

Material Safety Data Sheet

Section I -- Identification

Product Name: PureLyse® Binding Buffer Manufacturer's Name & Address: Claremont BioSolutions, LLC 1182 Monte Vista Avenue #11 Upland, CA 91786-8205 909.920.3887	Emergency Information U.S. Poison Control Centers 1-800-222-1222
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Section II -- Composition/ Information on components

Per OSHA 29CFR1910.1200, Commonwealth of Australia [NOHSC:1005, 1008 (1999)] and the latest amendments to the European Union Directives 67/548/EC and 1999/45/EC, the given product does not require a Material Safety Data Sheet (MSDS). This product does not contain more than 1% of a component classified as hazardous and does not contain more than 0.1% of a component classified as carcinogenic. However, Claremont BioSolutions has prepared this MSDS as a means to provide additional safety information regarding this product.			
Chemical characterization/ description		Consists of non-hazardous buffer substances combined with chemical components listed below.	
Component	CAS No.	EINECS No.	Wt Percent
Water	7732-18-5	231-791-2	>90%
EDTA	60-00-4	200-449-4	<0.15%
Hydrochloric acid (for adjusting pH)	7647-01-0	231-595-7	<0.01%

Section III-- Hazards Identification

Emergency Overview OSHA Hazards UN / EU Hazards	No known OSHA hazards No known UN/ EU hazards
HMIS Classification Health Hazard Flammability Physical hazards	1 0 0
NFPA Rating Health Hazard Fire Reactivity Hazard	1 0 0
Potential Health Effects Inhalation Skin Eyes Ingestion	No inhalation hazard. May cause skin irritation. May cause eye irritation. May be harmful if swallowed.

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Section IV– First Aid Measures

If inhaled	No inhalation hazard.
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	Rinse mouth with water.

Section V– Fire-Fighting Measures

Flammable properties Flash point Ignition temperature	n/a Product is not self-igniting
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.
Special protective equipment for fire fighters	n/a

Section VI– Accidental Release Measures

Personal Precautions	Normal measures for preventive exposure to vapors, mist, or gas.
Environmental Precautions	Product is safe to enter drains.
Methods for cleaning up	Keep in suitable, closed container for disposal

Section VII– Handling and Storage

Handling	Normal measures for preventive fire protection.
Storage	Keep container tightly closed in a dry and well-ventilated place. Recommended storage temperature: 2-8 °C

Section VIII– Exposure Controls/Personal Protection

Contains no substances with occupational exposure limit values.	
Personal Protective equipment	
Respiratory protection	Respiratory protection is not required. Where protection is desired, use multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
Hand protection	For prolonged or repeated contact use protective gloves.
Eye protection	Safety glasses recommended, as with working with any chemical substances
Hygiene measures	General industrial hygiene practices

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Section IX– Physical and Chemical Properties

Appearance	
Form	Clear, liquid
Color	Colorless
Safety Data	
pH	4.0
Melting point	undetermined
Boiling point	undetermined
Flash point	n/a
Ignition temperature	Product is not self-igniting
Lower explosion limit	Product does not present an explosion hazard
Upper explosion limit	Product does not present an explosion hazard
Density	~1.0 g/cm ³
Water solubility/miscibility	Fully miscible

Section X– Stability and Reactivity

Storage stability	Stable under recommended storage conditions
Materials to avoid	Strong oxidizing agents; concentrated acids or bases
Hazardous decomposition products	No expected hazardous decomposition products formed under fire conditions.

Section XI– Toxicological Information

Acute toxicity	No data available
Irritation and corrosion	No data available
Sensitization	No data available
Chronic exposure IARC/ACGIH/NTP/OSHA	No components 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/NTP/OSHA
Signs & Symptoms of Exposure	To the best of the company's knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.
Potential Health Effects	
Inhalation	No inhalation hazard.
Skin	May cause skin irritation.
Eyes	May cause eye irritation.
Ingestion	May be harmful if swallowed.

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Section XII– Ecological Information

Elimination information (persistence and degradability)	No data available
Ecotoxicity effects	No data available
Further information on ecology	No data available

Section XIII– Disposal Considerations

Product	n/a. Always observe all federal, state, and local environmental regulations.
Contaminated packaging	Dispose of as unused product.

Section XIV– Transport Information

DOT (US)	Not dangerous goods
UN number labeling/ packaging	Not dangerous goods
IMDG	Not dangerous goods
IATA	Not dangerous goods

Section XV– Regulatory Information

OSHA Hazards	No known OSHA hazards
DSL Status	All components of this product are on the Canadian DSL list.
SARA 302 Components	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
Massachusetts Right to Know Components	No components are subject to the Massachusetts Right to Know Act.
California Prop. 65 Components	This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

Section XVI– Other Information

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