

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Water – HPLC / LC-MS Grade

SYNONYMS: H₂O

PRODUCT CODES: 1919, 1939

MANUFACTURER: Birch Biotech, LLC

ADDRESS: 690 Stockton Drive, Suite 106, Exton, PA 19341

CHEMTREC PHONE: 800-424-9300

SUPPORT: 484-318-2754

PRODUCT USE: Analytical applications

PREPARED BY: AA

SECTION 1 NOTES:

SECTION 2: HAZARDS IDENTIFICATION

GHS CLASSIFICATION: Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

GHS Label elements:

Pictogram: none

Signal word: none

OSHA HAZARDS: No known OSHA hazards

SECTION 2 NOTES: Although this product does not normally require specific hazard precautions, chemical users should always take care to minimize personnel exposure and workplace contamination.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<u>INGREDIENT:</u>	<u>CAS NO.</u>	<u>% WT</u>
Water	7732-18-5	100

SECTION 3 NOTES:

SECTION 4: FIRST AID MEASURES

EYES: Not applicable.

SKIN: Not applicable.

INGESTION: Not applicable.

INHALATION: Not applicable.

SECTION 4 NOTES:

SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABILITY OF THE PRODUCT: Not a flammable liquid

FLASH POINT: Not available

AUTOIGNITION TEMPERATURE: Not available

NFPA HAZARD CLASSIFICATION

HEALTH: 0 FLAMMABILITY: 0 REACTIVITY: 0

OTHER:

HMIS HAZARD CLASSIFICATION

HEALTH: 0 FLAMMABILITY: 0 REACTIVITY: 0
PROTECTION:

EXTINGUISHING MEDIA: Use extinguishing material suitable for surrounding fire.

NOT SUITABLE: N/A

SPECIAL FIRE FIGHTING PROCEDURES: No special firefighting procedures for this solution.

HAZARDOUS DECOMPOSITION PRODUCTS: Nature of decomposition products is unknown.

SECTION 5 NOTES:**SECTION 6: ACCIDENTAL RELEASE MEASURES****ACCIDENTAL RELEASE MEASURES:**

Small spill and leak: N/A

Large spill and leak: N/A

SECTION 6 NOTES:**SECTION 7: HANDLING AND STORAGE**

HANDLING: Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use.

STORAGE: Keep container tightly closed and sealed until ready for use.

SECTION 7 NOTES:**SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION**

ENGINEERING CONTROLS: General mechanical ventilation or laboratory fume hood. Ensure that eyewash stations and quick drench showers are close to the workstation.

RESPIRATORY PROTECTION: No special equipment required.

EYE PROTECTION: Glasses or splash goggles recommended in accordance with good industrial hygiene and safety practice.

SKIN PROTECTION: Handle with gloves in accordance with good industrial hygiene and safety practice.

EXPOSURE GUIDELINES: Contains no substances with occupational exposure limits.

SECTION 8 NOTES:**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE: Clear, colorless

ODOR: Odorless

PHYSICAL STATE: liquid

pH AS SUPPLIED: Not available

BOILING POINT: 100°C (212°F)

MELTING POINT: Not available

FREEZING POINT: Not available

VAPOR PRESSURE (mmHg): 2.3 kPa (@20°C)

VAPOR DENSITY (AIR = 1): 0.62

EVAPORATION RATE: Not available

SOLUBILITY IN WATER: Soluble in water

MOLECULAR WEIGHT: 18

VISCOSITY: Not established

SECTION 9 NOTES:

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Product is stable under normal conditions of use.

CONDITIONS TO AVOID (STABILITY): Under normal conditions of storage and use, hazardous reactions will not occur.

INCOMPATIBILITY (MATERIAL TO AVOID): Not available

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: No known hazardous decomposition products.

HAZARDOUS POLYMERIZATION: No hazardous polymerization

CONDITIONS TO AVOID (POLYMERIZATION): N/A

SECTION 10 NOTES:

SECTION 11: TOXICOLOGICAL INFORMATION

ACUTE TOXICITY:

Oral LD50: no data available

Inhalation LC50: no data available

Dermal LD50: no data available

Other information on acute toxicity: no data available

Skin corrosion/irritation: no data available

Respiratory or skin sensitization: no data available

Germ cell mutagenicity: no data available

Carcinogenicity: no data available

Specific target organ toxicity - single exposure (Globally Harmonized System): no data available

Specific target organ toxicity - repeated exposure (Globally Harmonized System): no data available

Aspiration hazard: no data available

Potential health effects

Inhalation: May be harmful if inhaled.

Ingestion: Not hazardous by ingestion.

Skin: Not hazardous by skin exposure.

Eyes: Not hazardous to the eyes.

Signs and Symptoms of Exposure: No data available.

ROUTES OF ENTRY: No known routes of hazardous exposure.

TARGET ORGANS: Not available.

SECTION 11 NOTES:

SECTION 12: ECOLOGICAL INFORMATION

TOXICITY: No known environmental toxicity.

PERSISTENCE AND DEGRADABILITY: No data available.

BIOACCUMULATIVE POTENTIAL: No data available.

MOBILITY IN SOIL: No data available.

PBT and vPvB ASSESSMENT: Not required.

SECTION 12 NOTES:

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: As supplied, not regulated for waste disposal. Spent product or spill clean up—follow all provincial, local, state, and federal regulations.

RCRA HAZARD CLASS: Not classified

SECTION 13 NOTES:

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION: Not Regulated

TDG: Not Regulated

IATA: Not Regulated

IMDG/IMP: Not Regulated

SECTION 15: REGULATORY INFORMATION

United States

HCS Classification: Not Classified

U.S. Federal regulations:

TSCA 8(a) IUR: Partial exemption

United States inventory (TSCA 8b): Listed on inventory.

SARA 302/304/311/312 extremely hazardous substances: No products were found.

SARA 302/304 emergency planning and notification: No products were found.

SARA 302/304/311/312 hazardous chemicals: No products were found.

SARA 311/312 MSDS distribution - chemical inventory - hazard identification: No products were found.

SARA 313 Form R – Reporting: No products were found.

DEA List I & II Chemicals

(Precursor Chemicals):

Not Listed

RTK STATES: None

California Prop. 65

This product does not contain any chemicals known to the State of California to cause birth defects or other reproductive harm.

CANADA

WHMIS (Canada):

Not Controlled

Canadian lists:

CEPA Toxic substances: None of the components are listed.

Canadian ARET: None of the components are listed.

Canadian NPRI: None of the components are listed.

CEPA DSL / CEPA NDSL:

All components are listed or exempted.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.

SECTION 16: OTHER INFORMATION

National Fire Protection Association (U.S.A.)



DISCLAIMER: This Safety Data Sheet has been prepared in accordance with the Globally Harmonized System for the Classification and Labelling of Chemicals (GHS). To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries makes any warranty of merchantability or any other warranty, expressed or implied, which respect to such information, and we assume no liability resulting from its use. In no event shall Birch Biotech, LLC be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages resulting from use of or reliance upon this information.

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