrosion protection of the various metal parts of the plant.

Multiseal SOF should not be exposed to constant temperatures above 200 °C. Multiseal SOF tolerates, however briefly, temperatures up to 270 °C, but constant temperatures above 200 °C can lead to a slow thermal decay of the glycol. If Multiseal SOF is exposed to higher temperatures (above 200 °C), this can lead to a change in color of the product, but this does not necessarily affect product performance.

Leaky solar panels can be sealed with Multiseal F.

Multiseal SOF should be checked once a year.

Safety data for Multiseal SOF:

Multiseal SOF contains 1,2-Propanediol, and does not require special labeling according to EU-guidelines. Moreover, observed the usual precautions when handling chemicals. Keep out of reach of children

DISPOSAL:

Dispose by incineration at Kommunekemi or other approved incinerator.

COMPOSITION:

Propylene glycol and corrosion inhibitors - See MSDS.

MIXING RATIO:

The product is used undiluted

SHELF LIFE:

2 years from date of production.