


**PBS – SAFETY DATA SHEET****SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

<b>1.1 Product Identifier</b> <b>Product Catalog:</b> PBS <b>CAS or REACH Number:</b> A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration, or the registration is envisaged for a later registration deadline.		
<b>1.2 Product use</b> Laboratory research.		
<b>1.3 Details of the Supplier of the Safety Data Sheet</b> Spatial Transcriptomics AB <b>Street Address:</b> Södra Fiskartorpsvägen 15 C <b>City:</b> Stockholm <b>Province:</b> Stockholm <b>Postal Code:</b> 114 33 <b>Phone number:</b> +46736697828 <b>Email:</b> sg@spatialtranscriptomics.com		
<b>1.4 Emergency telephone number: +44 (0)870 8200418 (CHEMTREC)</b>		
Date SDS prepared Apr - 2018	SDS prepared by Stefania Giacomello	Phone Number +46736697828

**SECTION 2 – HAZARDS IDENTIFICATION**

<b>2.1 Classification of the mixture</b>  <b>Classification according to Regulation (EC) No 1272/2008</b> Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008. Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC  <b>2.2 Label elements</b> The product does not need to be labelled in accordance with EC directives or respective national laws.  <b>2.3 Other hazards</b> 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.
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**SECTION 3 – COMPOSITION /INFORMATION ON INGREDIENTS**

### **3.2 Mixture**

Synonyms: PBS

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

## **SECTION 4 – FIRST AID MEASURES**

### **4.1 Description of first aid measures**

#### **After eye contact**

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 15 minutes and consult a physician and local poison centre.

#### **After inhalation**

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult physician in case of complaints.

#### **After skin contact**

Immediately wash with water and soap and rinse thoroughly. Consult physician.

#### **Ingestion**

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 in section 11

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

No data available.

## **SECTION 5 – FIRE FIGHTING MEASURES**

### **5.1 Extinguishing media**

#### **Suitable extinguishing media**

Dry chemical or carbon dioxide.

Use water spray or alcohol-resistant foam to fight larger fires.

### **5.2 Special hazards arising from the substance or mixture**

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

### **5.3 Advice for firefighters**

Wear self-contained breathing apparatus for fire-fighting if necessary and protective clothing to prevent contact with skin.

### **5.4 Further information** No further data available.

## 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. For personal protection see section 8.

**6.2 Environmental precautions:** Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

**6.3 Methods and material for containment and cleaning up:** Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

**6.4 Reference to other sections** See Section 13 for waste treatment information.

## SECTION 7 - HANDLING AND STORAGE

### **7.1 Precautions for safe handling**

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.  
For precautions see section 2.2.

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

#### **Storage**

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.  
Storage class (TRGS 510): Non-Combustible solids.

**7.3 Specific end use(s)** Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

## SECTION 8 – EXPOSURE CONTROL / PERSONAL PROTECTION

### **8.2 Exposure controls**

**Appropriate engineering controls:** General industrial hygiene practice.

#### **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 (without touching glove's outer surface) 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**

Impervious 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**

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Control of environmental exposure** No special environmental requirements.

**SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

**9.1 Information on basic physical and chemical properties**

**Appearance:**

**Physical state:** Solid.

**Colour:** No data available

**Odour:** No data available.

**Odour threshold:** No data available.

**pH-value at 20 °C:** 7,2 – 7,6 at 25°C.

**Change in condition Melting point/Melting range:** No data available.

**Boiling point/Boiling range:** No data available.

**Flash point:** 160°C – closed cup.

**Evaporation rate:** No data available.

**Flammability (solid, gas):** No data available.

**Upper/lower flammability or explosive limits:** No data available.

**Vapour pressure:** No data available.

**Vapour density:** No data available.

**Relative density:** No data available.

**Density:** No data available.

**Solubilities:** 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:** No data available.

**Oxidizing properties:** No data available.

**9.2 Other information** No data available.

**SECTION 10 – STABILITY AND REACTIVITY**

**10.1 Reactivity**

No data available.

**10.2 Chemical stability**

Stable under recommended storage conditions.

**10.3 Possibility of hazardous reactions**

No data available.

**10.4 Conditions to avoid**

No data available.

**10.5 Incompatible materials**

Strong acids, strong oxidizing agents.

**10.6 Hazardous decomposition products**

Other decomposition products - No data available. In the event of fire: see section 5.

**SECTION 11 – TOXICOLOGICAL INFORMATION**

**11.1 Information on toxicological effects**

**Acute oral toxicity**

No data available.

**Acute inhalation toxicity**

No data available.

**Acute dermal 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**

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.

**Additional Information**

RTECS: Not available Vomiting, Diarrhoea, Dehydration and congestion may occur in internal organs. Hypertonic salt solutions can produce inflammatory reactions in the gastrointestinal tract., To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

**SECTION 12 – ECOLOGICAL INFORMATION**

**12.1 Toxicity**

**Toxicity to fish** No data available

**Toxicity to daphnia and other aquatic invertebrates** No data available.

**Toxicity to algae** No data available

**12.2 Persistence and degradability**

No data available

**12.3 Bioaccumulative potential**

No data available

**12.4 Mobility in soil**

**Soil/water partition**

**coefficient ( $K_{oc}$ ):** No data available

**Mobility:** No data available

**12.5 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.

**12.6 Other adverse effects**

No further data available.

**SECTION 13 – DISPOSAL CONSIDERATION**

**13.1 Waste treatment methods**

**Product** Offer surplus and non-recyclable solutions to a licensed disposal company.

**Contaminated packaging** Dispose of as unused product. Do not reuse empty containers.

**SECTION 14 – TRANSPORT INFORMATION**

**14.1 UN number**

Not regulated as dangerous good.

**14.2 UN proper shipping name**

Not regulated as dangerous good.

**14.3 Transport hazard class(es)**

Not regulated as dangerous good.

**14.4 Packaging group**

Not regulated as dangerous good.

**14.5 Environmental hazards**

Not regulated as dangerous good.

**14.6 Special precautions for user**

Not regulated as dangerous good.

**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. 453/2010**.

**15.2 Chemical safety assessment**

For this product no Chemical Safety Assessment was carried out.

**SECTION 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:** Spatial Transcriptomics AB

**Contact: Dr. Stefania Giacomello**

**Abbreviations and acronyms:** ATE = Acute Toxicity Estimate CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008] DNEL = Derived No Effect Level EUH statement = CLP-specific Hazard statement N.A. = Not applicable/No data available PNEC = Predicted No Effect Concentration RRN = REACH Registration Number

Disclaimer

**This SDS is intended for research use only and to be used in laboratories.** The SDS is intended to provide a brief summary of our knowledge and guidance regarding the use of the materials in this kit. The information contained here has been compiled from sources considered by Spatial Transcriptomics to be dependable

	<p>and is accurate to the best of the company's knowledge. It is not meant to be an all-inclusive document on worldwide hazard communication regulations. This information is offered in good Faith. Each user of this kit need to evaluate the conditions of use and design the appropriate protective mechanisms to prevent employee exposures, property damage or release to the environment.</p> <p>Spatial Transcriptomics assumed no responsibility for injury to the recipient or third person for any damage to any property resulting from misuse or the product.</p>
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