SAFETY DATA SHEET

Water (Laboratory and Ultrapure Grades) — Ultrapure PPB, ICP-MS, IC, ULC-MS, LC-MS, HPLC, TOC, Demineralised, Double-distilled, Ammonium-free, Distilled, Nitrate-free and Particle-free grades

Prepared in accordance with 29 CFR 1910.1200 (OSHA Hazard Communication Standard, 2024 amendment / GHS Rev. 7), UN GHS, US DOT 49 CFR Parts 171–180 and Canada HPR (SOR/2015-17)

SDS number	**HP-SDS-30100-US-01**
Version / Revision	Version 1.0
Issue date	01 November 2026
Supersedes	Not applicable (first issue)
Review due	01 November 2029, or earlier if new hazard information becomes available
Companion sheet	A GB/EU sheet for supply by Highpuris Ltd will be issued separately. Do not substitute one sheet for the other — the classification is the same but the exposure limits, supply restrictions and legal references are not.

1 SECTION 1: IDENTIFICATION

1.1 Product identifier

Product name	**Water (Laboratory and Ultrapure Grades)**
Product description	Purified water supplied in laboratory, analytical and ultrapure grades (Ultrapure PPB, ICP-MS, IC, ULC-MS, LC-MS, HPLC, TOC, demineralised, double-distilled, ammonium-free, distilled, nitrate-free and particle-free). The grades differ only in the limits placed on conductivity, residual ions, organic carbon, particles and endotoxins; all carry the same (non-hazardous) classification and transport description.
Synonyms	Purified water; Deionised water; Reagent water; Aqua purificata; Eau purifiée
CAS number	7732-18-5
EC (EINECS) number	231-791-2
EU Index number	Not listed in Annex VI to CLP
REACH registration number	Not applicable — water is exempt from REACH registration (Annex IV).
Molecular formula	H_2O
Molecular weight	18.02 g/mol
Highpuris product code	**30100** — the 9-digit catalogue SKUs below are built as product code · grade · pack
Pack sizes covered	500 mL, 1 L and 2.5 L HDPE or glass bottles, 5 L HDPE containers and 25 L HDPE containers, in multi-unit shipping cases

Catalogue SKUs covered by this SDS

Grade	Specification	Pack size and SKU
Ultrapure PPB	18.2 MΩ·cm	500 mL **301000423** · 1 L **301000441** · 2.5 L **301000442** · 5 L **301000444** · 25 L **301000462**
ICP-MS grade	≥ 18.0 MΩ·cm	500 mL **301001423** · 1 L **301001441** · 2.5 L **301001442** · 5 L **301001444** · 25 L **301001462**
IC grade	≥ 18.0 MΩ·cm	500 mL **301000223** · 1 L **301000241** · 2.5 L **301000242** · 5 L **301000244** · 25 L **301000262**
ULC-MS grade	≤ 0.1 µS/cm	500 mL **301001223** · 1 L **301001241** · 2.5 L **301001242** · 5 L **301001244** · 25 L **301001262**
LC-MS grade	≤ 0.2 µS/cm	500 mL **301002223** · 1 L **301002241** · 2.5 L **301002242** · 5 L **301002244** · 25 L **301002262**

Grade	Specification	Pack size and SKU
HPLC grade	≤ 1.0 µS/cm	500 mL **301003223** · 1 L **301003241** · 2.5 L **301003242** · 5 L **301003244** · 25 L **301003262**
TOC analysis	≥ 18.0 MΩ·cm	500 mL **301004223** · 1 L **301004241** · 2.5 L **301004242** · 5 L **301004244** · 25 L **301004262**
Demineralised	≤ 5 µS/cm	500 mL **301000123** · 1 L **301000141** · 2.5 L **301000142** · 5 L **301000144** · 25 L **301000162**
Double distilled, pyrogen free	≤ 2 µS/cm	500 mL **301001123** · 1 L **301001141** · 2.5 L **301001142** · 5 L **301001144** · 25 L **301001162**
Ammonium free	≤ 2 µS/cm	500 mL **301002123** · 1 L **301002141** · 2.5 L **301002142** · 5 L **301002144** · 25 L **301002162**
Distilled	≤ 3 µS/cm	500 mL **301003123** · 1 L **301003141** · 2.5 L **301003142** · 5 L **301003144** · 25 L **301003162**
Nitrate free	≤ 2 µS/cm	500 mL **301004123** · 1 L **301004141** · 2.5 L **301004142** · 5 L **301004144** · 25 L **301004162**
Particle free	≤ 1 µS/cm	500 mL **301005123** · 1 L **301005141** · 2.5 L **301005142** · 5 L **301005144** · 25 L **301005162**

