

Products supplied by BioWest are for laboratory and research use only.

I PRODUCT IDENTIFICATION AND COMPANY IDENTIFICATION

Product Name: Glutamine Stable 100X, 200mM
Cat N° Biowest X0551
Product Classification: Cell Culture Reagents

Company identification: BioWest
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II COMPOSITION, INFORMATION ON INGREDIENTS

The following list shows components of this product classified as hazardous based on physical properties and health effects:

Component	Cas n°	Percent
No hazardous Components		

III POSSIBLE HAZARDS

Occupational exposure presents little or no health hazard.

EYES: May cause irritation of the eye
SKIN: May cause skin irritation
INHALATION: No toxicity expected from inhalation
INGESTION: May cause nausea or vomiting
CHRONIC: No data on cancer

IV FIRST AID MEASURES

EYES: Flush with plenty of water for at least 15 minutes, holding eyelids open. Obtain medical attention if symptoms develop (redness, itching, etc...)

SKIN: Flush skin with plenty of soap and water for at least 15 minutes. Obtain medical attention if symptoms develop (redness, itching, etc...). Remove contaminated clothing and shoes, wash before re-use.

INHALATION: Remove from exposure to fresh air. Obtain medical attention unless effects are mild and temporary.

INGESTION: Give plenty of water, if conscious. If vomiting occurs naturally, wash mouth out. Be prepared to induce vomiting upon a physician's advice. Obtain medical attention if symptoms develop.

NOTE TO PHYSICIAN: Treat symptomatically.

V FIRE FIGHTING MEASURES**General Information:**

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

Extinguishing Media:

Use agent most appropriate to extinguish fire. Use water spray, dry chemical, or appropriate foam.

Hazardous Combustion Products: Carbon oxides, dense smoke

Flash Point (Method used): Not available

Explosion limits, lower: Not available

Explosion limits, upper: Not available

VI ACCIDENTAL RELEASE MEASURES**General Information:**

Use proper personal protective equipment as indicated in Section VIII.

Spills/Leaks:

Wear rubber (surgical latex) or other chemical resistant gloves.

Absorb liquid on sand, vermiculite, or other absorbent material. Place in a closed container and hold for waste disposal. Wash area thoroughly after clean-up in complete.

VII HANDLING and STORAGE

Storage: Store at -20°C. Protect from light.

Intended use: For cell culture / in vitro laboratory use only, not for drug, human or veterinary use.

VIII EXPOSURE CONTROLS, PERSONAL PROTECTION

Engineering Controls: Facilities storing or utilising this material should be equipped with an eyewash facility and a safety shower.

Exposure Limits: not available

Personal Protective Equipment Safety glasses or goggles

Chemical-resistant gloves.

Protective clothing recommended

Mechanical (general) or local exhaust

Safety shower and eye bath.

Keep container tightly closed.

Avoid ingestion and inhalation.

IX PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Colorless solution
Vapor Pressure:	Not available
Vapor Density:	Not available
Evaporation Rate:	Not available
Viscosity:	Not available
Freezing/Melting Point:	Not available
Decomposition Temperature:	Not available
Specific Gravity/Density:	Not available

X STABILITY AND REACTIVITY

Chemical Stability:	Stable under normal temperatures and pressures.
Conditions to avoid:	Strong oxidizers
Hazardous Polymerization:	Will not occur

XI TOXICOLOGICAL INFORMATION**Toxicity Data:**

Carcinogenicity:	Not found.
Epidemiology:	Not found.
Teratogenicity:	Not found.
Reproductive Effects:	Not found.
Neurotoxicity:	Not found.
Mutagenicity:	Not found.
Other Studies:	Not found.

XII ECOLOGICAL INFORMATION

Environmental Fate:	Not found.
Environmental Toxicity:	Not found.

XIII DISPOSAL CONSIDERATIONS

Contact a licensed professional waste disposal service to dispose of this material.
Observe all federal, state and local environmental regulations

XIV TRANSPORT INFORMATION

RID/ADR:	Non hazardous for road transport
IMDG:	Non hazardous for sea transport
IATA:	Non hazardous for air transport

XV REGULATORY INFORMATION

The product is classified non hazardous

XVI OTHER INFORMATION

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