



## SL - SOLAR LIQUID CONCENTRATE

INDEX	5L	599 010 048
	10L	599 010 001
	20L	599 010 005
	200L	599 010 017

SL - solar liquid - concentrate is an aqueous solution containing practically non-toxic pure propylene glycol, corrosion inhibitors, stabilizing additives. It is produced in green color as a standard. On customer's request it is possible to produce liquid in other color.

### Solar liquid description

SL - solar liquid - concentrate protects installations against low temperatures, metal corrosion processes, deposits, development of biological life. It is neutral to most plastics and seals used in installations and pumps. They are biodegradable, have significantly reduced toxicity, do not undergo phase separation. Used to produce solar liquids that provide effective corrosion protection for min. 3 years. With proper concentration of the concentrate in the liquid the operating period can be significantly extended.

The concentrate contains approximately 93% pure propylene glycol with corrosion inhibitors and is used to prepare operating liquid solutions for flat plate and vacuum collectors. The concentrate is dissolved with demineralised water with a hardness of not less than 3.4 dH to the required liquid concentrations. Liquid losses in installations should only be replenished with SL liquids or concentrate. Using less than 33% concentrate in solution is not recommended.

**SL - solar fluid - hygienically certified by PZH (Polish National Institute of Public Health)**

The material safety data sheet and product technical specifications contain all the necessary data on the safe use of SL liquids and on what to do in the event of an accident or leakage of the liquid. Used SL liquids can be disposed of in accordance with local laws in waste incineration plants or biological treatment plants. SL liquids that are not classified as hazardous substances are not covered by regulations: RID, ADR, ADN.

### Share of concentrate and water in the solar liquid

Crystallization temperature (°C)	Concentrate volume %	Water volume %	Density at 20 °C (g/cm <sup>3</sup> )	Viscosity at 20 °C (mm <sup>2</sup> /s)
-15	35	65	1,027	5
-20	40	60	1,032	7
-25	44	56	1,038	8
-28	45	55	1,039	9
-29	46	54	1,039	9
-30	47	53	1,040	10
-35	52	48	1,042	12
-39	55	45	1,046	14

