



## BP 100 SOLAR PLUS -30

Heat transfer fluid for flat and vacuum solar panels, with long duration, not suitable with aluminum and its alloys, neither with welding tin alloys

10 l - COD. 301001005

20 l - COD. 301001006

### CHEMICAL AND PHYSICAL FEATURES

FORMAT	10litre/20 litres
PHYSICAL APPEARANCE	Liquid
pH	11,3
DENSITY (KG/DM <sup>3</sup> AT 20°C)	1,28 g/cm <sup>3</sup>
COLOUR	Colorless
ODOUR/FRAGRANCE	Light
DOSAGE	100%
SOLUBILITY IN WATER	Completely miscible

### PACKAGING FEATURES

	10 L	20 L
NUMBER OF PIECES PER BOX	1 pc	1 pc
NUMBER OF PIECES PER EPAL PALLET	60 tanks	36 tanks
BOX DIMENSIONS	H: 33 L:19 P: 22	H: 39 L:24 P: 28
EPAL PALLET DIMENSIONS	80x120x108 cm	80x120x130 cm
PRODUCT WEIGHT	10,45 kg	20,90 kg
BOX WEIGHT	10,45 kg	20,90 kg
EPAL WEIGHT	647 kg	772,4 kg
CUSTOMS CODE *	3820.00.00	3820.00.00
BARCODE EAN 13	8050616510068	8054633849255

\* Data updated in May 2016

## ADVANTAGES

- High thermal conductivity, low viscosity
- Product with inorganic base
- Suitable for thermal load up to 220°C
- Non-toxic

## BENEFITS

- Low environmental impact
- Extension of the system duration
- Reduction of energy consumption visible on your bill
- High efficiency of the system during the time

## MAIN FEATURES

BP 100 SOLAR PLUS -30 has a good safety, toxicological and environmental profile and it is the best solution on the market for all application of heat transfer through liquid, from a technical/performance point of view. BP 100 SOLAR PLUS - 30 has excellent thermodynamic properties: high specific heat, high thermal conductivity, low viscosity to low temperatures. This product, thanks to its chemical composition, is suitable for being used in domestic solar thermal applications. BP 100 SOLAR PLUS - 30 contains a pocket of corrosion inhibitors perfectly balanced, non-toxic and free of nitrites, nitrates, amines, borates, molybdates and vanadates. Thanks to this inhibitors package, BP 100 SOLAR PLUS -30 is compatible with metal materials (exceeds ASTM D 1384 test on corrosion in Glassware). The anticorrosive package contained inside the product satisfies all limits imposed by ASTM D 3306 or ASTM 5216 specification developed for conventional anti-freeze blends with ethylene and propylene

glycol base, except for welding tin alloy. This metal alloy can be anyway, replaced by silver welding or brass/zinc alloy. Heat exchange liquid for secondary circuits, subjected to heating loads exceeding 200°C. Specific for vacuum manifold subjected to common stagnation conditions, during which glycols used in these applications irreversibly degrade. BP 100 SOLAR PLUS – 30 keeps its density and fluidity stable during the time. **IMPORTANT:** this product is not compatible with aluminum components and its alloys. Periodically control the product efficiency with specific items.

## APPLICATION AND USE

### HOW TO PROCEED:

Pre-mixed product, to be used pure (not diluted), to guarantee a protection till temperatures of – 30°C. This product is not flammable nor combustible, not toxic and rapidly biodegradable; it has an oxygen requirement (COD) very reduced.

## SIMILAR PRODUCTS

### 1. BP 500E Solar

10l - COD. 301001001  
20l - COD. 301001002

### 2. BP 100 Solar

10l - COD. 301001003  
20l - COD. 301001004

### 3. BP 500

1l - COD. 300804001  
10l - COD. 300804002  
20l - COD. 300804003

### 4. BP 500E

10l - COD. 300804004  
20l - COD. 300804005



## TO BE USED WITH:

### 1. Transformer PFH 55

COD. 301301012

### 2. Transformer PHF 85

COD. 301301013

### 3. Pulisci Prova Impianti Media

COD. 301301010

### 4. Pulisci Grandi Impianti

COD. 301301011

### 5. Hyperflush 36

COD. 301301001

### 6. Pompa Flux Solar

COD. 301003001



## OFFER DESCRIPTION

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Heat exchange liquid for secondary circuits, subjected to heating loads exceeding 200°C. Specific for vacuum manifold subjected to common stagnation conditions, during which glycols used in these applications irreversibly degrade. BP 100 SOLAR PLUS - 30 keeps its density and fluidity stable during the time.

## COMPLIANCE

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BP 100 SOLAR PLUS -30 is a product designed for the treatment of water primary circuit of a solar heating system. Water treatment of domestic heating systems is specified inside Regulation UNI-CTI 8065/89, decree 26/2015 and Regulations UNI-CTI 8364/84 and UNI-CTI 9317/89. These Regulations respond to European directive 2010/31/UE on energetic performance inside buildings.

## WARNINGS / STORAGE

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In case of partial integration of the system, do not absolutely refill the circuit to be treated with water, to avoid dangerous corrosion effects inside the system. In case of other pre-existing liquids replacement, it is highly recommended to rinse carefully the circuit, to eliminate any other trace of chemical products that can interact and modify BP 100 SOLAR PLUS -30 features. Store the original sealed containers in a cool well-ventilated place, away from heat sources. Keep the container tightly closed if not used. For further information consult the related safety data sheet.

## ORIGIN OF THE PRODUCT

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 Made in Italy

TDS. 380.00  
Date of issue: 10/05/2016  
Date of revision: 11/12/2017