1.2 Relevant identified uses of the substance and uses advised against

- **Identified uses:** laboratory analytical reagent and diluent; blank, rinse and mobile-phase water for HPLC, LC-MS, ULC-MS and ion chromatography; sample preparation and dilution for ICP-MS and trace-metal (ppb) analysis; TOC analysis; preparation of buffers and standards; rinsing and cleaning of laboratory ware; further formulation and repackaging by professional users.
- **Uses advised against:** not for food, drug, cosmetic, medicinal, household or consumer use, and not for use as USP Purified Water or Water for Injection unless stated on the certificate of analysis. Not intended for use by the general public. Not to be used in any application resulting in human ingestion or direct dermal application.

1.3 Details of the supplier of the safety data sheet

Supplier	**Highpuris LLC** 9920 Pacific Heights Blvd, Suite 150 San Diego, CA 92121-4361 United States of America
Telephone	+1 (401) 288-1196
E-mail (SDS contact)	admin@highpuris.com · noreply@highpuris.com
Website	www.highpuris.com

1.4 Emergency telephone number

24-hour emergency (USA / Canada)	**CHEMTREC 1-800-424-9300**
24-hour emergency (international)	**CHEMTREC +1 703-527-3887** (collect calls accepted)
CHEMTREC contract number	**CCN 1024800** — Highpuris LLC, registered August 2026. Quote this number when calling; it must appear with the emergency telephone number on shipping papers under 49 CFR 172.604
Non-emergency (business hours)	+1 (401) 288-1196, 09:00 – 17:00 Pacific Time, Monday to Friday

2 SECTION 2: HAZARD(S) IDENTIFICATION

2.1 Classification of the substance or mixture

Classification under 29 CFR 1910.1200 (OSHA HCS 2024), UN GHS Rev. 7 and Canada HPR:

Not classified — this product does not meet the criteria for any physical, health or environmental hazard class under 29 CFR 1910.1200.

Water is not classified. This Safety Data Sheet is provided as a courtesy to customers whose management systems require an SDS for every chemical received.

2.2 GHS label elements

No hazard pictogram, signal word or hazard statement is required.

Signal word	**NO SIGNAL WORD**
Hazard statements	None

2.3 Other hazards which do not result in classification

- Not hazardous under the OSHA Hazard Communication Standard; no hazards not otherwise classified (HNOC) have been identified. The substance does not meet PBT or vPvB criteria under REACH Annex XIII.

- Ultrapure water is chemically aggressive: it readily leaches ions from metals, glass and some plastics and absorbs carbon dioxide from the air, so its pH drifts to approximately 5.5 – 6 and its resistivity falls once the container is opened. Use only clean, compatible containers and transfer equipment.
- Spilled water makes floors and other surfaces very slippery — a slip and fall hazard.
- Water expands on freezing. Sealed containers (particularly glass) can burst if allowed to freeze.

2.4 Unknown acute toxicity

Not applicable — not classified.

3 SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Substance — purified water. Grades differ only in the limits on residual ions, organics, particles and endotoxins; none affects classification.

Chemical name	CAS No.	EC No.	Conc. (% w/w)	GHS classification of the ingredient
Water	7732-18-5	231-791-2	100	Not classified

Water is exempt from REACH registration under Annex IV and is not listed in Annex VI to CLP.
No impurities or additives present at levels relevant to classification.

