

# Washing Buffer (PBST) Tablets – Safety Data Sheet

In accordance with regulation (EC) No. 1907/2006, amended by 2020/878/EU

## 1. Identification of the substance or preparation and of the company undertaking

### 1.1 Product identifier

Washing buffer (PBST) blister-packed tablets  
Art No. 110150

### 1.2 Use of the substance or mixture

Laboratory chemical.  
Laboratory reagent.

### 1.3 Manufacturer / supplier details

BIOREBA AG  
Christoph Merian-Ring 7  
CH-4153 Reinach  
Switzerland  
Phone +41 61 712 11 25; Fax +41 61 712 11 17  
[admin@bioreba.ch](mailto:admin@bioreba.ch)  
[www.bioreba.ch](http://www.bioreba.ch)

### 1.4 Emergency phone number

Tox Info Suisse  
Emergency Switzerland phone: 145  
From abroad: +41 44 251 51 51

## 2. Hazards identification

### 2.1 Classification according to Regulation (EC) 1272/2008

This product does not meet the criteria for classification.

### 2.2 Label elements

Hazard pictogram(s): None.  
Signal word(s): None.

### Hazard statements

Hazard statement(s): None.

### Precautionary statements

Precautionary statement(s): None.

### 2.3 Additional information

No information is available.

## 3. Composition / Information on ingredients

Proprietary formulation.

Contains no hazardous substances in concentration to be declared.

## 4. First aid measures

### 4.1 Description of First Aid Measures

#### General notes

In case of accident or illness: Consult a doctor immediately (if possible, show this instruction manual or safety data sheet).  
No special precautions required for self-protection of the First Aider.

#### After inhalation

In case of accidental inhalation: Remove casualty to fresh air and allow to rest. If discomfort arises, seek medical advice/medical attention.

**In case of skin contact**

After contact with the skin, wash with plenty of soap and water. If discomfort arises, seek medical advice/medical attention.

**In case of eye contact**

Immediately rinse, carefully and thoroughly, for several minutes with eye wash or water. If discomfort arises, seek medical advice/medical attention.

**If swallowed**

Rinse the mouth thoroughly with water. Drink water. Do not induce vomiting. Never administer anything through the mouth to an unconscious person or in case of cramps. Seek medical advice.

**4.2 Most important symptoms and effects, both acute and delayed**

None reasonably foreseeable.

**4.3 Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

**5. Firefighting measures****5.1 Suitable extinguishing media**

Not combustible.

**5.2 Special hazards arising from the mixture**

Thermal decomposition can lead to release of irritating gases and vapors.

Oxides of phosphorus, Sodium oxides.

**5.3 Advice for firefighters**

Protective clothing against liquid and gaseous chemicals, including liquid aerosols and solid particles. Wear self-contained breathing apparatus. Self-contained breathing apparatus (SCBA). Self-contained breathing apparatus (autonomous breathing apparatus, EN 133). Type: B (against inorganic gases and vapors, color: grey). Type: ABEK (combination filter for gases and vapors, color: brown/grey/yellow/green).

**5.4 Additional information**

Fight fire with normal precautions from a reasonable distance. Wear self-contained breathing apparatus. Wear full chemical protective clothing.

**6. Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

Use suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent contamination of skin, eyes and personal clothing. Avoid contact with skin, eyes and clothing.

**6.2 Environmental precautions**

Should not be released into the environment. Do not allow to enter drains, sewers or watercourses.

**6.3 Methods and material for containment and cleaning up**

Sweep up and place in suitable containers for disposal.

**7. Handling and storage****7.1 Handling****7.1.1 Precautions for safe handling**

Wear suitable protective clothing. Keep the workplace clean. Ensure adequate ventilation. Open containers with caution. Avoid contact with skin, eyes or clothing. Avoid ingestion and inhalation.

**7.1.2 Precautions for fire and explosion protection**

Do not smoke. Do not eat and drink.

**7.1.3 Further information on handling**

Always close the container tightly after removing the product. Wash hands before breaks and at the end of the working day. Store away from foodstuffs.

## 7.2 Storage

### 7.2.1 Requirements for storage rooms and containers

Keep container tightly closed and in a well-ventilated place. Keep only in original container.

### 7.2.2 Precautions for combined storage

No information is available.

### 7.2.3 Further information on storage conditions

Recommended storage temperature: 15-25°C. Protect against light, heat, effect of cold and humidity.

## 8. Exposure controls / personal protection

### 8.1 Control parameters

Occupational exposure limits: None.

### 8.2 Exposure controls

None under normal use conditions.

#### 8.2.1 Protective and hygiene measures

Always close the container tightly after removing the product. Wash hands before breaks and at the end of the working day. Avoid contact with skin and eyes. General safety measures must be observed.

#### 8.2.2 Eye protection

Suitable eye protection: Close-fitting protective glasses, DIN EN166.

