

## Material Safety Datasheet (MSDS)

### 1. Product and company identification

Product identifier .....  
Product uses .....  
Supplier .....  
  
Emergency telephone number .....

**Buffer GV2 20X (reference: TP10013)**  
Only for in vitro use in research and analysis laboratories.  
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### 2. Hazards identification

Classification of the product.....  
Label elements of EC regulation N° 1272/2008.....  
Label elements of directive N° 67/548/EEC.....  
Other hazards .....

Not hazardous ; not dangerous  
Not hazardous ; not dangerous  
None  
This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

### 3. Composition / information on ingredients

Not hazardous ; not dangerous

### 4. First aid measures

Description of first aid measures.....  
  
Most important symptoms and effects, both acute and delayed...  
Immediate medical attention and special treatment .....

Consult a physician. Show this safety data sheet to the doctor in attendance. If breathed in, move person into fresh air. If not breathing, give artificial respiration. In case of skin contact, wash off with soap and plenty of water. In case of eye contact, rinse thoroughly with plenty of water for at least 15 minutes. If swallowed, never give anything by mouth to an unconscious person. Rinse mouth with water. Abdominal pain, nausea, vomiting.  
No data available.

### 5. Firefighting measures

Extinguishing media .....  
Special hazards arising from the substance or mixture.....  
Advice for firefighters .....

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.  
Carbon oxides, sodium oxides.  
Wear self contained breathing apparatus for firefighting if necessary.

### 6. Accidental release measures

Personal precautions and emergency procedures .....  
Environmental precautions .....  
Cleaning methods .....  
Reference to other sections .....

Avoid breathing vapors, mist or gas.  
For personal protection see section 8.  
No special environmental precautions required.  
Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.  
For disposal see section 13.

### 7. Handling and storage

Safe handling.....  
Safe storage / product incompatibilities.....  
  
Specific end uses .....

For precautions see section 2.  
Store at 20-25°C. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.  
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### 8. Exposure controls/personal protection

Control parameters .....  
Exposure controls.....  
Personal protective equipment.....

Occupational exposure limit values: not determined.  
Handle according to instructions, good laboratory practices and normal hygiene standards (washing hands after manipulation).  
Wear protective clothing, gloves and goggles.

## 9. Physical and chemical properties

Appearance.....	Clear colorless liquid
Odor.....	No data available
Odor Threshold.....	No data available
pH.....	No data available
Melting point / freezing point.....	No data available
Flash point.....	No data available
Evaporation rate.....	No data available
Flammability (solid; gas).....	Not concerned
Upper / lower flammability of explosive limits .....	Not concerned
Vapor pressure.....	Not concerned
Vapor density .....	Not concerned
Relative density.....	1.03
Solubility.....	No data available
Partition coefficient: n-octanol/water.....	No data available
Auto-ignition temperature.....	No data available
Decomposition temperature.....	No data available
Viscosity.....	No data available
Explosive properties.....	Not concerned
Oxidizing properties.....	No data available
Other information.....	None

## 10. Stability and reactivity

Reactivity .....	No data available
Chemical stability .....	Stable in recommended handling and storing conditions
Possibility of hazardous reactions .....	No data available
Conditions to avoid .....	Exposure to moisture
Incompatible materials .....	Strong oxidizing agents
Hazardous decomposition products .....	No data available

## 11. Toxicological information

Acute toxicity .....	Oral: No data available Inhalation: No data available Dermal: No data available
Skin corrosion / irritation .....	Skin - rabbit - Mild skin irritation - 24 h Eye - rabbit - Mild eye irritation
Serious eye damage / irritation .....	No data available
Respiratory or skin sensitization .....	No data available
Germ cell mutagenicity .....	No data available
Carcinogenicity.....	No data available
Reproductive toxicity.....	No data available
Specific target organ toxicity - single exposure.....	No data available
Specific target organ toxicity - repeated exposure .....	No data available
Aspiration hazard .....	No data available

## 12. Ecological information

Toxicity.....	No data available
Persistence and degradability .....	No data available
Bioaccumulative potential .....	No data available
Mobility in soil .....	No data available
Results of PBT and vPvB assessment .....	This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.
Other adverse effects .....	No data available

## 13. Disposal considerations

Product.....;	Offer surplus and non-recyclable solutions to a licensed disposal company.
Contaminated packaging.....	Dispose of as unused product.

**14. Transport information**

Information	ADR/RID	IMDG	IATA
UN number	None	None	None
UN proper shipping name	Not dangerous goods	Not dangerous goods	Not dangerous goods
Transport hazard classes	None	None	None
Packing group	None	None	None
Environmental hazards	None	None	None
Special precautions for user	No data available	No data available	No data available
Transport in bulk	Not concerned	Not concerned	Not concerned

HS code : 38 22 00 + country-specific extension

**15. Regulatory information**

Safety, health and environmental regulations..... This datasheet complies with the Regulation EC 1907/2006.  
 Product specific legislation..... No data available  
 Chemical safety assessment ..... For this product a chemical safety assessment was not carried out

**16. Other information**

This product must be used according to the corresponding instructions.  
 This product is for in vitro use only.  
 This data sheet completes the instructions for use but does not replace it. The information is based on our present knowledge relative to the product at the date it was issued. This safety information in no way dispenses users from thoroughly knowing and applying all regulatory texts relating to their activity. The user's attention is drawn to possible risks taken when manipulating the product for any purposes or in any way not allowed in this document. ApoH-technologies shall not be held liable for any damage resulting from handling or from contact with the above product.

Datasheet version	Modification
01/2023	Creation