4 SECTION 4: FIRST-AID MEASURES

4.1 Description of first-aid measures

General. No hazards which require special first aid measures. If symptoms develop or persist after any exposure, obtain medical advice and show this Safety Data Sheet to the attending physician.
Inhalation. No special first aid measures are required. Move the casualty to fresh air if discomfort is experienced.
Skin contact. No special first aid measures are required. Remove wet clothing if uncomfortable and dry the skin.
Eye contact. No special first aid measures are required. Rinse with water if the eyes are uncomfortable.
Ingestion. No special first aid measures are required. Rinse the mouth and drink water if desired. Obtain medical advice if a large quantity of ultrapure water is swallowed and symptoms develop.

4.2 Most important symptoms and effects, both acute and delayed

- No symptoms or effects are expected from exposure to the product. No information is available on delayed effects.

4.3 Indication of any immediate medical attention and special treatment needed

- Treat symptomatically.

5 SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing media

- Suitable: the substance is non-flammable; use the extinguishing agent most appropriate to the surrounding fire.
- Unsuitable: none known.

5.2 Special hazards arising from the substance or mixture

- Non-combustible. None reasonably foreseeable. Flash point: not applicable.
- Hazardous combustion products: none under normal use conditions.
- Containers exposed to fire may rupture from steam pressure; cool them with water spray.

5.3 Advice for fire-fighters

- As in any fire, wear a positive-pressure self-contained breathing apparatus (MSHA/NIOSH-approved or equivalent) and full protective gear.
- Fire-fighting water from the surrounding fire may carry contaminants; prevent run-off from entering drains and watercourses where the main fire involves other materials.
- No ERG guide applies — the product is not regulated as a dangerous good.

6 SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel. If spilled, take care: the material can make surfaces very slippery. Restrict access to the wet area and warn others. No special personal protective equipment is required for the product itself; wear non-slip footwear.

For emergency responders. No special protective equipment is required for the product itself. Wear PPE appropriate to any other materials involved in the incident.

6.2 Environmental precautions

- No special environmental precautions are required.
- Release to the sewer or to soil is acceptable subject to local consent; no reporting obligation applies (not a CERCLA hazardous substance).

6.3 Methods and material for containment and cleaning up

- Stop the leak if this can be done safely. Upright leaking containers.
- Soak up with inert absorbent material or mop up, and wipe the surface dry to remove the slip hazard.
- Dispose of the collected liquid and absorbent in accordance with local regulations (see Section 13).
- Spilled ultrapure water cannot be returned to the original container — it is contaminated on contact with the floor and the air.

6.4 Reference to other sections

See Section 8 for exposure controls and personal protection, and Section 13 for disposal considerations.

7 SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

- No special handling precautions are necessary for the product itself.
- Ultrapure grades (Ultrapure PPB, ICP-MS, ULC-MS, LC-MS, TOC and similar) should be opened and dispensed only in a clean environment, wearing powder-free gloves, using clean low-extractables transfer ware. Do not pipette from the stock bottle; decant a working portion.
- Do not return unused material to the original container.
- Keep the container closed when not in use to avoid CO_2 uptake, evaporation and contamination.
- Wipe up spills promptly to avoid slippery floors.
- Handle in accordance with good industrial hygiene and safety practice.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions	Keep the container tightly sealed to preserve purity. Store in a clean, dry, dust-free place away from direct sunlight and away from solvents, volatile acids and ammonia whose vapours may contaminate the water.
Recommended temperature	5 – 30 °C (41 – 86 °F). Protect from freezing — the water expands on freezing and may burst sealed containers.
Containment	No special containment is required.
Suitable materials	Original supplier packaging: HDPE, PP, PTFE, PFA, FEP and borosilicate glass, as supplied for the grade.
Unsuitable materials	Metals and metal-containing closures in contact with ultrapure grades (leaching of ions).
Incompatible storage	None known. For product purity, store away from sources of chemical vapours.
Shelf life	Purity specifications (conductivity, TOC, trace ions) are guaranteed only for the unopened original packaging within the date stated on the certificate of analysis; once opened, ultrapure grades absorb CO_2 and contaminants from the air and should be used promptly.

7.3 Specific end use(s)

Laboratory reagent, diluent and analytical-grade water. No further specific guidance beyond the identified uses in Section 1.2.

8 SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

No occupational exposure limits have been established for water.

