

## 1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

### 1.1 PRODUCT IDENTIFIER

<b>Product name:</b>	<b>Catalog number:</b>
Wash Buffer 1	B-201-#-WB
Wash Buffer 5	B-205-#-WB

### 1.2 RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST

Concentrate for the preparation of washing buffer solution for the application in immunological in-vitro tests.

### 1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

Seramun Diagnostica GmbH  
Spreenhagener Straße 1  
15754 Heidesee  
GERMANY  
Phone: +49 33767-791 10  
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E-mail: info@seramun.com

### 1.4 EMERGENCY TELEPHONE NUMBER

Phone: +49 33767-791 10 available only during office hours.

## 2. HAZARDS IDENTIFICATION

### 2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

Although it is **not classified as hazardous** according to the European Regulations (EC) 1272/2008 the product should be handled with the usual care for all chemicals, in order to avoid synergistic effects.

Because of the preservative it may be dangerous for water organisms.

### 2.2 LABEL ELEMENTS

Pictogram	none
Signal word	none
Hazard Statement(s)	none
Precautionary Statement(s)	none
Supplemental Hazard Statements	none

Safety data sheet available for professional users on request.

### 2.3 OTHER HAZARDS

Chemicals bear specific risks. That's why these are only handled by qualified staff in compliance with health and safety regulations.

None of the components is listed as PBT or vPvB relevant.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

### 3.1 SUBSTANCES

The product is a mixture.

### 3.2 MIXTURES

TRIS-buffer based solution of salts and preservatives.

Concentrations of dangerous components according to (EC) 1272/2008 are below the concentration limits mentioned in the law.

## 4. FIRST AID MEASURES

### 4.1 DESCRIPTION OF FIRST AID MEASURES

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled

If breathed in, move the concerned person into fresh air. In case of apnoea, give artificial respiration.

Consult a physician.

In case of skin contact

Wash off with plenty of water. Consult a physician.

In case of eye contact

Rinse the opened eye for several minutes with running water, if necessary remove contact lenses. Consult an ophthalmologist.

If swallowed

Never give anything by mouth to an unconscious person.

Rinse mouth with water, drink in maximum 2 drinking glasses of water, and consult a physician.

### 4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

No data available.

### 4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

No data available.

## 5. FIREFIGHTING MEASURES

### 5.1 EXTINGUISHING MEDIA

Suitable extinguishing media

Use water spray, alcohol resistant foam, solid extinguishing agent or carbon dioxide.

### 5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

The product itself is not inflammable; extinguishing measures should therefore be prepared for an environmental fire.

In case of fire toxic vapours, e.g. nitric oxide and carbon monoxide can be released.

### 5.3 ADVICE FOR FIREFIGHTERS

Wear breath protective mask and protective clothes if necessary during fire fighting.

## 6. ACCIDENTAL RELEASE MEASURES

### 6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Use personal protective equipment. Avoid breathing vapor/mist/gas. Care for appropriate ventilation.

### 6.2 ENVIRONMENTAL PRECAUTIONS

Keep away from drains. Avoid contamination of water or soil.

### 6.3 METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

Suck up with inert absorbance material and dispose as hazardous waste. Keep in a suitable, closed container.

### 6.4 REFERENCE TO OTHER SECTIONS

For disposal considerations see chapter 13.

## 7. HANDLING AND STORAGE

### 7.1 PRECAUTIONS FOR SAFE HANDLING

No smoking, eating, drinking, chewing gum or storage of food or beverages in the working laboratories. Wash hands after work. Remove safety clothing before entering a refreshment room.

### 7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Store tightly closed on a cool dry place. Reseal opened bottles carefully and store in an upright position.

Recommended storage temperature: 2-8°C

Storage classification: 12 (non flammable liquids)  
segregate from: class 1 (explosives)  
class 4.1A (flammable solids)  
class 4.3 (dangerous when wet)  
class 6.2 (infectious)  
class 7 (radioactive)

Further information:  
Store separated from foodstuffs.

### 7.3 SPECIFIC END USE(S)

Use only in accordance to the manual.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1 CONTROL PARAMETERS

If the products are used according to the instructions, no air pollution is to be expected.

### 8.2 EXPOSURE CONTROLS

Consider the usual good hygiene and safety practice by handling chemicals.

