

SOLARCLIN

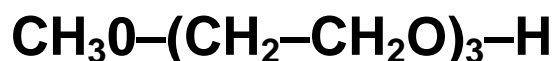


Cleaning Fluid for Solar Thermal Systems

Chemical description

Methyltriglycol, triethylene glycol monomethyl ether

2-(2-(2-methoxy ethoxy)ethoxy) ethanol



CAS No: 112-35-6. EC No: 203-962-1

Properties

SOLARCLIN is a neutral, light yellow, slightly hygroscopic, high-boiling and almost odourless liquid. It is miscible with water and commonly used organic solvents in all proportions. Because of its chemical structure it is capable to dissolve degradation products which have been formed during sustained overheating of the heat transfer fluid.

Application

In order to achieve an optimal cleaning effect it is necessary to remove the overheated fluid as completely as possible from the solar thermal system. Dilution with either solar fluid or water will lower the cleaning performance of SOLARCLIN. The collectors must be covered before starting the flushing process. After the filling of the system, SOLARCLIN is circulated for several hours at 50 to 60 °C. Higher temperatures should be avoided with regard to the sealing materials present in the solar thermal system. The duration of the flushing process depends on the extent of the contamination. After terminating the flushing, at first the fluid must be drained as completely as possible from the system. Residual amounts of SOLARCLIN that may be still present in the installation finally can be removed by rinsing with water and subsequent use of compressed air.

Advice for safe handling:

Protective measures:

The usual safety and industrial hygiene measures relating to combustible liquids and chemicals must be observed in handling SOLARCLIN. The information and instructions given in the Safety Data Sheet must be strictly observed.

Protection against fire and explosion:

Ensure adequate ventilation! Do not smoke! Take precautionary measures against static discharges! Keep away ignition sources! Keep fire extinguisher in place!

Storage:

Prevent entry of air / oxygen (peroxide formation). Store containers tightly shut in a cool and dry place.

Disposal:

In accordance with regulations for special waste, SOLARCLIN must be taken to an authorised special waste incineration plant. Pick up spilled or accidentally released product with e. g. sand, kieselgur, acid binder, universal binder or sawdust and dispose of according to the regulations.

Safety instructions:

Wear rubber gloves and safety goggles. Avoid contact with skin and eyes.



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