8.2 Exposure controls

Appropriate engineering controls

- None required for the product itself under normal use conditions.
- For ultrapure grades, dispense in a clean, particle-controlled environment (laminar-flow cabinet or clean bench) to protect the product, not the operator.

Eye and face protection

- None required for the product itself. Ordinary laboratory eye protection (safety glasses or chemical safety goggles conforming to ANSI/ISEA Z87.1 / 29 CFR 1910.133 or EN 166) is recommended as standard laboratory practice.

Skin and body protection

- None required for the product itself. Ordinary laboratory gloves and a laboratory coat are recommended as standard practice; for ultrapure trace-metal grades, powder-free nitrile or polyethylene gloves also protect the product from contamination.

Respiratory protection

- No protective equipment is needed under normal use conditions.

Environmental exposure controls

- None required. Handle in accordance with good industrial hygiene and safety practice: wash hands after handling and before eating or drinking.

9 SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Property	Value
Physical state	Liquid
Colour	Colourless, clear
Odour	Odourless
Odour threshold	Not applicable
Melting point / freezing point	0 °C (32 °F)
Boiling point / initial boiling point	100 °C (212 °F) at 101.3 kPa
Flammability	Not flammable
Lower / upper explosion limit	Not applicable
Flash point	Not applicable
Auto-ignition temperature	Not applicable
Decomposition temperature	Not applicable
pH	5.5 – 7.5 (ultrapure water drifts to approximately 5.5 – 6.0 on CO_2 uptake)
Kinematic / dynamic viscosity	Dynamic viscosity 1.00 mPa·s at 20 °C
Solubility (water)	Not applicable (water is the solvent); miscible with water in all proportions
Solubility (other)	Miscible with polar solvents such as methanol, ethanol and acetone
Partition coefficient n-octanol/water (log Kow)	Not applicable
Vapour pressure	2.34 kPa (17.5 mmHg) at 20 °C
Density / relative density	0.998 g/cm³ at 20 °C
Relative vapour density	0.62 (air = 1)
Particle characteristics	Not applicable (liquid)
Molecular weight	18.02 g/mol
Evaporation rate	< 1 (n-butyl acetate = 1)
Oxidising properties	None
Explosive properties	None
Surface tension	72.8 mN/m at 20 °C
Conductivity / resistivity	0.055 µS/cm (18.2 MΩ·cm) for Ultrapure PPB; ≤ 5 µS/cm for demineralised; see Section 1 SKU table

9.2 Other information

No additional physical or chemical hazard information. Conductivity and resistivity vary by grade and rise with exposure to air; values above apply to freshly dispensed material from unopened containers.

10 SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

Reactive hazard: none known under normal conditions of use. Water reacts exothermically, and in some cases violently, with alkali metals, metal hydrides, acid anhydrides and concentrated strong acids, as is general for water in chemistry; these materials are not supplied with this product.

10.2 Chemical stability

Stable under normal conditions. Not sensitive to mechanical impact or static discharge. Hazardous polymerisation does not occur.

10.3 Possibility of hazardous reactions

- None under normal processing and use.
- Violent, heat-generating and possibly hydrogen-evolving reaction with alkali metals (sodium, potassium, lithium), metal hydrides and other water-reactive substances.
- Exothermic reaction with acid anhydrides and with concentrated sulfuric acid or other concentrated strong acids and bases; add the concentrated reagent slowly to water, never the reverse.

10.4 Conditions to avoid

Incompatible products; excess heat; freezing (expansion may burst sealed containers); prolonged exposure of ultrapure grades to air (CO_2 uptake and contamination).

10.5 Incompatible materials

Class	Examples
Water-reactive metals	Alkali metals (lithium, sodium, potassium), alkaline-earth metals in powder form — hydrogen evolution and heat
Metal hydrides	Lithium aluminium hydride, sodium hydride, calcium hydride and similar hydrides
Anhydrides and acid halides	Acetic anhydride, acid chlorides, phosphorus pentoxide — exothermic hydrolysis
Concentrated acids and bases	Concentrated sulfuric acid, oleum, concentrated alkali — strongly exothermic dilution

10.6 Hazardous decomposition products

None under normal use conditions.

