

SAFETY DATA SHEET

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Preparation date: 03.03.2026 Revision: 1.0 Page 1 of 7

Glycol Probe Solution (60% Propylene Glycol / 40% Water)

SECTION 1: Identification

Product name: Glycol Thermal Buffer Bottle 30ml
Product code: KHWSN103F010
Mixture: 60% Propylene Glycol (USP) / 40% Distilled Water
Identified use: Temperature monitor probe immersion fluid
Uses advised against: Not for human consumption. Not for use as a food additive.
Manufacturer: Kontakt Micro-Location Sp. z o.o.
Address: Stoczniewców 3, 30-709 Kraków, Poland
Phone (US): +1 415-295-4558
Phone (PL): +48 123 793 445
Emergency tel.: 800-255-3924 (US) / 112 (EU)

SECTION 2: Hazard(s) Identification

GHS classification: Not a hazardous substance or mixture

Signal word: None

Hazard statements: None

Precautionary statements: None

Hazards not otherwise classified: None

This product is classified as non-hazardous under GHS/OSHA HazCom 2012. Propylene glycol (USP grade) is recognized as generally safe (GRAS) by the FDA.

SECTION 3: Composition / Information on Ingredients

Component	CAS Number	Weight %	Classification
Propylene Glycol (USP)	57-55-6	60%	Not classified as hazardous
Distilled / Purified Water	7732-18-5	40%	Not classified as hazardous

SECTION 4: First Aid Measures

After inhalation:

Not expected to be an inhalation hazard. If mist is inhaled, move to fresh air. Seek medical attention if symptoms persist.

After skin contact:

Wash affected area with soap and water. If irritation develops or persists, seek medical attention.

After eye contact:

Rinse eyes gently with water for 15–20 minutes. If symptoms develop or persist, seek medical attention.

After swallowing:

Rinse mouth thoroughly. Propylene glycol USP is low in toxicity. Seek medical attention if discomfort or vomiting persists.

SECTION 5: Firefighting Measures

Suitable extinguishing media: CO₂, dry chemical, foam, water spray. Do not use direct water stream on burning liquid.

Special hazards: Thermal decomposition may release irritating vapors. Flash point: 103°C (217°F) — not considered flammable at normal use temperatures.

Protective equipment for firefighters: Self-contained breathing apparatus (SCBA) and full protective clothing.

SECTION 6: Accidental Release Measures

Personal precautions: No special precautions required. Ensure adequate ventilation. Avoid prolonged skin contact.

Environmental precautions: Prevent large quantities from entering drains, waterways, or soil.

Clean-up methods: Absorb with inert material (sand, vermiculite). Collect in suitable containers for disposal. Rinse area with water.

SECTION 7: Handling and Storage

Handling: Avoid prolonged contact with skin and eyes. Do not eat, drink, or smoke when handling. Wash hands after use.

Storage: Store in a cool, well-ventilated area in a tightly closed container. Keep away from heat sources and open flames. Recommended storage temperature: 5°C–30°C (41°F–86°F).

Shelf life: 24 months from preparation date when stored properly.

SECTION 8: Exposure Controls / Personal Protection

Occupational exposure limits: Propylene Glycol — WEEL TWA: 10 mg/m³ (vapor/aerosol)

Engineering controls: General ventilation sufficient under normal use conditions.

Eye/face protection: Safety glasses recommended when risk of splashing.

Skin protection: Chemical-resistant gloves recommended for prolonged contact.

Respiratory protection: Not required under normal use. Use NIOSH-approved respirator if misting occurs.

SECTION 9: Physical and Chemical Properties

Appearance:	Clear, colorless liquid
Odor:	Slight, characteristic
pH:	~7 (neutral)
Boiling point:	~105°C (221°F) — mixture
Freezing point:	Approx. -53°C (-65°F) — 60/40 mixture
Flash point:	>93°C (>200°F)
Density:	~1.025 g/cm ³ at 25°C
Solubility in water:	Fully miscible
Viscosity:	Low to moderate
Vapor pressure:	Low

SECTION 10: Stability and Reactivity

Reactivity: Does not react under normal conditions of use and storage.

Chemical stability: Stable under normal conditions.

Conditions to avoid: High heat, open flames, strong oxidizing agents.

Incompatible materials: Strong oxidizers, strong acids, strong bases.

Hazardous decomposition products: None under normal conditions.

SECTION 11: Toxicological Information

Acute toxicity (Propylene Glycol): Oral LD50 (Rat): 21,000–33,700 mg/kg — practically non-toxic.

Skin corrosion/irritation: Not classified. May cause mild irritation with prolonged contact.

Eye irritation: Not classified. May cause mild transient irritation.

Carcinogenicity: Not listed by IARC, NTP, or OSHA.

Reproductive toxicity: Not classified.

Overall assessment: Based on available data, this mixture does not meet criteria for hazard classification under GHS.

SECTION 12: Ecological Information

Aquatic toxicity (Propylene Glycol): LC50 (fish, 4 days): 40,613 mg/L — low acute aquatic toxicity.

Persistence and degradability: Propylene glycol is readily biodegradable (BOD5/ThOD > 60%).

Bioaccumulative potential: Not expected to bioaccumulate.

Environmental precaution: Avoid releasing large quantities into waterways or sewage systems.

SECTION 13: Disposal Considerations

Dispose of contents and container in accordance with local, regional, and national regulations. Small quantities may be disposed of via drain with large amounts of water where local regulations permit. Do not dispose of undiluted product in large quantities to drains or waterways.

SECTION 14: Transport Information

This product is **not regulated** as a dangerous good under DOT (49 CFR), IMDG, or IATA-DGR regulations.

UN number: Not regulated

Proper shipping name: Not regulated

Hazard class: None

Packing group: None

Environmental hazards: None

SECTION 15: Regulatory Information

TSCA (US): Propylene Glycol (CAS 57-55-6) — Listed. Water (CAS 7732-18-5) — Listed.

SARA Section 311/312: Acute: No | Chronic: No | Fire: No | Pressure: No | Reactive: No

SARA Section 313: Not listed.

California Prop 65: Not listed.

EU REACH: Both components are registered or exempt. This mixture does not require classification under CLP Regulation (EC) No 1272/2008.

NFPA Rating: Health: 0 | Flammability: 1 | Reactivity: 0

SECTION 16: Other Information

Preparation date: March 03, 2026

Prepared by: Kontakt Micro-Location Sp. z o.o., Kraków, Poland

Disclaimer: The information contained herein is provided in good faith and is believed to be accurate as of the date of preparation. This SDS is intended for use with the specific product as described. The user is responsible for determining the suitability of this product for a particular use and for complying with all applicable laws and regulations. Kontakt Micro-Location Sp. z o.o. makes no warranty of any kind, expressed or implied, regarding this information.