


## ENZYMATIC REMOVAL REAGENT A - SAFETY DATA SHEET

### SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

<b>1.1 Product Identifier</b> <b>Product Catalog:</b> Enzymatic Removal Reagent A <b>CAS or REACH Number:</b> Not available		
<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 substance or mixture</b>  Not a hazardous substance or mixture according to <b>Regulation (EC) No. 1272/2008</b> . This substance is not classified as dangerous according to <b>Directive 67/548/EEC</b> .
<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> None known.

### SECTION 3 – COMPOSITION /INFORMATION ON INGREDIENTS

The product contains no substances which at their given concentration, are considered to be hazardous to health.
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### SECTION 4 – FIRST AID MEASURES

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

##### **General advice for physician**

Treat symptomatically.

##### **After eye contact**

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

##### **After inhalation**

Not expected to be an inhalation hazard under anticipated conditions of normal use of this material. Consult a physician if necessary.

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

Wash off immediately with plenty of water for at least 15 minutes. Remove and wash contaminated clothing before re-use. Immediate medical attention is not required.

##### **Ingestion**

If accidentally swallowed obtain immediate medical attention. Rinse mouth with water.

Never give anything by mouth to an unconscious person.

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

No information available.

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

No information available.

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

#### **5.1 Extinguishing media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

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

No hazardous combustion products are known.

#### **5.3 Advice for firefighters**

Exposure to decomposition products may be a hazard to health. Wear self-contained breathing apparatus for fire-fighting if necessary and protective clothing to prevent contact with skin.

#### **5.4 Further information**

In the event of fire and/or explosion do not breathe fumes.

### **SECTION 6 – ACCIDENTAL RELEASE MEASURES**

#### **6.1 Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment. Avoid breathing dust, fume, gas, mist, vapours and spray.

#### **6.2 Environmental precautions**

Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. See Section 12 for additional information.

#### **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**

**Advice on safe handling:** Avoid formation of aerosol. Do not breathe vapours/dust. Avoid exposure - obtain special instructions before use. Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Provide sufficient air exchange and/or exhaust in work rooms. Dispose of rinse water in accordance with local and national regulations. Persons susceptible to skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

**Advice on protection against fire and explosion:** Normal measures for preventive fire protection.

**Hygiene measures:** Keep away from food and drink. Wash hands before breaks and at the end of workday. Ensure adequate ventilation, especially in confined areas. Avoid contact with the skin and the eyes. When using do not eat, drink or smoke.

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

##### **Storage**

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**

Contains no substances with occupational exposure limit values.

## 8.2 Exposure controls

**Appropriate engineering controls:** General industrial hygiene practice. Ensure adequate ventilation.

### **Personal protective equipment**

**Eye/face protection** Tightly fitting safety goggles. Wear face-shield and protective suit for abnormal processing problems. Do not wear contact lenses. Ensure that eyewash stations and safety showers are close to the workstation location. 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. The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other. Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).

### **Body Protection**

Choose body protection according to the amount and concentration of the dangerous substance at the work place. Acid-resistant protective clothing. Footwear protecting against chemicals.

### **Respiratory Protection**

In case of insufficient ventilation wear suitable respiratory equipment.

**Environmental exposure controls** Prevent product from entering drains. Do not allow material to contaminate ground water system.

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

#### **Appearance:**

**Physical state:** Liquid

**Colour:** No data available

**Odour:** Characteristic

**Odour threshold:** No data available

**pH-value at 20 °C:** 6-8.

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

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

**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:** No data available  
**Vapour density:** No data available  
**Relative density:** No data available  
**Density:** No data available  
**Solubilities:** Soluble in water  
**Partition coefficient: n-octanol/water:** No data available  
**Auto-ignition temperature:** No data available  
**Decomposition temperature:** No data available  
**Viscosity: Dynamic:** No data available. **Kinematic:** 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 decomposition if stored and applied as directed.

### 10.2 Chemical stability

No decomposition if stored and applied as directed.

### 10.3 Possibility of hazardous reactions

Stable under recommended storage conditions.

### 10.4 Conditions to avoid

No data available.

### 10.5 Incompatible materials

No data available.

### 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 5.

## SECTION 11 – TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

#### Acute oral toxicity

Not classified based on available information.

#### Acute inhalation toxicity

Not classified based on available information.

**Acute dermal toxicity**

Not classified based on available information.

**Skin corrosion/irritation**

Not classified based on available information.

**Serious eye damage/eye irritation**

Irritating to eyes.

**Ingestion**

Not classified based on available information.

**Respiratory sensitisation**

Not classified based on available information.

**Skin sensitisation**

May be irritating to skin.

**Germ cell mutagenicity**

Not classified based on available information.

**Carcinogenicity**

Not classified based on available information.

**Reproductive toxicity**

Not classified based on available information.

**Specific target organ toxicity - single exposure**

Not classified based on available information.

**Specific target organ toxicity - repeated exposure**

Not classified based on available information.

**Aspiration hazard**

Not classified based on available information.

**Additional Information**

No data available

**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 data available.

**SECTION 13 – DISPOSAL CONSIDERATION**

**13.1 Waste treatment methods**

**Product** Send to a licensed waste management company. Dispose of as hazardous waste in compliance with local and national regulations.

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

**SECTION 14 – TRANSPORT INFORMATION**

**14.1 UN number**

No data available.

**14.2 UN proper shipping name**

Not dangerous goods.

**14.3 Transport hazard class(es)**

No data available.

**14.4 Packaging group**

No data available.

**14.5 Environmental hazards**

No data available.

**14.6 Special precautions for user**

No data available.

**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

For this product a chemical safety assessment was not 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 NO DATA AVAILABLE= 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 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. 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.

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