11 SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in 29 CFR 1910.1200(c) / GHS

Likely routes of exposure: not an expected route of hazardous exposure; low hazard for usual industrial or commercial handling by skin and eye contact, inhalation and ingestion.

Endpoint	Data and conclusion
Acute toxicity — oral	No LD_{50} is stated in the manufacturer's data; low hazard for usual industrial or commercial handling. Not classified.
Acute toxicity — dermal	No data available. Non-irritating during normal use. Not classified.
Acute toxicity — inhalation	No data available. Not an expected route of exposure. Not classified.
Skin corrosion / irritation	Non-irritating during normal use. Not classified.
Serious eye damage / irritation	Non-irritating during normal use. Not classified.
Respiratory or skin sensitisation	No known sensitising effects. Not classified.
Germ cell mutagenicity	No known effects. Not classified.
Carcinogenicity	Not listed by IARC, NTP, ACGIH, OSHA or Mexico as a carcinogen. Not classified.
Reproductive toxicity	No known effects. Not classified.
STOT — single exposure	No known effects. Not classified.
STOT — repeated exposure	No known effects; no target organs identified. Not classified.
Aspiration hazard	Not an aspiration hazard. Not classified.

11.2 Other information

Target organs: none known. Toxicologically synergistic products: none known. Endocrine disrupting properties: this product does not contain any known or suspected endocrine disruptors.

The assessment above relies on the manufacturer's data, which state no specific toxicological values, together with the well-established absence of toxicity of water at normal exposure levels. Ingestion of very large volumes of water (particularly low-mineral water) in a short period can cause water intoxication; this is not an expected exposure for a laboratory reagent.

12 SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Endpoint	Value
Fish — acute	No data available. Not harmful to aquatic life.
Aquatic invertebrates — acute	No data available. Not harmful to aquatic life.
Algae	No data available. Not harmful to aquatic life.
Microorganisms	No data available. Not harmful to sewage treatment plant microorganisms.

The product contains no substances known to be hazardous to the environment or that are not degradable in waste water treatment plants.

12.2 Persistence and degradability

Not applicable — water is a natural, inorganic substance and is itself part of the environment. Persistence is not relevant.

12.3 Bioaccumulative potential

Not expected to bioaccumulate. log Kow: not applicable.

12.4 Mobility in soil

Miscible with water; mobile in the environment because of its water solubility. It is part of the natural water cycle.

12.5 Results of PBT and vPvB assessment

The substance does not meet the criteria for PBT or vPvB under REACH Annex XIII.

12.6 Other adverse effects

Germany water hazard class nwg (non-hazardous to water). Not an ozone-depleting substance; global warming potential not applicable.

13 SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

- Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste under 40 CFR 261 and must consult federal, state and local hazardous waste regulations to ensure complete and accurate classification.
- Unused, uncontaminated water is not hazardous and may be discharged to the sanitary sewer subject to local consent and the requirements of the receiving authority.
- Water contaminated with other chemicals during use must be assessed and disposed of according to the properties of the contaminants.
- Empty containers are not hazardous. Rinse with water, remove or deface the label and recycle.
- HDPE and glass containers are recyclable through normal channels.
- Dispose of the container in accordance with local regulations.

13.2 Waste codes

Not a RCRA hazardous waste (no characteristic, not listed). EWC 16 10 02 (aqueous liquid wastes other than those mentioned in 16 10 01).

14 SECTION 14: TRANSPORT INFORMATION

This product is not regulated as a dangerous good in any mode of transport.

US DOT (49 CFR)	Not regulated as a hazardous material.
IMDG Code (sea)	Not regulated as dangerous goods.
IATA DGR / ICAO (air)	Not regulated as dangerous goods.
ADR / RID / ADN	Not regulated as dangerous goods.

TDG (Canada)	Not regulated.
Marine pollutant	No
Special precautions for user	Protect from freezing in transit; secure containers against movement.

