

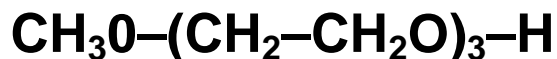
# SOLARCLIN



## Cleaning Fluid for Thermal Solar Systems

### Chemical nature

Triethylene glycol monomethyl ether



CAS-No: 112-35-6; EINECS-No: 203-962-1

### Properties

SOLARCLIN ist 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. Due to its chemical structure, SOLARCLIN is capable to remove water-insoluble thermal degradation products of propylene glycol which have been formed in vacuum tube collectors during sustained overheating of the solar fluid.

### Application

The cleaning effect of SOLARCLIN decreases when diluted with water or solar fluid, respectively. It is therefore important to empty the installation as completely as possible before filling it with SOLAR-CLIN. The collectors must be covered to avoid unadmissibly high temperatures. We recommend to circulate the system for 1-2 hours at 50-60 °C. Elevated temperatures should be avoided with respect to sealing materials and elastomers like EPDM commonly used in thermal solar systems. Severe contamination of the system may require prolonged time of circulation. After the flushing has been terminated, the system must be drained completely again before filling it with fresh solar fluid. Residual amounts of SOLARCLIN must be removed by using compressed air.

### Handling

#### **1. 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 Material Safety Data Sheet must be strictly observed.

#### **Measures to prevent fire / explosion:**

Ensure adequate ventilation! Do not smoke! Take precautionary measures against electrostatic load-ing! 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.

#### **2. Disposal**

In accordance with regulations for special waste, product must be taken to an authorised special waste incineration plant. Pick up spilled / accidentally released SOLARCLIN with suitable absorbent material and dispose of according to the regulations.

#### **3. Safety Measures**

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



TYFOROP Chemie GmbH

Anton-Rée-Weg 7 D-20537 Hamburg Tel./Fax: +49 (0)40 -20 94 97-0/20 e-mail: info@tyfo.de

09/05