SAFETY DATA SHEET

1. Identification of the substance/mixture and of the company/undertaking

Identification of the substance/preparation

Product code LC5311
Product name Novex® IEF Sample Buffer pH 3-10 (2X)

Company/Undertaking Identification

Life Technologies
5791 VAN ALLEN WAY
PO BOX 6482
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24 hour Emergency Response (Transport):

866-536-0631
301-431-8585
Outside of the U.S. ++1-301-431-8585

For research use only. Not intended for human or animal diagnostic or therapeutic uses.

2. Hazards identification

Australian MSDS Statement Classified as non-hazardous according to the criteria of Worksafe Australia.

GHS - Classification

Signal word
not hazardous

Health hazard
not hazardous

Physical hazards
not hazardous

European Union
Not hazardous

EU Specific Hazard Statements

R-phrase(s)
None

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
Sensitisation	none
Target Organ Effects	None under normal use conditions

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No.	EINECS-No.	Weight percent
Sodium azide	26628-22-8	247-852-1	<0.1
Glycerin	56-81-5	200-289-5	60-100

The product contains no substances which at their given concentration, are considered to be hazardous to health. We recommend handling all chemicals with caution. Sodium azide may react with lead and copper plumbing to form highly explosive metal azides.

4. FIRST AID MEASURES

Skin contact Rinse with plenty of water. If symptoms arise, call a physician.

Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.

Ingestion Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Do not induce vomiting without medical advice.

Inhalation Move to fresh air. If symptoms persist, call a physician. If not breathing, give artificial respiration.

Notes to physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media Water spray. Carbon dioxide (CO2). Foam. Dry chemical.

Special protective equipment for firefighters Wear self-contained breathing apparatus and protective suit.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions Use personal protective equipment.

Methods for cleaning up Soak up with inert absorbent material.

Environmental precautions

Prevent further leakage or spillage if safe to do so.

See Section 12 for additional information.

7. HANDLING AND STORAGE

Handling Avoid contact with skin, eyes and clothing. Wear personal protective equipment.

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

8. Exposure controls/personal protection

Exposure limits

Engineering measures Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Respiratory protection	In case of insufficient ventilation wear suitable respiratory equipment.
Hand protection	Impervious gloves.
Eye protection	Safety glasses with side-shields.
Skin and body protection	Lightweight protective clothing.
Hygiene measures	Handle in accordance with good industrial hygiene and safety practice.
Environmental exposure controls	Prevent product from entering drains.

9. PHYSICAL AND CHEMICAL PROPERTIES

General Information

Form	liquid	
Appearance	No information available	
Odour	No information available	
Boiling Point/Range	**°C** No data available	**°F** No data available
Melting point/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
oxidising properties	No information available	
Water solubility	soluble	

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions.
Materials to avoid	Sodium azide may react with lead and copper plumbing to form highly explosive metal azides.
Hazardous decomposition products	None under normal use.
polymerisation	Hazardous polymerisation does not occur.

11. Toxicological information

Acute toxicity

Chemical Name	LD50 (oral,rat/mouse)	LD50 (dermal,rat/rabbit)	LC50 (inhalation,rat/mouse)
Sodium azide	= 27 mg/kg (Rat)	No data available	No data available
Glycerin	= 12600 mg/kg (Rat)	No data available	No data 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.
Sensitisation none.

Target Organ Effects None under normal use conditions

12. ECOLOGICAL INFORMATION

Ecotoxicity effects No information available.
Mobility No information available.
Biodegradation Inherently biodegradable.
Bioaccumulation Does not bioaccumulate.

Chemical Name	Freshwater Algae Data	Water Flea Data	Freshwater Fish Species Data	Microtox Data	log Pow
Glycerin 56-81-5		Daphnia magna EC50>500 mg/L (24 h)			logPow-1.76

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with local regulations.

14. TRANSPORT INFORMATION

IATA

Proper shipping name Not classified as dangerous in the meaning of transport regulations.
Hazard class None
Subsidiary Class None
Packing group None
UN-No None

15. Regulatory information

International Inventories

Chemical Name	EINECS	ELINCS	ENCS	PICCS	TSCA
Sodium azide	Listed	-	Listed	Listed	Listed
Glycerin	Listed	-	Listed	Listed	Listed

Chemical Name	China	AICS	KECL	DSL	NDSL
Sodium azide	Listed	Listed	Listed	Listed	-
Glycerin	Listed	Listed	Listed	Listed	-

Industrial Safety and Health Law
This product complies with ISHL
Toxic Chemicals Control Law

Japan

Industrial Safety and Health Law
This product complies with ISHL

Korea

16. OTHER INFORMATION

Reason for Revision (M)SDS sections updated

For research use only. Not intended for human or animal diagnostic or therapeutic uses.

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End of Safety Data Sheet