

SAFETY DATA SHEET**Distilled Water**

SDS Number	PT-DW-001
Version / Revision	1.0
Recommended Use	Laboratory, industrial, commercial, and equipment use where distilled water is required.
Supplier	Puretap Water Distillers Ltd. 950 Verbena Road Mississauga, Ontario L5T 1T6 Phone: 905-670-7400 Email: order@puretap.ca
Emergency Telephone	905-670-7400 (business hours). For medical emergencies, contact local emergency services or a poison control centre.

1. Identification

Product identifier	Distilled Water
Other means of identification	Purified water; steam distilled water; CAS No. 7732-18-5
Recommended use	Laboratory, industrial, commercial, humidification, batteries, equipment, and general use requiring distilled water.
Restrictions on use	Not intended for injection, sterile medical use, or use as a drug unless specifically labelled and certified for that purpose.
Supplier identifier	Puretap Water Distillers Ltd., 950 Verbena Road, Mississauga, ON L5T 1T6, Canada
Telephone	905-670-7400

2. Hazard Identification

GHS / WHMIS classification	Not classified as hazardous under normal conditions of use.
Signal word	None.
Hazard pictograms	None.
Hazard statements	None required.
Precautionary statements	None required for normal handling. Good housekeeping practices are recommended to prevent slips from spills.
Other hazards	Spilled liquid may create a slipping hazard. Product is not flammable.

3. Composition / Information on Ingredients

Chemical name	Water
Common name / synonyms	Distilled water; purified water
CAS number	7732-18-5
Concentration	100%
Impurities / stabilizing additives	No hazardous ingredients known to supplier.

4. First-Aid Measures

Inhalation	No first aid is normally required. Move to fresh air if mist or aerosol causes discomfort.
Skin contact	No first aid is normally required. Wash with soap and water if desired.

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Eye contact	Rinse cautiously with water if irritation occurs. Remove contact lenses if present and easy to do.
Ingestion	No first aid is normally required. If large quantities are swallowed and discomfort occurs, seek medical advice.
Most important symptoms/effects	No adverse effects expected under normal conditions of use.
Immediate medical attention	Treat symptomatically.

5. Fire-Fighting Measures

Suitable extinguishing media	Use extinguishing media appropriate for the surrounding fire.
Unsuitable extinguishing media	None known.
Specific hazards	Product is not flammable and does not support combustion.
Special protective equipment	Firefighters should use protective equipment appropriate for the surrounding fire conditions.

6. Accidental Release Measures

Personal precautions	Use caution: spilled product may create a slipping hazard.
Protective equipment	No special protective equipment required under normal conditions.
Emergency procedures	Stop leak if safe to do so. Keep unnecessary traffic away from wet floor.
Environmental precautions	No special environmental precautions required.
Methods for containment/cleanup	Mop, vacuum, or absorb with inert material. Dispose of collected material according to local requirements.

7. Handling and Storage

Precautions for safe handling	Use clean containers and equipment. Avoid contamination. Keep containers closed when not in use.
Hygiene measures	Follow good industrial hygiene and housekeeping practices.
Storage conditions	Store in clean, dry, closed containers away from contaminants, chemicals, dust, and direct sunlight where practical.
Incompatible materials	None known for product as supplied. Avoid contamination with reactive chemicals.

8. Exposure Controls / Personal Protection

Occupational exposure limits	No occupational exposure limit established for water.
Engineering controls	None required under normal use.
Eye/face protection	Not required under normal use. Safety glasses may be used where splashing is possible.
Skin protection	Not required under normal use.
Respiratory protection	Not required under normal use.
Thermal hazards	Use appropriate protection when handling hot water or steam.

9. Physical and Chemical Properties

Appearance	Clear, colourless liquid
Odour	Odourless
Odour threshold	Not applicable
pH	Approximately 5.5-7.5; may vary due to dissolved carbon dioxide from air

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Melting point / freezing point	0 °C (32 °F)
Initial boiling point	100 °C (212 °F) at 1 atm
Flash point	Not applicable
Evaporation rate	Similar to water
Flammability	Not flammable
Vapour pressure	Approx. 23.8 mmHg at 25 °C
Vapour density	0.62 (air = 1)
Relative density	Approx. 1.0 at 4 °C
Solubility	Completely miscible in water
Partition coefficient	Not applicable
Auto-ignition temperature	Not applicable
Decomposition temperature	Not applicable
Viscosity	Approx. 1 cP at 20 °C

10. Stability and Reactivity

Reactivity	Not reactive under normal conditions of use.
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	None known.
Conditions to avoid	Avoid contamination and freezing if container damage may occur.
Incompatible materials	None known for product as supplied.
Hazardous decomposition products	None known.

11. Toxicological Information

Likely routes of exposure	Eye contact, skin contact, ingestion.
Acute toxicity	Not classified.
Skin corrosion/irritation	Not classified.
Serious eye damage/irritation	Not classified.
Respiratory or skin sensitization	Not classified.
Germ cell mutagenicity	Not classified.
Carcinogenicity	Not classified.
Reproductive toxicity	Not classified.
STOT - single exposure	Not classified.
STOT - repeated exposure	Not classified.
Aspiration hazard	Not classified.

12. Ecological Information

Ecotoxicity	Not expected to be harmful to aquatic life.
Persistence and degradability	Not applicable to an inorganic substance.
Bioaccumulative potential	Not expected to bioaccumulate.
Mobility in soil	Highly mobile.
Other adverse effects	None known.

13. Disposal Considerations

Disposal methods	Dispose of contents/container in accordance with local, provincial, and federal regulations.
Contaminated packaging	Recycle or dispose of containers in accordance with local requirements. Do not reuse contaminated containers for potable products.

14. Transport Information

TDG / DOT / IMDG / IATA	Not regulated as a dangerous good.
UN number	Not applicable.
UN proper shipping name	Not applicable.
Transport hazard class	Not applicable.
Packing group	Not applicable.
Environmental hazards	None known.
Special precautions	Secure containers during transport to prevent leaks or damage.

15. Regulatory Information

Canada WHMIS	Not classified as a hazardous product under normal conditions of use.
United States OSHA HCS	Not classified as hazardous under normal conditions of use.
Inventory status	Water, CAS 7732-18-5, is listed/recognized on common chemical inventories.

16. Other Information

Prepared by	Puretap Water Distillers Ltd.
Revision	1.0 - SDS updated for distilled water with clearer 16-section format.
Disclaimer	The information provided in this SDS is believed to be accurate and is offered for guidance only. Conditions of use, handling, storage, and disposal are beyond the supplier's control. Users are responsible for determining suitability and complying with applicable laws and workplace requirements.