#### 8.2.3 Hand protection

Rubber gauntlet gloves. DIN EN 374.

Check for tightness /imperviousness before use. If gloves are to be re-used, clean them before removal and ensure they are well ventilated during storage.

#### 8.2.4 Body protection

Personal protective clothing.

#### 8.2.5 Respiratory protection

Respiratory protection is not required.

#### 8.2.6 Environmental exposure controls

No information available.

## 9. Physical and chemical properties

### 9.1 Information on physical and chemical properties

Aggregate state:	Tablets, solid
pH:	7.4 +/- 0.1 (25°C)
Color:	White
Odor:	Virtually odorless
Miscibility with water:	Very soluble in water

## 10. Stability and reactivity

### 10.1 Reactivity

This material is not reactive under normal ambient conditions.

### 10.2 Chemical stability

The material is stable under normal environmental conditions and under the temperature and pressure conditions expected during storage and handling.

### 10.3 Possibility of hazardous reactions

No hazardous reactions known.

#### 10.4 Conditions to be avoided

Excess heat.

#### 10.5 Incompatible materials

No information available.

#### 10.6 Hazardous decomposition products

In the event of fire, the following may be produced: Hydrogen chloride. Oxides of phosphorus. Potassium oxides. Sodium oxides.

### 11. Toxicological information

#### 11.1 Information on hazard classes according regulation (EC) 1272/2008

**Acute toxicity:** For oral, dermal and inhalation classification criteria are not met.

**Irritation and corrosive effects on the skin:** No data available.

**Irritation and corrosive effects on the eyes:** No data available.

**Irritation and corrosive effects via inhalation:** No data available.

**Sensitization effects:** No data available.

**Reproductive toxicity:** No data available.

#### 11.2 Information on other hazards

No data available.

### 12. Ecological information

#### 12.1 Toxicity

The product is not classified as toxic to the environment.

#### 12.2 Persistence and degradability

Miscible with water. Persistence is unlikely, based on information available.

#### 12.3 Bio-accumulative potential

Unlikely.

#### 12.4 Mobility in soil

The product is water soluble and may spread in water systems. Will likely be mobile in the environment due to its water solubility. Highly mobile in soil.

#### 12.5 Results of PBT and vPvB assessment

A PBT and vPvB assessment is not available as a chemical safety assessment is not required / was not carried out.

#### 12.6 Endocrine disrupting properties

No information available.

#### 12.7 Other adverse effects

No information available.

### 13. Disposal considerations

#### 13.1 Waste treatment methods

Disposal in accordance with local regulations. Uncontaminated and clean containers may be recycled.

#### Disposal of contaminated packaging and recommended cleaning agents:

In accordance with local authority regulations.

### 14. Transport Information

The product is not classified as dangerous good for all modes of transport.

**14.1 UN number or ID number**

Not hazardous for transportation.

ADR, RID, IMDG, IATA-DGR, ICAO-TI: Not applicable.

**14.2 UN proper shipping name**

ADR, RID, IMDG, IATA-DGR, ICAO-TI: Not applicable.

**14.3 Transport hazard class(es)**

ADR, RID, IMDG, IATA-DGR, ICAO-TI: Not applicable.

**14.4 Packing group**

ADR, RID, IMDG, IATA-DGR, ICAO-TI: Not applicable.

**14.5 Environmental hazards**

No environmental hazards.

**14.6 Special precautions for user**

No special precautions.

**15. Regulatory information**

No data available.

**16. Other information****16.1 Abbreviations and acronyms**

ADR:	Accord Européen sur le transport of marchandises dangereuses par route (European Agreement concerning the international carriage of dangerous goods by road)
RID:	Règlement international concernant le transport des marchandises Dangereuses par chemin de fer (Regulations concerning the international transport of dangerous goods by rail)
ECHA:	European Chemicals Agency
IMDG:	International Maritime Code for Dangerous Goods
IATA:	International Air Transport Association
IATA-DGR:	Dangerous Goods Regulation by the "International Air transport Association" (IATA)
ICAO:	International Civil Aviation Organization
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO)
GHS:	Globally Harmonized System of Classification and Labelling of Chemicals
GefStoffV:	Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)
LC50:	Lethal concentration, 50 percent
LD50:	Lethal dose, 50 percent
EC50:	Median effective concentration
ATE:	Acute Toxicity Estimate
RTECS:	Registry of Toxic Effects of Chemical Substances
NOAEL:	No Observed Adverse Effect Level
DNEL:	Derived No Effect Level
PBT:	Persistent, Bioaccumulative and Toxic
PNEC:	Predicted No Effect Concentration
vPvB	Very Persistent and very Bioaccumulative

**16.2 Further information**

The information is based on the present state of our knowledge and serves to describe the product with regard to its required safety precautions. They do not represent a warranty of the product's described characteristics.