SAFETY DATA SHEET

GeoPro - Heat Transfer Fluid

Original Innogreen MSDS version	Version 5.0 · 03.2026
Reference / revision	REF: GEOPRO · Date: 03.2026 · Supersedes: Version 4.0
Original supplier	Innogreen-Chem B.V. · Laanweg 8, 3208 LC Spijkenisse, The Netherlands

1. Identification of the Substance

1.1 Product:	GeoPro – Heat Transfer Fluid
1.2 Identified use:	Refrigerating liquid for Closed Loop Ground and Water Source Heat Pumps.

Restrictions: Do not use for purposes other than the identified uses.

1.3 Supplier

Company:	Innogreen-Chem B.V.
Address:	Laanweg 8, 3208 LC Spijkenisse, The Netherlands
Phone:	+31 858 000 426
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1.4 Emergency Telephone: +31(0)243529841

2. Hazard Identification

2.1 Classification:	NOT a hazardous substance or mixture (EC Directives 67/548/EEC / 1999/45/EC).
2.2 Labelling:	No labelling required under EC directives or respective national laws.
2.3 Other hazards:	This mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT) or very persistent and very bioaccumulating (vPvB).

3. Composition / Information on Ingredients

3.2 Mixtures: No dangerous ingredients according to Regulation (EC) No. 1907/2006 (REACH).
This product contains no classified hazardous substances. Full composition details are available on request from Innogreen-Chem B.V.

4. First Aid Measures

4.1 Description of First Aid Measures

Inhalation	Move to fresh air. Call a physician if symptoms occur.
Skin Contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.
Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Obtain medical attention.
Ingestion	Rinse mouth. A few gulps of water may be drunk to reduce irritation. Obtain medical attention.

4.2 Symptoms: May dry out skin and cause irritation.
4.3 Medical attention: No specific information available. Treat symptomatically.

5. Fire Fighting Measures

The product itself does not burn.

5.1 Extinguishing media:	Product does not burn. Use media appropriate to surrounding fire.
5.3 Protective equipment:	Use personal protective equipment appropriate for fire-fighting.
5.4 Specific methods:	Water mist may be used to cool closed containers.

6. Accidental Release Measures

6.1 Personal precautions: Avoid contact with skin and eyes. Use personal protective equipment.
6.2 Environmental precautions: No special environmental precautions required.
6.3 Containment & cleanup: Dilute with plenty of water. Take up mechanically and collect into suitable containers for disposal. Small amounts can be rinsed into the drains with plenty of water.
Must be disposed of in accordance with local and national regulations.

7. Handling & Storage

7.1 Safe Handling

Handle and open containers with care. Wear personal protective equipment. Use only in areas provided with appropriate exhaust ventilation.

7.2 Safe Storage

Keep containers tightly closed in a dry, cool and well-ventilated place. Protect from sunlight.

Materials to avoid	Strong acids, galvanized surfaces, aluminium
Specific end use	Refrigerating liquid / Coolant

8-9. Exposure Controls / Personal Protection

8.1 Exposure limit values: Contains no substances with occupational exposure limit values.

9.1.1 Engineering Controls

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. Ensure that eyewash stations and safety showers are close to the workstation location.

9.1.2 Personal Protective Equipment (PPE)

Hand protection	Protective gloves complying with EN 374. Glove material: PVC or Neoprene.
Eye protection	Tightly fitting safety goggles.
Skin & body protection	Protective suit.
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment (filter A-P2).

10. Physical & Chemical Properties

Odour	None Appreciable
Physical State	Liquid
pH	9.0 – 10.0
Freezing Point	-45°C
Boiling Point	>100°C
Flash Point	N/A
Lower Explosion Limit	N/A
Upper Explosion Limit	N/A
Water Solubility	Completely Soluble

Thermal Decomposition	>168°C
Viscosity	<30 mPa·s

10.1 Reactivity: Reacts with strong acids.

10.2 Chemical stability: Stable under normal conditions.

10.3 Hazardous reactions: Reacts with strong acids.

10.4 Conditions to avoid: High temperatures.

10.5 Incompatible materials: Strong acids & galvanized surfaces.

10.6 Decomposition products: Thermal decomposition: >160°C.

11. Toxicological Information

11.1 Toxicological Effects

Acute toxicity:	LD50/Oral/rat: >2,000 mg/kg (low toxicity category).
Skin irritation:	May dry out skin and cause irritation on repeated or prolonged contact.
Sensitisation:	No data available.
Long-term toxicity:	No data available.

11.2 Human Experience

Skin (repeated exposure): Redness, dry skin, eczema.

Ingestion symptoms: Nausea, vomiting, stomach ache, stomach cramp.

12. Ecological Information

12.1 Aquatic toxicity: No data available.

12.2 Biodegradability: Readily biodegradable (>95% / 14 days). BOD: 100 mg/g (5 d). ThOD: 110 mg/g.

12.3 Bioaccumulation: The product is not expected to bioaccumulate.

12.4 Mobility in soil: Completely water soluble. Surface tension: no data available.

12.5 PBT / vPvB assessment: No PBT or vPvB substances present in this mixture.

12.6 Other adverse effects: None known.

13. Disposal Considerations

13.1 Waste treatment: Dispose of in compliance with local and national regulations.

Containers: Refer to manufacturer/supplier for information on recovery and recycling.

14. Transport Information

Not classified as dangerous goods for road, sea or air transport.

14.1 Land transport (ADR/RID): Not classified as dangerous goods.

14.1 Sea transport (IMDG): Not classified as dangerous goods.

14.1 Air transport (IATA): Not classified as dangerous goods.

14.2 Special precautions: Not classified as dangerous goods.

15. Regulatory Information

15.1 Water class (Germany): WGK 1 – Slightly water endangering.

15.2 Chemical Safety Assessment: No Chemical Safety Assessment has been carried out.

16. Other Information

Training

Read the Safety Data Sheet before using the product.

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Sources of key data: Regulations, databases, literature, own tests.

Additions, Deletions, Revisions: Relevant changes have been marked with vertical lines.

End of Safety Data Sheet · REF: GEOPRO · Version 5.0 · 03.2026

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