

# MSDS

## CelluLyser Lysis Buffer

Version 1.1

Date of issue: 2017-09-11

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

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#### 1.1 Product identifier

*Product identifier:* CelluLyser Lysis Buffer

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

*Identified uses:* Lysis buffer

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

*Company:* TATAA Biocenter  
Odinsgatan 28  
411 03 Göteborg  
Sweden

*Phone:* +46 31 761 5700

*Fax:* +46 31 15 28 90

*Email:* info@tataa.com

#### 1.4 Emergency telephone number

*Emergency number:* 112

### SECTION 2: Hazards identification

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#### 2.1 Classification of the substance or mixture

This product does not meet the criteria for classification in any hazard class according to the CLP regulation.

#### 2.2 Label elements

The product does not need labelling according to the CLP regulation.

#### 2.3 Other hazards

None

## SECTION 3: Composition/information on ingredients

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### 3.2 Mixtures

<i>Substance</i>	<i>Concentration</i>	<i>Classification</i>
Guanidinium thiocyanate EG-nr.: 209-812-1 CAS-nr.: 593-84-0	5 wt%	Acute toxicity (category 4) H302 Harmful if swallowed H312 Harmful in contact with skin H332 Harmful if inhaled Hazardous to the aquatic environment (category chronic 3) H412 Harmful to aquatic life with long lasting effects

## SECTION 4: First aid measures

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### 4.1 Description of first aid measures

<i>If on skin:</i>	Rinse skin with water.
<i>If in eyes:</i>	Rinse cautiously with water. Remove contact lenses, if present and easy to do.
<i>If swallowed:</i>	Is not expected to be harmful if swallowed under normal use conditions. Seek medical advice if needed.
<i>If inhaled:</i>	Is not expected to be harmful if inhaled under normal use conditions. Seek medical advice if needed.

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

No particular symptoms are known.

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

No particular treatment is known.

## **SECTION 5: Firefighting measures**

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### **5.1 Extinguishing media**

*Suitable extinguishing media:* Use extinguishing media suitable for surrounding fire, for example extinguishing powder, carbon dioxide or foam.

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

No data available

### **5.3 Advice for firefighters**

Use routine firefighting procedures

## **SECTION 6: Accidental release measures**

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

Avoid contact with skin and eyes.

### **6.2 Environmental precautions**

Avoid release to the environment or to sewage system.

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

Absorb with liquid-binding material. Dispose waste in accordance with local requirements.

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

No reference to other sections is necessary.

## **SECTION 7: Handling and storage**

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

Do not eat or drink in the workplace. Avoid contact with skin and eyes.

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

Keep cool.

### **7.3 Specific end use(s)**

Follow the manual.

## **SECTION 8: Exposure controls/personal protection**

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### **8.1 Control parameters**

Does not contain any substances with national limit values.

### **8.2 Exposure controls**

Should be handled according to good practices for safety and hygiene.

## **SECTION 9: Physical and chemical properties**

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

*a) Appearance:*

Colourless liquid

*b) Odour:*

None

*c) Odour threshold:*

Not applicable

*d) pH:*

Not measured

*e) Melting point/freezing point:*

Not measured

*f) Initial boiling point and boiling range:*

Not measured

*g) Flash point:*

Not measured

*h) Evaporation rate:*

Not measured

*i) Flammability (solid, gas):*

Non flammable

*j) Upper/lower flammability or explosive limits:*

Not applicable

*k) Vapour pressure:*

Not measured

*l) Vapour density:*

Not measured

*m) Relative density:*

Not measured

*n) Solubility(ies):*

Not measured

*o) Partition coefficient: n-octanol/water:*

Not measured

*p) Auto-ignition temperature:*

No auto-ignition.

*q) Decomposition temperature:*

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Not measured

r) *Viscosity:*

Not measured

s) *Explosive properties:*

Non-explosive

t) *Oxidising properties:*

Not measured

## 9.2 Other information

No other information is available.

## SECTION 10: Stability and Reactivity

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### 10.1 Reactivity

Not measured

### 10.2 Chemical stability

The product is stable under storage at recommended temperatures (0 °C to + 10 °C).

### 10.3 Possibility of hazardous reactions

No hazardous reactions are known.

### 10.4 Conditions to avoid

No conditions to avoid are known.

### 10.5 Incompatible materials

No incompatible materials are known.

### 10.6 Hazardous decomposition products

No hazardous decomposition products are known.

## SECTION 11: Toxicological information

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### 11.1. Information on toxicological effects

Data about the toxicity of this product in itself are not available. The following toxicological information is only valid for guanidinum thiocyanate.

#### ***Guanidinum thiocyanate***

a) *Acute toxicity*

LD50 intraperitoneal – mouse – 300 mg/kg

LD50 oral – rat – 593 mg/kg

b) *Skin corrosion/irritation*

Harmful in contact with skin

*c) Serious eye damage/irritation*

May cause eye irritation

*d) Respiratory or skin sensitisation*

Harmful if inhaled

*e) Germ cell mutagenicity*

No data available

*f) Carcinogenicity*

Has not been classified as carcinogenic by IARC.

*g) Reproductive toxicity*

No data available

*h) STOT-single exposure*

No data available

*i) STOT-repeated exposure*

No data available

*j) Aspiration hazard.*

No data available

## **SECTION 12: Ecological information**

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Data about the ecotoxicity of this product in itself are not available. The following ecotoxicological information is only valid for guanidinum thiocyanate.

### ***Guanidinum thiocyanate***

#### **12.1 Toxicity**

Toxicity for daphnia and other aquatic invertebrates

EC50 – daphnia – 42.4 mg/l – 48 h.

#### **12.2 Persistence and degradability**

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**

No data available

#### **12.6 Other adverse effects**

Harmful to aquatic life

## **SECTION 13: Disposal considerations**

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### **13.1 Waste treatment methods**

The product is not classified as hazardous waste. Contact a licensed professional waste disposal service to dispose of this material. The waste can be treated as combustible waste. Do not allow to reach ground water bodies or sewage system.

## **SECTION 14: Transport Information**

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### **14.1. UN number**

Non-dangerous goods

### **14.2. UN proper shipping name**

Not applicable

### **14.3. Transport hazard class(es)**

The product is not classified as dangerous goods.

### **14.4. Packing group**

Not applicable

### **14.5. Environmental hazards**

The product is not classified as environmentally hazardous

### **14.6. Special precautions for user**

No particular precautions

### **14.7. Transport in bulk according to Annex II of Marpol112 and the IBC Code**

Not applicable

## **SECTION 15: Regulatory information**

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

No legislation specific for the mixture is known.

### **15.2 Chemical Safety Assessment**

The supplier has not carried out a chemical safety assessment for the mixture.

## **SECTION 16: Other information**

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This information is based upon the present state of our knowledge.