


## BLUING REAGENT – SAFETY DATA SHEET

### SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

<p><b>1.1 Product Identifier</b> <b>Product Catalog:</b> Bluing Reagent <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.</p>	
<p><b>1.2 Product use</b> Laboratory research.</p>	
<p><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</p>	
<p><b>1.4 Emergency telephone number +1-703-527-3887 (CHEMTREC)</b></p>	

### SECTION 2 – HAZARDS IDENTIFICATION

<p><b>2.1 Classification of the substance or mixture</b> Not a hazardous substance or mixture.</p> <p><b>2.2 GHS Label elements, including precautionary statements</b> Not a hazardous substance or mixture.</p> <p><b>2.3 Hazards not otherwise classified (HNOC) or not covered by GHS</b> This substance is not considered to be persistent, bioaccumulating nor toxic (PBT).</p>
---

### SECTION 3 – COMPOSITION /INFORMATION ON INGREDIENTS

<p><b>3.2 Mixture</b> No components need to be disclosed according to the applicable regulations.</p> <p>There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.</p>
---

### 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 10 minutes. Chemical burns must be treated promptly by a physician.

##### **After inhalation**

If breathed in, move person into fresh air. Consult physician in case of complaints.

##### **After skin contact**

Immediately wash with water and soap and rinse thoroughly. Chemical burns must be treated promptly by a physician.

##### **Ingestion**

If symptoms persist consult physician.

##### **Protection of first-aiders**

No action shall be taken involving any personal risk or without suitable training.

#### **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**

To be treated symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

### **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**

Carbon oxides, sulfur oxides, other pyrolysis products typical of burning organic material.

#### **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**

Wear protective equipment. Keep unprotected persons away.

### **6.2 Environmental precautions**

Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

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

Place spilled material in clean, dry, sealable, labelled container.

### **6.4 Reference to other sections**

See Section 1 for emergency contact information. See Section 8 for information on appropriate personal protective equipment. See Section 13 for additional 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. Normal measures for preventive fire protection.

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

#### **Storage**

Requirements to be met by storerooms and receptacles: Provide proper ventilation/exhaustion. Information about storage in one common storage facility: keep away from oxidizing agents i.e. nitrates, oxidizing acids, chlorine bleaches. Further information about storage conditions: Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

**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

### **8.1 Control parameters**

#### **Occupational exposure limits**

None.

## 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. The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

### **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality

and varies from manufacturer to manufacturer.

### **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**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: Use suitable respiratory protective device in case of insufficient ventilation.

**Control of environmental exposure** Do not let product enter drains.

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

#### **Appearance:**

**Physical state:** Liquid

**Colour:** Colourless

**Odour:** Odourless

**Odour threshold:** No data available

**pH-value at 20 °C:** No data available

**Change in condition Melting point/Melting range:** 0°C (32°C)

**Boiling point/Boiling range:** 100 °C (212°F)

**Flash point:** No data available

**Evaporation rate:** No data available

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

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

**Vapour pressure:** 2.3 kPa (room temperature).

**Vapour density:** No data available  
**Relative density:** No data available  
**Density:** 1.0108 g/cm<sup>3</sup> (20°C, 68°F)  
**Solubilities:** Readily soluble in hot and cold water.  
**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 further relevant information available.

## SECTION 10 – STABILITY AND REACTIVITY

### 10.1 Reactivity

No specific test data related to reactivity available for this product or its ingredients.

### 10.2 Chemical stability

The product is stable.

### 10.3 Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

### 10.4 Conditions to avoid

No further relevant information available.

### 10.5 Incompatible materials

Reactive or incompatible with oxidizing materials.

### 10.6 Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. In the event of fire, see section 6.

## 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:** 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** No data available

## SECTION 12 – ECOLOGICAL INFORMATION

### 12.1 Toxicity

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

**PBT:** No data available

**vPvB:** No data available

### 12.6 Other adverse effects

No known significant effects or critical hazards.

## SECTION 13 – DISPOSAL CONSIDERATION

### 13.1 Waste treatment methods

**Product:** Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company. Contaminated packaging Dispose of as unused product.

#### **Packaging:**

#### **Methods of disposal**

The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

#### **Special precautions**

This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out.

Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

## SECTION 14 – TRANSPORT INFORMATION

### **ADR/RID**

Not dangerous goods

### **IMDG**

Not dangerous goods

### **IATA**

Not dangerous goods

## SECTION 15 – REGULATORY INFORMATION

**SARA 302 Components** SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313 Components** SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**SARA 311/312 Hazards** No SARA Hazards

### **Massachusetts Right To Know Components**

No components are subject to the Massachusetts Right to Know Act.

### **Pennsylvania Right To Know Components**

No components are subject to the Pennsylvania Right to Know Act.

### **New Jersey Right To Know Components**

No components are subject to the New Jersey Right to Know Act.

### **California Prop. 65 Components**

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

## 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

Disclaimer	<p><b>This SDS is intended for research use only and to be used in laboratories.</b> 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 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>
------------	--

Date of issue/ Date of revision: 2018/05/31

Date of previous issue: No previous validation

Version: 1