



Safety Data Sheet

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

Identification of the substance or mixture

Product code 25030081
Product name L GLUTAMINE, 100X

Company/undertaking identification

Life Technologies Corporation
5781 Van Allen Way
PO Box 6482
Carlsbad, CA 92008
+1 760 603 7200

Life Technologies
5250 Mainway Drive
Burlington, ONT
CANADA L7L 6A4
800/263-6236

24 hour Emergency Response: 866-536-0631
301-431-8585
Outside of the U.S. +1-301-431-8585

Country specific Emergency Number (if available):
CHEMTREC Brazil (Rio De Janeiro) +(55)-2139581449 (português)

For in vitro diagnostic use.

SECTION 2: Hazards identification

GHS - Classification

Signal Word
None

Health hazards
Not classified

Physical hazards
Not classified

Hazard Statements
Not Applicable

Precautionary Statements

Prevention
Not Applicable

Response
Not Applicable

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Storage
Not Applicable

Disposal
Not Applicable

Precautionary Statements
Not Applicable

Principle Routes of Exposure
Potential Health Effects

eyes May cause eye irritation with susceptible persons.
Skin May cause skin irritation in susceptible persons.
inhalation May be harmful by inhalation.
Ingestion May be harmful if swallowed.

Specific effects

Carcinogenic effects None.
Mutagenic effects None.
Reproductive toxicity None.
Sensitization None.

Target Organ Effects No known effects under normal use conditions.

HMIS

| | |
|--------------|---|
| Health | 0 |
| Flammability | 0 |
| Reactivity | 0 |

SECTION 3: Composition/information on ingredients

The product contains no substances which at their given concentration, are considered to be hazardous to health.

SECTION 4: First aid measures

Skin contact Rinse cautiously with water for several minutes. Immediate medical attention is not required.
Eye contact Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
Ingestion Not expected to present a significant ingestion hazard under anticipated conditions of normal use. If you feel unwell, seek medical advice.
inhalation Not expected to be an inhalation hazard under anticipated conditions of normal use of this material. Consult a physician if necessary.
Most important symptoms and effects, both acute and delayed
Not Applicable

Notes to Physician Treat symptomatically.

SECTION 5: Firefighting measures

Suitable extinguishing media Water spray. Carbon dioxide (CO2). Foam. Dry chemical.
Special protective equipment for firefighters Standard procedure for chemical fires.

Specific hazards arising from the chemical

Not known

SECTION 6: Accidental release measures

Personal precautions Always wear recommended Personal Protective Equipment. Use personal protection equipment.

Methods for cleaning up Soak up with inert absorbent material.

Environmental precautions

No special environmental precautions required.

See Section 12 for more information.

SECTION 7: Handling and storage

Handling Always wear recommended Personal Protective Equipment. No special handling advices are necessary.

Storage Keep in a dry, cool and well-ventilated place.

SECTION 8: Exposure controls/personal protection

Exposure Limits

We are not aware of any national exposure limit.

Engineering measures Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Personal Protective Equipment requirements are dependent on the user institution's risk assessment and are specific to the risk assessment for each laboratory where this material may be used.

Respiratory protection In case of insufficient ventilation, wear suitable respiratory equipment.

Hand protection Impervious gloves.

Eye protection Wear safety glasses with side shields (or goggles).

Skin and Body Protection Lightweight protective clothing.

Hygiene measures Handle in accordance with good industrial hygiene and safety practice.

Environmental exposure controls No special environmental precautions required.

SECTION 9: Physical and chemical properties

General information

| | | |
|--------------------------------------|----------------------|----------------------|
| Form | Liquid | |
| Appearance | No data available | |
| Odor | No data available | |
| Odor Threshold | No data available | |
| Boiling point / boiling range | °C No data available | °F No data available |
| Melting point / melting range | °C No data available | °F No data available |
| flash point | °C No data available | °F No data available |
| Autoignition Temperature | °C No data available | °F No data available |

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| | |
|---|-------------------|
| Evaporation rate | No data available |
| Flammability (solid, gas) | No data available |
| Oxidizing properties | No data available |
| Water solubility | No data available |
| Upper explosion limit | No data available |
| Lower explosion limit | No data available |
| Partition coefficient: n-octanol/water | No data available |
| Vapor Pressure | No data available |
| vapor density | No data available |
| Viscosity | No data available |
| pH value | 6-8 |

SECTION 10: Stability and reactivity

| | |
|---|---|
| Stability | Stable under normal conditions. |
| Materials to avoid | No dangerous reaction known under conditions of normal use. |
| Possibility of hazardous reactions | Hazardous reaction has not been reported |
| Hazardous decomposition products | None under normal use conditions. |
| polymerization | Hazardous polymerization does not occur. |
| Conditions to avoid | None under normal processing. |

SECTION 11: Toxicological information

Acute Toxicity

No toxicology information is available.

Principle Routes of Exposure

Potential Health Effects

| | |
|------------------------------|--|
| eyes | May cause eye irritation with susceptible persons. |
| Skin | May cause skin irritation in susceptible persons. |
| inhalation | May be harmful by inhalation. |
| Ingestion | May be harmful if swallowed. |
| Carcinogenic effects | None. |
| Mutagenic effects | None. |
| Reproductive toxicity | None. |
| Sensitization | None. |

SECTION 12: Ecological information

| | |
|--------------------|--|
| Ecotoxicity | Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants. |
| Mobility | No information available. |

Biodegradation No information available.
Bioaccumulation No information available.

SECTION 13: Disposal considerations

Dispose of contents/containers in accordance with local regulations.

SECTION 14: Transport information

IATA

| | |
|------------------------------|---|
| Proper Shipping Name | No dangerous good in sense of these transport regulations |
| Hazard Class | None |
| Subsidiary class | None |
| Packing group | None |
| UN-No | None |
| Environmental hazards | None |

SECTION 15: Regulatory information

US Federal Regulations

SARA 313

This product is not regulated by SARA.

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product does not contains HAPs.

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

WHMIS Hazard Class

Non-controlled

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

SECTION 16: Other information

Reason for revision SDS sections updated.

For in vitro diagnostic use.

"The above information was acquired by diligent search and/or investigation and the recommendations are based on prudent application of professional judgment. The information shall not be taken as being all inclusive and is to be used only as a guide. All materials and mixtures may present unknown hazards and should be used with caution. Since the Company cannot control the actual methods, volumes, or conditions of use, the Company shall not be held liable for any damages or losses resulting from the handling or from contact with the product as described herein.

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End of Safety Data Sheet