

# MATERIAL SAFETY DATA SHEET

## CytoZyme Reaction Buffer

Pub No.: M227

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** CytoZyme Reaction Buffer  
**PART NO:** 2022-10-x

**MANUFACTURER:** SciGene Corporation  
 470F Lakeside Drive  
 Sunnyvale, CA 94085 USA  
 (408) 733-7337

**EMERGENCY PHONE:** In case of poisoning, call your poison control center at 1-800-222-1222

### SECTION 2: HAZARDS IDENTIFICATION

#### Emergency Overview

#### OSHA Hazards

No known OSHA hazards.

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

#### HMIS Classification

<b>Health hazard:</b>	0
<b>Flammability:</b>	0
<b>Physical hazards:</b>	0

#### NFPA Rating

<b>Health hazard:</b>	0
<b>Fire:</b>	0
<b>Reactivity Hazard:</b>	0

#### Potential Health Effects

<b>Inhalation</b>	May be harmful if inhaled. May cause respiratory tract irritation.
<b>Skin</b>	May be harmful if absorbed through skin. May cause skin irritation.
<b>Eyes</b>	May cause eye irritation.
<b>Ingestion</b>	May be harmful if swallowed.

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Formula: HCL  
 Molecular Weight: 36.46 g/mol  
 No ingredients are hazardous according to OSHA criteria.

### SECTION 4: FIRST AID MEASURES

<b>If inhaled</b>	If breathed in, move person into fresh air. If not breathing, give artificial respiration.
<b>In case of skin contact</b>	Wash off with soap and plenty of water.
<b>In case of eye contact</b>	Flush eyes with water as a precaution.
<b>If swallowed</b>	Never give anything by mouth to an unconscious person. Rinse mouth with water.

### SECTION 5: FIRE-FIGHTING MEASURES

#### Conditions of flammability:

Not flammable or combustible.

#### Suitable extinguishing media:

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

#### Protective equipment for firefighters:

Wear self contained breathing apparatus (SCBA) for firefighting if necessary.

#### Hazardous combustion products:

Hazardous decomposition products formed under fire conditions. Nature of decomposition products not known.

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**SECTION 6: ACCIDENTAL RELEASE MEASURES**

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**Personal precautions:**

Avoid breathing vapors, mist or gas.

**Environmental precautions:**

Do not let product enter drains.

**Methods and materials for containment and cleaning up:**

Keep in suitable, closed containers for disposal.

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**SECTION 7: HANDLING AND STORAGE**

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**Conditions for safe storage**

Keep container tightly closed in a dry and well-ventilated place.

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**SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**

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Contains no substances with occupational exposure limit values.

**Personal protective equipment**

<b>Respiratory:</b>	Respiratory protection not required. For nuisance exposures use type OV/AG (US) or type ABEK (EU EN 14387) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
<b>Eyes:</b>	Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).
<b>Hands:</b>	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.
<b>Skin and body protection:</b>	Use impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the substance at the workplace.
<b>Hygiene measures:</b>	Use general industrial hygiene practices.

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**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

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<b>Appearance:</b>	Translucent liquid
<b>Color:</b>	Colorless
<b>Physical state:</b>	Liquid
<b>pH:</b>	no data available
<b>Boiling/condensation point:</b>	no data available
<b>Melting /freezing point:</b>	no data available
<b>Solubility:</b>	no data available
<b>Odor:</b>	no data available
<b>Viscosity:</b>	no data available
<b>Explosion limits:</b>	N/A
<b>Flash point:</b>	N/A
<b>Density:</b>	no data available
<b>Flammability:</b>	no data available

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**SECTION 10: STABILITY AND REACTIVITY**

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<b>Chemical stability:</b>	Stable under recommended storage conditions.
<b>Possibility of hazardous reactions:</b>	no data available
<b>Conditions to avoid:</b>	no data available
<b>Materials to avoid:</b>	no data available
<b>Hazardous decomposition products:</b>	Hazardous decomposition products formed under fire conditions. Nature of decomposition products not known. Other decompositions products – no data available.

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#### SECTION 11: TOXICOLOGICAL INFORMATION

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##### Acute Toxicity

###### Oral LD50

no data available

###### Inhalation LC50

no data available

###### Dermal LD50

no data available

###### Other information on acute toxicity

no data available

###### Skin corrosion/irritation

no data available

###### Serious eye damage/eye irritation

Eyes – no data available

###### Respiratory or skin sensitization

no data available

###### Germ cell mutagenicity

no data available

###### Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a Carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

###### Reproductive toxicity

no data available

###### Teratogenicity

no data available

###### Specific target organ toxicity - single exposure (Globally Harmonized System)

no data available

###### Specific target organ toxicity - repeated exposure (Globally Harmonized System)

no data available

###### Aspiration hazard

no data available

###### Potential health effects

<b>Inhalation</b>	May be harmful if inhaled. May cause respiratory tract irritation.
<b>Ingestion</b>	May be harmful if swallowed.
<b>Skin</b>	May be harmful if absorbed through skin. May cause skin irritation.
<b>Eyes</b>	May cause eye irritation.

###### Signs and Symptoms of Exposure

To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

###### Synergistic effects

no data available

###### Additional Information

RTECS: Not available

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### SECTION 12: ECOLOGICAL INFORMATION

**Toxicity**

no data available

**Persistence and degradability**

no data available

**Bioaccumulative potential**

no data available

**Mobility in soil**

no data available

**PBT and vPvB assessment**

no data available

**Other adverse effects**

no data available

### SECTION 13: DISPOSAL CONSIDERATIONS

**Product**

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

**Contaminated Packaging**

Dispose of as unused product

### SECTION 14: TRANSPORT INFORMATION

**DOT (US)**

Not dangerous goods

**IMDG**

Not dangerous goods

**IATA**

Not dangerous goods

### SECTION 15: REGULATORY INFORMATION

**OSHA Hazards**

No known OSHA hazards.

**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**

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.

Reportable Quantity:                      Lowest RQ> 999999 lbs

**Massachusetts Right To Know Components**

Hydrochloric acid	CAS-No. 7647-01-0	<u>Revision Date</u> 1993-04-24
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**Pennsylvania Right To Know Components**

Hydrochloric acid	CAS-No. 7647-01-0	1993-04-24
Water	CAS-No. 7732-18-5	

**New Jersey Right To Know Components**

Water	CAS-No. 7732-18-5
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**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

**Notice to reader**

**DISCLAIMER:** This Material Safety Data Sheet is offered without charge to the clients of SciGene. Data is the most current available to SciGene at the time of preparation and is issued as a matter of information only, no warranty as to its accuracy or completeness is expressed or implied.