

BIO-RAD
Safety Data Sheet
acc. to OSHA HCS

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Printing date 10/23/2014

Reviewed on 09/09/2014

1 Identification

- Product identifier
- Trade name: Sterile Water
- Catalog or product number: 1451083, 10005797, 10013899, 9703463, 10032250, 10032249
- 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 Laboratory chemicals
- Details of the supplier of the safety data sheet
 - Manufacturer/Supplier:
 - Bio-Rad Laboratories, Life Science Group
 - 2000 Alfred Nobel Drive
 - Hercules, California 94547
- Information department:
 - Technical services, customer support
 - lsg_techserv_us@bio-rad.com
- Emergency telephone number: 1(800)249-9300 Use only in the event of a CHEMICAL EMERGENCY involving a SPILL, LEAK, FIRE, EXPLOSION or ACCIDENT.
 - 510-741-1000

2 Hazard(s) identification

- Classification of the substance or mixture
 - The substance is not classified according to the Globally Harmonized System (GHS)
- Classification according to Directive 67/548/EEC or Directive 1999/45/EC not applicable
- Information concerning particular hazards for human and environment: not applicable
- Classification system:
 - The classification was made according to OSHA 29CFR 1910.1200 and 1910.1030, and is expanded upon from company and/or literature information.
- Label elements
 - GHS label elements Void
 - Hazard pictograms Void
 - Signal word Void
 - Hazard statements Void
 - Additional information: Contact with acids may cause release of toxic gases
 - Other hazards
 - Results of PBT and vPvB assessment
 - PBT: Not applicable.
 - vPvB: Not applicable.

3 Composition/information on ingredients

- Chemical Characterization: Substances
- CAS No. Description:
 - 7732-18-5 water

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4 First-aid measures

- Description of first aid measures
 - General information No special measures required.
 - After Inhalation Supply fresh air; consult doctor in case of complaints.
 - After skin contact Generally the product does not irritate the skin.
 - After eye contact Rinse opened eye for several minutes under running water.
 - Most important symptoms and effects, both acute and delayed No further relevant information available.
 - Indication of any immediate medical attention and special treatment needed No further relevant information available.

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5 Fire-fighting measures

- Extinguishing media
- Suitable extinguishing agents Water
- 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 Wear protective clothing.
- Environmental precautions: Dilute with plenty of water.
- Methods and material for containment and cleaning up:
 - Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
 - Dispose contaminated material as waste according to item 13.
- Reference to other sections
 - No dangerous substances are released.
 - 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

- Precautions for safe handling No special measures required.
- Information about protection against explosions and fires: No special measures required.
- Conditions for safe storage, including any incompatibilities
- Storage
 - Requirements to be met by storerooms and receptacles: According to product specification
 - Information about storage in one common storage facility: Not required.
 - Further information about storage conditions: None.

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Specific end use(s): No further relevant information available.

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8 Exposure controls/personal protection

- Additional information about design of technical systems: No further data; see item 7.
- Control parameters
- Components with limit values that require monitoring at the workplace: Not required.
- Additional information: The lists that were valid during the creation were used as basis.
- Exposure controls
- Personal protective equipment
- General protective and hygienic measures: The usual precautionary measures for handling chemicals should be followed.
- Breathing equipment: Not required.
- Protection of hands: Protective gloves.
- Material of gloves: Synthetic gloves.
- 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: Safety glasses

9 Physical and chemical properties

- Information on basic physical and chemical properties
- General information
- Appearance:
 - Form: Liquid
 - Color: Colorless
 - Odor: Odorless
- Odour threshold: Not determined.
- pH-value: Not determined.
- Change in condition
- Melting point/softening range: 0 °C
- Boiling point/Boiling range: 100 °C
- Flash point: Not applicable
- Flammability (solid, gaseous): Not applicable.
- Ignition temperature:
- Decomposition temperature: Not determined.
- Auto igniting: Not determined.
- Danger of explosion: Product does not present an explosion hazard.
- Explosion limits:
 - Lower: Not determined.
 - Upper: Not determined.
- Vapor pressure at 20 °C: 23 hPa
- Density at 20 °C: 1 g/cm³

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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:	Not determined.
kinematic:	Not determined.
Organic solvents:	0.0 %
Water:	100.0 %
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 irritant effect.
- Inflant effect.
- Sensitization: No sensitizing effects known.
- Additional toxicological information:
 - When used and handled according to specifications, the product does not have any harmful effects according 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.
- Carcinogenic categories
- IARC (International Agency for Research on Cancer)
 - Substance is not listed.
- NTP (National Toxicology Program)
 - Substance is not listed.
- OSHA-Ca (Occupational Safety & Health Administration)
 - Substance is not listed.

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Target organs: Not applicable.

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12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability:** No further relevant information available.
- **Bioaccumulative potential:** No further relevant information available.
- **Mobility in soil:** No further relevant information available.
- **Additional ecological information:**
- **General notes:** Generally not hazardous for water.
- **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**
Hand over to hazardous waste disposers.
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
- **Recommendation:** Dispose of packaging according to regulations on the disposal of packagings.
- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

14 Transport information

- | | |
|--|-----------------|
| · UN-Number | |
| · DOT, ADR, ADN, IMDG, IATA | Void |
| · UN proper shipping name | |
| · DOT, ADR, ADN, IMDG, IATA | Void |
| · Transport hazard class(es) | |
| · DOT, ADR, ADN, IMDG, IATA | Void |
| · Class | |
| · Packing group | |
| · DOT, ADR, IMDG, IATA | Void |
| · Environmental hazards: | |
| · Marine pollutant: | No |
| · Special precautions for user | Not applicable. |
| · Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code | Not applicable. |

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Transport/Additional information:

Not dangerous according to the above specifications.

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· UN "Model Regulation":

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **SARA (Superfund Amendments and Reauthorization Act of 1986 - USA)**
- **Section 302/304 (40CFR355.30 / 40CFR355.40):**
- **Substance not listed.**
- **Section 313 (40CFR372.65):**
- **Substance is not listed.**
- **TSCA (Toxic Substances Control Act):**
- **Substance is listed.**

· **Carcinogenic categories**· **EPA (Environmental Protection Agency)**· **Substance is not listed.**· **TLV (Threshold Limit Value established by ACGIH)**· **Substance is not listed.**· **MAK (German Maximum Workplace Concentration)**· **Substance is not listed.**· **NIOSH-Ca (National Institute for Occupational Safety and Health)**· **Substance is not listed.**· **National regulations**· **Water hazard class:** Generally not hazardous for water.· **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 SDS:** Environmental Health and Safety.· **Contact:**

Life Science Group, Environmental Health and Safety, 2000 Alfred Nobel Drive, Hercules, California, 94547: 1(510) 741-1000

Diagnostic Group, Environmental Health and Safety, 4000 Alfred Nobel Drive, Hercules, California, 94547: 1(510) 724-7000

· **Date of preparation / last revision:** 10/23/2014 / -· **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

DOT: US Department of Transportation

IATA: International Air Transport Association

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ACGIH: American Conference of Governmental Industrial Hygienists
EINECS: European Inventory of Existing Commercial Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)

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* Data compared to the previous version altered.

USA