




## WASH BUFFER REAGENT B – SAFETY DATA SHEET

### SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

<b>1.1 Product Identifier</b> <b>Product Catalog:</b> Wash Buffer Reagent B <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>  Skin irritation (Category 2), H315 Serious eye damage (Category 1), H318 For the full text of the H-Statements mentioned in this Section, see Section 16.  <b>Classification according to EU Directives 67/548/EEC or 1999/45/EC</b> Xi    Irritant R41 For the full text of the R-phrases mentioned in this Section, see Section 16.
<b>2.2 Label elements</b> <b>Labelling according Regulation (EC) No 1272/2008</b>  <div style="text-align: center;">  </div> <b>Pictogram</b> <b>Signal word</b> Danger <b>Hazard statement(s)</b>

H315	Causes skin irritation.
H318	Causes serious eye damage
<b>Precautionary statement(s)</b>	
P280	Wear eye protection/ face protection.
P305 + P351 + P338 + P310	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/ physician.
present	
call	
<b>Supplemental Hazard Statements</b>	None
<b>According to European Directive 67/548/EEC as amended.</b>	
Hazard symbol(s)	Xi Irritant
	
R-phrase(s)	
R41	Risk of serious damage to eyes.
S-phrase(s)	
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S39	Wear eye/face protection.
<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.	

### SECTION 3 – COMPOSITION /INFORMATION ON INGREDIENTS

<b>3.2 Mixture</b>					
Synonyms:		Sodium lauryl sulfate solution, Lauryl sulfate sodium salt, SDS			
Formula:		C <sub>12</sub> H <sub>25</sub> NaO <sub>4</sub> S			
Molecular weight:		288,38 g/mol			
<b>Hazardous ingredients according to Regulation (EC) No 1272/2008</b>					
Ingredient	Concentration, % (w/w)	Cas #	EC Number	Index number	Classification
Sodium dodecyl sulfate	>= 10 - < 20	151-21-3	205-788-1		Flam. Sol. 2; Acute Tox. 4; Skin Irrit. 2; Eye Dam. 1; STOT SE 3; Aquatic Chronic 3; H228, H302 +

					H332, H315, H318, H335, H412
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**Hazardous ingredients according to Directive 1999/45/EC**

Ingredient	Concentration, % (w/w)	Cas #	EC Number	Index number	Classification
Sodium dodecyl sulfate	>= 10 - < 20	151- 21-3	205-788- 1		F, Xn, R11 - R21/22 - R37/38 - R41

For the full text of the H-Statements and R-Phrases mentioned in this Section, see Section 16.

**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

**After eye contact**

In case of eye contact rinse thoroughly with plenty of water for at least 15 minutes and consult a physician

**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**

Carbon oxides, Sulfur 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**

Wear protective equipment (see section 8). Avoid dust formation. Avoid breathing dust, vapour, gas, fumes, spray.

### **6.2 Environmental precautions**

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

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

Soak with inert absorbent. Place spilled material in clean, dry, sealable, labelled container.

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

See Section 13 for waste treatment information.

## **SECTION 7 – HANDLING AND STORAGE**

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

Provide appropriate exhaust ventilation at places where mist 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. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Storage class (TRGS 510): Non-Combustible Liquids

**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**

**Components with workplace control parameters**

## 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 workday.

### Personal protective equipment

#### Eye/face protection

Tightly fitting safety goggles. Faceshield (8-inch minimum). 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.

Full contact

Material: Nitrile rubber

Minimum layer thickness: 0,11 mm

Break through time: 480 min

Material tested: Dermatril® (KCL 740 / Aldrich Z677272, Size M)

Splash contact

Material: Nitrile rubber

Minimum layer thickness: 0,11 mm

Break through time: 480 min

Material tested: Dermatril® (KCL 740 / Aldrich Z677272, Size M)

data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail

sales@kcl.de,

test method: EN374

If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

#### Body Protection

Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace

#### Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator

cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Control of environmental exposure** Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

**Appearance:**

**Physical state:** Clear liquid

**Colour:** Colourless

**Odour:** No data available.

**Odour threshold:** No data available.

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

**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:** 1,010 g/cm<sup>3</sup>

**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: 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 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 oxidizing agents.

**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**

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

The sodium salt of dodecyl sulfate has been reported to cause pulmonary sensitization resulting in hyperactive airway dysfunction and pulmonary allergy accompanied by fatigue, malaise, and aching. Significant symptoms of exposure can persist for more than two years and can be activated by a variety of nonspecific

environmental stimuli such as automobile exhaust, perfumes, and passive smoking., 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. 1907/2006**.

**15.2 Chemical safety assessment**

For this product no Chemical Safety Assessment was carried out.

**SECTION 16 – OTHER INFORMATION**

**Full text of H-Statements referred to under sections 2 and 3.**

Acute Tox.	Acute toxicity
Aquatic Chronic	Chronic aquatic toxicity
Eye Dam.	Serious eye damage
Flam. Sol.	Flammable solids
H228	Flammable solid.
H302 + H332	Harmful if swallowed or if inhaled
H315	Causes skin irritation.
H318	Causes serious eye damage.
H335	May cause respiratory irritation.
H412	Harmful to aquatic life with long lasting effects.
Skin Irrit.	Skin irritation
STOT SE	Specific target organ toxicity - single exposure

**Full text of R-phrases referred to under sections 2 and 3**

<p>F R11 R21/22 R37/38 R41 Xn</p>	<p>Highly flammable Highly flammable. Harmful in contact with skin and if swallowed. Irritating to respiratory system and skin. Risk of serious damage to eyes Harmful</p>
<p>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. <b>Department issuing SDS:</b> Spatial Transcriptomics AB <b>Contact: Dr. Stefania Giacomello</b> <b>Abbreviations and acronyms:</b> 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</p>	
<p>Disclaimer</p>	<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. 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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