

SAFETY DATA SHEET (SDS)

CytoZyme Reaction Buffer

Pub No.: M227

Rev.: 05/23/2016

SECTION 1: IDENTIFICATION

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

MANUFACTURER: SciGene Corporation
1287 Reamwood Avenue
Sunnyvale, CA 94089 USA
(408) 733-7337

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

SECTION 2: HAZARDS IDENTIFICATION

Classification in accordance with paragraph (d) of 29 CFR 1910.1200

Emergency Overview**OSHA Hazards**

No known OSHA hazards.

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

HMIS Classification

Health hazard:	0
Flammability:	0
Physical hazards:	0

NFPA Rating

Health hazard:	0
Fire:	0
Reactivity Hazard:	0

Potential Health Effects

Inhalation	May be harmful if inhaled. May cause respiratory tract irritation.
Skin	May be harmful if absorbed through skin. May cause skin irritation.
Eyes	May cause eye irritation.
Ingestion	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

If inhaled	If breathed in, move person into fresh air. If not breathing, give artificial respiration.
In case of skin contact	Wash off with soap and plenty of water.
In case of eye contact	Flush eyes with water as a precaution.
If swallowed	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

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.

SECTION 7: HANDLING AND STORAGE

Conditions for safe storage

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

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Contains no substances with occupational exposure limit values.

Personal protective equipment**Respiratory:**

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).

Eyes:

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

Hands:

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.

Skin and body protection:

Use impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the substance at the workplace.

Hygiene measures:

Use general industrial hygiene practices.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

SECTION 10: STABILITY AND REACTIVITY

Chemical stability: Stable under recommended storage conditions.**Possibility of hazardous reactions:** no data available**Conditions to avoid:** no data available**Materials to avoid:** no data available**Hazardous decomposition products:**

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

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

Inhalation	May be harmful if inhaled. May cause respiratory tract irritation.
Ingestion	May be harmful if swallowed.
Skin	May be harmful if absorbed through skin. May cause skin irritation.
Eyes	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

Revision Date

1993-04-24

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

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 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.