

SECTION 1: Identification of the substance/mixture and of the Manufacturer

Chemical Name: PFTB-5P

Manufacturer Product Name: PermaTherm® Liquid inside Thermometer

Recommended uses of the chemical/product: PermaTherm® is the thermometric fluid in a PermaTherm® filled glass thermometer. The PermaTherm® liquid expands or contracts with change in temperature. The thermometer will have approximately 2 cc of liquid. The liquid is dyed with a blue aniline dye.

Manufacturer Details: Miller-Weber of Texas
6952 Lawndale Street
Houston, TX 77023
713-926-2623 Fax: 713-926-7736

Emergency Telephone Number: Chem-Tel, Inc. (Contract Number: MIS0003159)
1-800-255-3924

SECTION 2: Hazards Identification

OSHA Hazard Communication (CFR 1910.1200): Not classifiable as a hazardous material.

Hazard Classification of the chemical (GHS-US Hazard Pictograms): None

Signal word (GHS-US): None

Hazard statements (GHS-US): None

Precautionary statements (GHS-US): None

NFPA/HMIS Ratings (0-4) (Non-GHS): Health: 0, Flammability: 1, Reactivity: 0, PPG: See Section 8 below.

SECTION 3: Composition/Information on Ingredients

Name	Product Identifier	Weight %
PFTB-5P	No data available	99-100

SECTION 4: First aid measures

Description of first aid measures

After inhalation: If a person breathes large amounts of this chemical, move the exposed person to fresh air at once.

After skin contact: If a person feels unwell or symptoms of skin irritation appear, consult a physician.

After eye contact: If this chemical contacts the eyes, promptly wash (irrigate) the eyes with large amounts of water, occasionally lifting the lower and upper eyelids.

After swallowing (ingestion): Seek medical advice immediately.

Most important symptoms and effects, both acute and delayed: Skin contact may result in redness, pain or dry skin.

Indication of any immediate medical attention and special treatment needed No data available. No data available on target organs.

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing agents: Use extinguishing media suitable for surrounding materials.

Unsuitable extinguishing media: No data available.

Special hazards arising from the substance or mixture No data available.

Advice to firefighters:

Firefighting instructions: No data available.

Protective equipment for firefighters: No data available

Hazardous decomposition products: Carbon oxides. Closed containers may explode from heat of a fire.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

General measures: If thermometer breaks, wipe up liquid with disposable wiping cloth. Allow to dry under a fume hood and discard or discard into spark and explosion proof waste receptacle.

Personal precautions: Use personal protective equipment. Ensure adequate ventilation.

Protective Equipment: Safety glasses

Emergency procedures: In case of a spill and/or a leak, always shut off any sources of ignition, ventilate the area, and exercise caution.

Environmental precautions: Prevent product from entering drains and sewers

Methods and material for containment and cleaning up: Carefully clean up broken glass. Wipe up liquid immediately after putting on protective equipment.

Reference to other sections: No additional information available.

SECTION 7: Handling and storage

Precautions for safe handling

Handle and store thermometer in such a way to prevent breakage. Provide good ventilation in case of breakage. Follow safe industrial hygiene practices and always wear proper protective equipment when handling liquid from broken thermometer.

Hygiene measures

Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not eat, drink or smoke when using this product.

Conditions for safe storage, including any incompatibilities

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Store thermometer in such a way to prevent breakage. Store away from direct sunlight, sources of intense heat, or where freezing is possible. Store away from oxidizing agents.

SECTION 8: Exposure controls/personal protection

Exposure limits: No data available.

Appropriate Engineering controls: Follow safe industrial engineering/laboratory practices when handling any chemical.

Personal Protective Equipment (if thermometer breaks)



Hand Protection: Wear protective gloves.

Eye Protection: Safety glasses.

Respiratory Protection: If necessary, be sure to use a MSHA/NIOSH approved respirator or equivalent.

Skin and Body Protection: Lab coat.

SECTION 9: Physical and chemical properties

Appearance (physical state, color)	Blue dyed liquid	Explosion Limit (upper and lower)	No data available
Odor	Pungent	Vapor pressure	No data available
Odor threshold	No data available	Vapor density	No data available
pH value	7	Relative density	0.99 at 15.6 °C
Melting/Freezing point	No data available	Solubilities (at 25 °C)	Soluble in water: insoluble
Boiling point/ Boiling range	262 °C	Partition coefficient (n-octanol/water)	No data available
Flash point	129 °C	Auto/Self-ignition temperature	No data available
Evaporation rate	No data available	Decomposition temperature	No data available
Flammability (solid, gaseous)	No data available	Viscosity (kinematic)	No data available
Upper/Lower flammability limits	No data available	Viscosity (dynamic)	No data available

SECTION 10: Stability and reactivity

Reactivity: Not Available

Chemical stability: Stable under recommended storage conditions. (See Section 7)

Possibility of hazardous reactions: No hazardous reactivity has been reported.

Conditions to avoid: Avoid excessive heat and light.

Incompatible materials: Oxidizing agents.

Hazardous decomposition products: No data available.

SECTION 11: Toxicological information

Acute toxicity: Oral LD50: 6330 mg/kg – species: rat.

Dermal LD50: > 5 g/kg – species: rabbit;

Skin corrosion/irritation: skn-rbt 500 mg/24 h MLD

Serious eye damage/irritation: No data available

Respiratory or skin sensitization: No data available.

Germ cell mutagenicity: No data available.

Carcinogenicity: No data available from IARC, NTP or OSHA.

Reproductive toxicity: No data available.

See Section 4 of the SDS for most important symptoms and effects, both acute and delayed for inhalation, skin contact, eye contact, ingestion and chronic symptoms of PFTB-5P exposure.

SECTION 12: Ecological information

Exotoxicity: No data available (fish crustacean, algae)

Persistence and degradability: No data available.

Bioaccumulative potential: No data available.

Mobility in soil: No additional information available.

Other adverse effects: No data available.

SECTION 13: Disposal considerations

Waste disposal recommendations: Observe all federal, state and local regulations when disposing of the substance.

Ecology – waste materials: Avoid release to the environment.

SECTION 14: Transport information

Non-hazardous for transportation DOT (US), IATA, IMDG

SECTION 15: Regulatory information

United States (USA): This product is on the EPA Toxic Substances Control Act (TSCA) inventory.

Not Listed on any other US Federal or State Regulations (including California Proposition 65)

SECTION 16: Other information

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No previous publication of SDS by Miller-Weber of Texas