15 SECTION 15: REGULATORY INFORMATION

15.1 United States federal regulations

Regulation	Status
TSCA (15 U.S.C. §2601 et seq.)	Water, CAS 7732-18-5, is listed on the TSCA Chemical Substance Inventory with an "active" designation. No section 12(b) export notification, section 5(a)(2) SNUR or section 6(h) PBT restriction applies.
OSHA Hazard Communication (29 CFR 1910.1200)	Not a hazardous chemical — an SDS is not required. This SDS is provided as a courtesy and is prepared to the HCS 2024 amendment (GHS Rev. 7).
OSHA flammable liquids (29 CFR 1910.106)	Not applicable — not a flammable or combustible liquid.
OSHA PSM (29 CFR 1910.119, App. A)	Not a listed highly hazardous chemical.
CERCLA section 103 (40 CFR 302.4)	Not listed. Not a hazardous substance; reportable quantity: none (DOT RQ: N).
EPCRA section 302 (40 CFR 355, App. A)	Not applicable — not an extremely hazardous substance.
EPCRA sections 311 / 312 (40 CFR 370)	Not applicable — the product meets no OSHA hazard category; no Tier II reporting.
EPCRA section 313 (TRI, 40 CFR 372)	Not applicable — not listed. No Toxics Release Inventory reporting requirement.
Clean Air Act section 112 / 112(r)	Not applicable — not a listed hazardous air pollutant or regulated substance under 40 CFR 68.130.
Clean Water Act section 311 (40 CFR 116/117)	Not applicable — not a designated hazardous substance or priority pollutant.
RCRA (40 CFR 261)	Not a hazardous waste. Exhibits no characteristic and is not P- or U-listed.
DEA / Chemical Diversion and Trafficking Act (21 CFR 1310)	Not listed — not a List I or List II regulated chemical.
FDA / USDA	Not supplied as USP Purified Water or Water for Injection unless stated on the certificate of analysis. Not for use in food, drug or cosmetic applications.
US Department of Homeland Security (6 CFR 27, App. A)	Not a chemical of interest.

15.2 United States state regulations

State list	Status
California Proposition 65	Not listed. No Proposition 65 warning is required for this product.
California — other	No Cal/OSHA PEL established. Not a CARB Toxic Air Contaminant.
Massachusetts Right-to-Know	Not listed.
New Jersey Right-to-Know	Not listed.
Pennsylvania Right-to-Know	The manufacturer's SDS marks water as listed for Pennsylvania; as a non-hazardous substance no labelling or reporting duty results. Verify with the employer's compliance officer if required.
Rhode Island, Minnesota, Texas	Not listed. Not listed: Illinois.

15.3 International regulations

Jurisdiction	Status
Canada	Not classified under the Hazardous Products Regulations (SOR/2015-17). Listed on the Domestic Substances List (DSL). Not subject to NPRI reporting.
European Union — CLP	Not classified. Not listed in Annex VI to Regulation (EC) No 1272/2008.
European Union — REACH	Exempt from registration (Annex IV). Not on the Candidate List of substances of very high concern, not subject to authorisation (Annex XIV) and not restricted under Annex XVII.

Jurisdiction	Status
Seveso III (Directive 2012/18/EU)	Not applicable — not a qualifying substance or hazard category.
Rotterdam / Stockholm / Montreal Conventions	Not listed under the PIC procedure, not a persistent organic pollutant and not an ozone-depleting substance.
Basel Convention	Not applicable — not a hazardous waste.
Chemical Weapons Convention	Not a scheduled chemical.
Chemical inventories	Listed on TSCA (USA), DSL (Canada), EC Inventory (EINECS 231-791-2), AICS (Australia), IECSC (China), ENCS (Japan), KECL (Korea, KE-35400) and PICCS (Philippines); listed or exempt on other national inventories.
Mexico	No occupational exposure limit established (NOM-010-STPS).
Germany	Water Hazard Class nwg (not hazardous to water).

15.4 Chemical safety assessment

Not required — exempt substance.

16 SECTION 16: OTHER INFORMATION

16.1 Hazard rating systems

System	Rating	Notes
NFPA 704	Health 0 · Flammability 0 · Instability 0 · Special: none	No special hazard
HMIS® III	Health 0 · Flammability 0 · Physical hazard 0 · PPE: A	PPE code A — safety glasses



Rating scale 0 = minimal, 4 = severe. These ratings are supplementary and are not a substitute for the GHS classification in Section 2.

16.2 Full text of hazard statements referred to in this SDS

- None — the product is not classified.