#### Personal protective equipment

**Eye/face protection:** Safety glasses with side shields conforming to EN 166 (EU), NIOSH (US)

**Skin protection:** protective gloves of nitril rubber (thickness min. 0.28 mm, AQL1,5) or nature latex (thickness min. 0.22 mm, AQL 1,5), satisfying the norm EN 374

**Body protection:** impermeable protective clothing, the kind of protective equipment has to be selected depending from concentration and amount of dangerous substance at the specific workplace.

**Respiratory protection:** not required, if handled according to the intended use. In case of a divergent risk assessment use a full-face respirator with multi-purpose combination respirator cartridge Type ABEK (EN 14387).

**Environmental exposure controls:** Keep away from drains, water or soil.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

	Wash Buffer 1	Wash Buffer 5
Description	liquid product	liquid product
Colour	colourless	colourless
Odour	odourless	odourless
pH-value	7.3 – 7.5	7.3 – 7.5
Boiling point	101 °C	101 °C
Flash point	not applicable	not applicable
Explosive properties	non	non
Oxidising properties	non	non
Vapour pressure	not measured	not measured

Wash Buffer (conc.)

relative density	1.11 g/ml	1.11 g/ml
Solubility	complete soluble/miscible in protic solvents	complete soluble/miscible in protic solvents
Water solubility	complete soluble/miscible	complete soluble/miscible
Viscosity	not measured	not measured

## 9.2 OTHER INFORMATION

No further dangerous properties known.

## 10. STABILITY AND REACTIVITY

### 10.1 REACTIVITY

No data available.

### 10.2 CHEMICAL STABILITY

store at 2 – 8°C

### 10.3 POSSIBILITY OF HAZARDOUS REACTIONS

If the products are used according to the instructions, no hazardous reactions are to be expected.

### 10.4 CONDITIONS TO AVOID

Heat (will not cause a dangerous reaction, but destroys the quality of the products)  
See storage conditions chapter 7.2.

### 10.5 INCOMPATIBLE MATERIALS

Acids, bases (will not cause a dangerous reaction, but destroys the quality of the products).

### 10.6 HAZARDOUS DECOMPOSITION PRODUCTS

not known.

## 11. TOXICOLOGICAL INFORMATION

### 11.1 INFORMATION ON TOXICOLOGICAL EFFECTS

(a) acute toxicity

The mixture is not classified to be hazardous (see chapter 15.1).

(b) skin corrosion/irritation

No information available.

(c) serious eye damage/irritation

No information available.

(d) respiratory or skin sensitization

No information available.

(e) germ cell mutagenicity

No information available.

(f) carcinogenicity

No information available.

(g) reproductive toxicity

No information available.

(h) STOT-single exposure

No specific target organ toxicant because no component is known as specific target organ toxicant.

(i) STOT-repeated exposure

No specific target organ toxicant because no component is known as specific target organ toxicant.

(j) aspiration hazard

No information available.

### 11.2 FURTHER TOXICOLOGICAL INFORMATION

Quantitative data on the toxicity of the mixtures are not available.



**14.6 SPECIAL PRECAUTIONS FOR USER**

No data available.

**14.7 TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL73/78 AND THE IBC CODE**

These products will be shipped only in approved card boxes.

**15. REGULATORY INFORMATION****15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE**

This safety data sheet meets the requirements of the Regulation (EC) 453/2010 to amending Regulation (EC) 1907/2006.

The calculated toxicity (ATE) of the mixture according (EC) 1272/2008, Annex I in mg/kg body weight:

Wash Buffer 1	15,400	no classification (>2,000)
Wash Buffer 5	16,000	no classification (>2,000)

According (EC) 1272/2008, Annex I no classification not hazardous to water.

calculated L(E)C<sub>50</sub> of the mixtures (mg/l):

Wash Buffer 1	3,970	no classification (>100)
Wash Buffer 5	4,160	no classification (>100)

Water endangering class according to VwVwS (Germany): 1

**15.2 CHEMICAL SAFETY ASSESSMENT**

No data available.

**16. OTHER INFORMATION**

The information stated above is based on our actual knowledge and is intended to describe our products concerning safety recommendations. The information does not assure product properties and is therefore no basis for legal action.

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Changes with respect to the previous version:

- New created Safety Data Sheet for the use as single reagent