

SAFETY DATA SHEET 1

CF-SOL-PG20-10



1. PRODUCT AND COMPANY IDENTIFICATION

Product name CF-SOL-PG20-10 (PG20 Antifreeze)
Supplier Solar Shop Europe Ltd (TheSolarShop)
Address Interoute, Rycote Lane, Thame, Oxon, OX9 2JB
Telephone No. 01844 215158
E-Mail info@thesolarshop.eu

2. COMPOSITION / INFORMATION ON PRODUCT COMPONENTS

Hazardous components for EC

COMPONENT NAME	CAS no	CONCENTRATION	R PHASES	CLASSIFICATION
1. Propane-1,2-diol	57-55-6	4-45%		Not Classified

3. HAZARD IDENTIFICATION

Main hazards NOT classified as a hazard or environmental hazard under current legislation

4. FIRST AID MEASURES

Health effects – Eyes
Health effects – Skin

Wash eyes promptly and rinse for 15 minutes. Get medical attention.
Remove affected person from source of contamination. Wash skin with a soap or mild detergent.
Get medical attention. Rinse mouth thoroughly. DO NOT induce vomiting.
Remove person to fresh air at once. Perform artificial respiration if breathing has stopped. Keep the affected person warm and at rest. Get medical attention.

Health effects – Ingestion
First aid - Inhalation

5. FIRE FIGHTING MEASURES

Extinguishing media
Special hazards of product
Protective equipment for fire fighting

Alcohol resistant foam. Carbon Dioxide (CO₂). Dry chemicals and dolomite etc.
Acrid smoke / fumes. Carbonyl compounds. Acetic acid.
Wear self contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions
Environmental precautions
Spillages

No special precautions necessary.
Prevent the material from entering drains or water courses without pre-treatment.
Clean with absorbent material and dispose.

7. HANDLING AND STORAGE

Handling

No special measures necessary.
Protect against fire and explosion. Take precautionary measures against static discharge.

Storage

Containers should be : tightly sealed and dry. Can be made from stainless steel. Do not use zinc.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

See section 7
Engineering control measures

Engineering methods to prevent or control exposure are preferred.
Methods include process or personnel enclosure, mechanical.
Ventilation (dilution and local exhaust), and control of process conditions.
Respiratory protection if there is a risk of exposure to high vapour concentrations.
PVC gloves.
Chemical goggles or face shield must be worn
Wear overall or apron.

Respiratory protection
Hand protection
Eye protection
Body protection

SAFETY DATA SHEET 2

CF-SOL-PG20-10



9. PHYSICAL AND CHEMICAL PROPERTIES

Physicals state	Liquid.
Colour	According to specification.
Odour	Almost odourless
pH at 500g/1,20°C	Range between 8.5 – 9.5
Density (g/cm ³)	1.02 – 1.03

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions.
Conditions to avoid	Naked flames and sparks.
Materials to avoid	Powerful oxidizing agents.
Hazardous decomposition products	None provided the product is correctly processed.

11. TOXICOLOGICAL INFORMATION

Acute toxicity	ID 50/oral/rate: >20000mg/kg
Irritancy – Eyes	This material is irritating to mucous membrane / eyes.
Irritancy – Skin	This material is non-irritant (Draize test) to the skin.

12. ECOLOGICAL INFORMATION

Mobility	The product will dissolve rapidly in water.
Ecotoxicity	The product is rated as: Algae EC50 (72h) : >100mg/1. Fish : LC50 (96h) : 100mg/1, Oncorhynchus mykiss Bacteria: >1000mg / 1 Daphnids (acute) EC50 (48h):>100mg/1

13. DISPOSAL

Product disposal	Dump according to local regulations use EWC-no: 070104
Container Disposal	Containers should be cleaned by appropriate methods and then re-used or disposed in same manner as contents.

14. TRANSPORT INFORMATION

IATA	Not regulated.
IMO	Not regulated.
ADR/RID – Class	Not regulated.

15. REGULATORY INFORMATION

Labeling information	According to EEC directives – not subject to labeling.
R Phrases	n/a
S Phrases	n/a
EC Annex I Classification	n/a

16. OTHER INFORMATION

MSDS first issued	1-May-01
MSDS data revised	7-Jul-07

Footnote	The above information is believed to be accurate. The sole purpose of the datasheet is to provide guidance on the safe handling and use of the respective product. It does not form part of any product specification or contract. It is not practical for the information to cover every conceivable application of the product. It is the responsibility of the user to evaluate the information for their own particular purpose. In no event shall the company be held liable for any injury, loss or damage resulting from its use.
----------	--