16.3 Abbreviations and acronyms

Abbreviation	Meaning
ACGIH	American Conference of Governmental Industrial Hygienists
ADR / RID / ADN	European agreements concerning the international carriage of dangerous goods by road / rail / inland waterway
CAS	Chemical Abstracts Service
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging
DNEL / PNEC	Derived no-effect level / predicted no-effect concentration
EmS	Emergency schedule (IMDG Code)
EPCRA	Emergency Planning and Community Right-to-Know Act
ERG	Emergency Response Guidebook (PHMSA / Transport Canada / SCT)
GHS	Globally Harmonized System of Classification and Labelling of Chemicals
HCS	Hazard Communication Standard, 29 CFR 1910.1200
HMIS	Hazardous Materials Identification System
IARC	International Agency for Research on Cancer
IATA DGR	International Air Transport Association Dangerous Goods Regulations
IDLH	Immediately dangerous to life or health
IMDG	International Maritime Dangerous Goods Code
LC_{50} / LD_{50} / EC_{50}	Concentration / dose / effective concentration lethal or effective to 50 % of a test population

Abbreviation	Meaning
NFPA	National Fire Protection Association
NIOSH	National Institute for Occupational Safety and Health
NTP	National Toxicology Program
OSHA	Occupational Safety and Health Administration
PBT / vPvB	Persistent, bioaccumulative and toxic / very persistent and very bioaccumulative
PEL / REL / TLV	Permissible exposure limit / recommended exposure limit / threshold limit value
PG	Packing group
RCRA	Resource Conservation and Recovery Act
RQ / TPQ / TQ	Reportable quantity / threshold planning quantity / threshold quantity
SCBA	Self-contained breathing apparatus
STOT SE / RE	Specific target organ toxicity — single exposure / repeated exposure
TSCA	Toxic Substances Control Act
TWA / STEL	Time-weighted average / short-term exposure limit
WGK	Wassergefährdungsklasse (German water hazard class)

16.4 Key references

- 29 CFR 1910.1200, OSHA Hazard Communication Standard, as amended by the final rule of 19 July 2024 (89 FR 44144), aligning with GHS Revision 7.
- Regulation (EC) No 1907/2006 (REACH), Annex IV — substances exempt from registration.
- ASTM D1193 — Standard Specification for Reagent Water (Types I – IV) and ISO 3696 — Water for analytical laboratory use (Grades 1 – 3), as the specification references for the grades supplied.
- Manufacturer safety data sheet for water (US OSHA HCS 2024 format, revision 13, 18 December 2025) — source of the physical, toxicological and regulatory values reproduced here.
- PubChem CID 962, water.

16.5 Revision information

Version	1.0
Date of issue	01 November 2026
Reason for revision	First issue under Highpuris LLC. Content prepared in the 16-section format of 29 CFR 1910.1200, Appendix D, with full US DOT 49 CFR transport detail, IMDG / IATA / ADR classification, and the complete Highpuris catalogue SKU list for this product.
Sections revised	All — first issue
Prepared by	Regulatory Affairs, Highpuris LLC

16.6 Disclaimer

The information in this Safety Data Sheet is provided in good faith and is believed to be accurate as at the date of issue. It has been compiled from data on water (laboratory and ultrapure grades) published by regulatory authorities, manufacturers and recognised technical sources, and relates only to the specific material identified in Section 1. It does not constitute a warranty, express or implied, of merchantability, fitness for a particular purpose or of any other kind, and Highpuris LLC accepts no liability for loss or damage arising from the handling or use of the product. The material may present hazards in combination with other substances or in processes not described here. It is the responsibility of the user to determine the suitability of this information for their own particular purpose, to comply with all applicable laws and regulations, and to ensure that the material is handled only by adequately trained personnel. Transport classifications, exposure limits and regulatory listings change. This document must be reviewed against the regulatory editions in force at the date of each shipment.

— END OF SAFETY DATA SHEET —

Highpuris LLC · 9920 Pacific Heights Blvd, Suite 150, San Diego, CA 92121-4361, USA · +1 (401) 288-1196 · admin@highpuris.com · noreply@highpuris.com · www.highpuris.com