1 Identification of the substance/mixture and of the company/undertaking

- Product identifier
  - Trade name: Water, Cell Culture Grade
  - Article number: 03-055-1
  - CAS Number:
    7732-18-5
  - EC number:
    231-791-2
- Relevant identified uses of the substance or mixture and uses advised against
  No further relevant information available.
- Application of the substance / the mixture
  Water, Cell Culture Grade undergoes pretreatment and is then produced by Reverse Osmosis (RO) and Deionization (DI) processes. This cell culture grade water is continually monitored for endotoxins, microbial bioburden and metals, in order to ensure that all international acceptable specifications are met.

2 Hazards identification

- Classification of the substance or mixture
  - Classification according to Regulation (EC) No 1272/2008
    The substance is not classified according to the CLP regulation.

3 Composition/information on ingredients

- Chemical characterisation: Substances
  - CAS No. Description
    7732-18-5 water, distilled, conductivity or of similar purity
  - Identification number(s)
    - EC number: 231-791-2

4 First aid measures

- Description of first aid measures
  - General information: No special measures required.
  - After inhalation: No special measure required
  - After skin contact: No special measure required.
  - After eye contact: No special measures required
  - After swallowing: No special measure required
  - Information for doctor: No special measure required
  - Most important symptoms and effects, both acute and delayed
    No further relevant information available.

(Contd. on page 2)
Safety data sheet
according to 1907/2006/EC, Article 31

Trade name: Water, Cell Culture Grade

· Indication of any immediate medical attention and special treatment needed
  No further relevant information available.

5 Firefighting measures

· Extinguishing media
  · Suitable extinguishing agents:
    CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
· Special hazards arising from the substance or mixture
  No further relevant information available.
· Advice for firefighters
  · Protective equipment: No special measures required.

6 Accidental release measures

· Personal precautions, protective equipment and emergency procedures
  Not required.
· Environmental precautions: No special measures required.
· Methods and material for containment and cleaning up: No special measures required.
· Reference to other sections
  See Section 7 for information on safe handling.
  See Section 8 for information on personal protection equipment.
  See Section 13 for disposal information.

7 Handling and storage

· Handling:
  · Precautions for safe handling
    No special measures required.
  · Information about fire - and explosion protection: No special measures required.
· Conditions for safe storage, including any incompatibilities
· Storage:
  · Requirements to be met by storerooms and receptacles: Room Temperature
  · Information about storage in one common storage facility: Not required.
  · Further information about storage conditions: None.
  · Specific end use(s)
    No further relevant information available.

8 Exposure controls/personal protection

· Additional information about design of technical facilities: No further data; see item 7.
· Control parameters
  · Ingredients with limit values that require monitoring at the workplace: Not required.
  · Additional information: The lists valid during the making were used as basis.
· Exposure controls
  · Personal protective equipment:
    · General protective and hygienic measures:
      The usual precautionary measures are to be adhered to when handling chemicals.
    · Respiratory protection: Not required.
  · Protection of hands:
    The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
    Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
    Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
    Not required

(Contd. on page 1)
Trade name: Water, Cell Culture Grade

- Material of gloves
  The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

- Penetration time of glove material
  The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- Eye protection: Not required

9 Physical and chemical properties

- Information on basic physical and chemical properties
  - General Information
    - Appearance:
      - Form: Liquid
      - Colour: Colourless
    - Odour: Odourless
    - Odour threshold: Not determined.
  - pH-value: 5.0-7.0

- Change in condition
  - Melting point/Melting range: 0 °C
  - Boiling point/Boiling range: 100 °C

- Flash point: Not applicable.

- Flammability (solid, gaseous): Not applicable.

- Ignition temperature:
  - Decomposition temperature: Not determined.
  - Self-igniting: Not determined.
  - Danger of explosion: Product does not present an explosion hazard.

- Explosion limits:
  - Lower: Not determined.
  - Upper: Not determined.

- Vapour pressure at 20 °C: 23 hPa

- Density at 20 °C: 1 g/cm³
  - Relative density: Not determined.
  - Vapour density: Not determined.
  - Evaporation rate: Not determined.

- Solubility in / Miscibility with water: Fully miscible.

- Partition coefficient (n-octanol/water): Not determined.

- Viscosity:
  - Dynamic at 20 °C: 0.952 mPas
  - Kinematic: Not determined.

- Solvent content:
  - Organic solvents: 0.0 %
  - Water: 100.0 %
  - VOC (EC): 0.00 %

- Other information
  No further relevant information available.
10 Stability and reactivity

- Reactivity
- Chemical stability
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- Possibility of hazardous reactions: No dangerous reactions known.
- Conditions to avoid: No further relevant information available.
- Incompatible materials: No further relevant information available.
- Hazardous decomposition products: No dangerous decomposition products known.

11 Toxicological information

- Information on toxicological effects
- Acute toxicity:
  - Primary irritant effect:
    - on the skin: No irritant effect.
    - on the eye: No irritating effect.
  - Sensitisation: No sensitising effects known.
- Additional toxicological information:
  When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.
  The substance is not subject to classification according to the latest version of the EU lists.

12 Ecological information

- Toxicity
  - Aquatic toxicity: No further relevant information available.
- Persistence and degradability: No further relevant information available.
- Behaviour in environmental systems:
  - Bioaccumulative potential: No further relevant information available.
  - Mobility in soil: No further relevant information available.
- Results of PBT and vPvB assessment
  - PBT: Not applicable.
  - vPvB: Not applicable.
- Other adverse effects: No further relevant information available.

13 Disposal considerations

- Waste treatment methods
  - Recommendation: No further relevant information
- Uncleaned packaging: No further relevant information
  - Recommendation: No further relevant information
  - Recommended cleansing agents: No further relevant information

14 Transport information

- UN-Number
- ADR, ADN, IMDG, IATA: not regulated
- UN proper shipping name
- ADR, ADN, IMDG, IATA: not regulated
Trade name: Water, Cell Culture Grade

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- **Transport hazard class(es)**
  - ADR, ADN, IMDG, IATA
  - Class: not regulated

- **Packing group**
  - ADR, IMDG, IATA: not regulated

- **Environmental hazards:**
  - Marine pollutant: No

- **Special precautions for user**
  Not applicable.

- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**
  Not applicable.

- **UN "Model Regulation":** -

### 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
  No further relevant information available.

- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Department issuing MSDS:** Product safety department.
- **Contact:** Michal Badichi Gitlin
- **Abbreviations and acronyms:**
  - ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
  - IMDG: International Maritime Code for Dangerous Goods
  - IATA: International Air Transport Association
  - GHS: Globally Harmonised System of Classification and Labelling of Chemicals
  - EINECS: European Inventory of Existing Commercial Chemical Substances
  - CAS: Chemical Abstracts Service (division of the American Chemical Society)
  - VOC: Volatile Organic Compounds (USA, EU)