

### SAFETY DATA SHEET

This Safety Data Sheet (SDS) complies with the requirements of Annex II of Regulation (EC) No. 1907/2006 of the European Parliament and of the Council and subsequent amendments

## SECTION 1. Identification of the substance/ mixture and of the company/ undertaking

### 1.1 Product Identifier

**Product Name**

Substrate tablets

Wash buffer sachets

**Catalogue Number**

RST

RWBS

### 1.2 Use of the substance/ preparation

Laboratory reagents for use in BioChek ELISA test kits.

Not for use in humans and animals.

### 1.3. Details of the supplier of the safety data sheet

**BioChek (UK) Limited**

Unit 5 Kings Ride Park

Kings Ride

Ascot

Berkshire

SL5 8BP

Tel: +0044 (0)208 893 3000 (operating hours 09.00-17.00 GMT)

### 1.4. Emergency Telephone

Tel: +0044 (0)208 893 3000 (operating hours 09.00-17.00 GMT)

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## SECTION 2: Hazard Identification

### 2.1 Classification of the substance or mixture

Classification under CLP: Not classified.

Most important adverse effects: Not applicable.

### 2.2 Label Elements

REGULATION (EU) 1272/2008

None.

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## SECTION 3: Composition/ information on ingredients

No components need to be disclosed according to the applicable regulations.

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## SECTION 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 person to fresh air. If not breathing, give artificial respiration. Consult a physician.

#### In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

#### In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

#### If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

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

The most important known symptoms and effects are described in the labelling (see section 2.2) and/ or section 11.

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

No data available.

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**SECTION 5: Firefighting measures****5.1 Extinguishing media**

Use water spray, alcohol-resistant foam, dry powder or carbon dioxide.

**5.2 Special hazards arising from the substance or mixture**Substrate tablets

Carbon oxides, Nitrogen oxides (NO<sub>x</sub>), Oxides of phosphorus, Sodium oxides.

Wash buffer

Carbon oxides, Oxides of phosphorus, Hydrogen chloride gas, Potassium oxides, Sodium oxides

**5.3 Advice for firefighters**

Wear self-contained breathing apparatus for firefighting if necessary.

**5.4 Further information**

No data available.

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

Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Avoid breathing dust. (see section 8).

**6.2 Environmental precautions**

Do not let product enter the drains. Discharge into the environment must be avoided.

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

Sweep up and shovel. Keep in suitable, closed containers for disposal.

**6.4 Reference to other sections**

For disposal see section 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Avoid formation of dust and aerosols.

Provide appropriate exhaust ventilation at places where dust is formed.

Avoid contact with skin and eyes. For precautions see section 2.2.

### 7.2 Conditions for safe storage, including any incompatibilities

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

Storage temperature 2-8°C.

### 7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

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## SECTION 8: Exposure controls/ personal protection

### 8.1 Control parameters

#### Components with workplace control parameters

Contains no substances with occupational exposure limit values.

### 8.2 Exposure Controls

#### Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of the workday.

#### Personal protective equipment

##### Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

##### Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

##### Body protection

Long sleeved clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

### Respiratory protection

While handling according to the intended use no respiratory protection is necessary.

### Control of environmental exposure

Do not let product enter drains. Discharge into the environment must be avoided.

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## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

	Substrate Tablets	Wash Buffer
Physical State	Solid tablets	Powder
Colour	White	White
Odour	No data available	7.4
pH	No data available	No data available
Boiling Point	No data available	No data available
Freezing point	No data available	No data available
Flammability	Not Applicable	Not Applicable
Upper/ lower explosion limit/ flammability limit	Not Applicable	Not Applicable
Flash point	Not Applicable	Not Applicable
Auto-ignition temperature	Not Applicable	Not Applicable
Decomposition temperature	Not Applicable	Not Applicable
Viscosity	No data available	No data available
Solubility	Soluble	Soluble
Partition coefficient n-octanol/ water	No data available	No data available
Vapour pressure	No data available	No data available
Density	No data available	No data available
Relative vapour density	No data available	No data available
Particle characteristics	No data available	No data available

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No data available.

### 10.2 Chemical stability

Stable until expiry date under storage conditions detailed on labels.

### 10.3 Possibility of hazardous reactions

No data available.

#### 10.4 Conditions to avoid

Exposure to light may affect product quality.

#### 10.5 Incompatible materials

##### Substrate tablets

Strong oxidizing agents, Strong acids, Strong bases.

##### Wash buffer

Strong oxidizing agents, Strong acids.

#### 10.6 Hazardous decomposition products

##### Substrate tablets

Hazardous decomposition products formed under fire conditions. - Carbon oxides, Nitrogen oxides (NO<sub>x</sub>), Oxides of phosphorus, Sodium oxides.

##### Wash buffer

Hazardous decomposition products formed under fire conditions. - Carbon oxides, Oxides of phosphorus, Hydrogen chloride gas, Potassium oxides, Sodium oxides

Other decomposition products - No data available

In the event of fire: see section 5

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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

No data available

#### Skin corrosion/irritation

No data available

#### Serious eye damage/eye irritation

No data available

#### Respiratory or skin sensitisation

No data available

#### Germ cell mutagenicity

No data available

#### Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**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

**Additional information**

RTECS: Not available

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

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**SECTION 12: Ecological information**

**12.1 Toxicity**

No data available

**12.2 Persistence and biodegradability**

No data available

**12.3 Bioaccumulative potential**

No data available

**12.4 Mobility in soil**

No data available

**12.5 Results of PBT and vPvB assessment**

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

**12.6 Other adverse effect**

None reported

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## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Product

Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

#### Contaminated packaging

Dispose of as unused product.

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## SECTION 14: Transport information

### 14.1 UN number

Not applicable

### 14.2 UN proper shipping name

Not applicable

### 14.3 Transport hazard classes

Not applicable

### 14.4 Packaging group

Not applicable

### 14.5 Environmental hazards

Not applicable

### 14.6 Special precautions for user

No data available

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## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

### 15.2 Chemical safety assessment

No Chemical safety assessment has been carried out.

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## SECTION 16: Other information

### Abbreviations:

STEL Short-term exposure limit



TWA Time-weighted average  
RTECS The Registry of Toxic Effects of Chemical Substances  
IARC Internation Agency for Research on Cancer  
PBT Persistent, bioaccumulative and toxic  
vPvB Very persistent and very bioaccumulative

"The above information was acquired by diligent search and/or investigation and the recommendations are based on prudent application of professional judgment. The information shall not be taken as being all inclusive and is to be used only as a guide. All materials and mixtures may present unknown hazards and should be used with caution. Since the Company cannot control the actual methods, volumes, or conditions of use, the Company shall not be held liable for any damages or losses resulting from the handling or from contact with the product as described herein. THE INFORMATION IN THIS SDS DOES NOT CONSTITUTE A WARRENTY, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PUPOSE"