

SAFETY DATA SHEET

1. Identification

Product Identifier Quenching Buffer 1
Other means of identification
Product Code 1002536
Recommended use Reagent for research use only.
Recommended restrictions Uses other than the recommended use.

Manufacturer/Importer/Supplier/Distributor information

Company name Stellaromics
Address 321 Harrison Avenue
Boston, Massachusetts 02118-4677
United States

Emergency telephone number

Americas Access Code +1 760 476 3961
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2. Hazard(s) identification

GHS - Classification

Signal Word
WARNING

Hazard pictograms



Health hazards

Serious eye damage/eye irritation	Category 2
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Physical hazards

Not Hazardous

Environmental hazards

Chronic aquatic toxicity	Category 3
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Hazard Statements

H319 - Causes serious eye irritation
H412 - Harmful to aquatic life with long lasting effects

Precautionary Statements

Prevention

P280 - Wear protective gloves/protective clothing/eye protection/face protection
P273 - Avoid release to the environment

P264 - Wash hands thoroughly after handling

Response

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P337 + P313 - If eye irritation persists: Get medical advice/attention

Storage

Not Applicable

Disposal

P501 - Dispose of contents/ container to an approved waste disposal plant

Other hazards

Not Applicable

HMIS

Health	1
Flammability	0
Reactivity	0

3. Composition/information on ingredients

Mixtures

Chemical name	CAS number	%
Triton X-100	9002-93-1	1

Composition comments All concentrations are in percent by weight. Components not listed are either non-hazardous or are below reportable limits.

4. First aid measures

Description of first aid measures

Skin contact	Wash off immediately with plenty of water for at least 15 minutes. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Immediate medical attention is required.
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Immediate medical attention is required.
Ingestion	Never give anything by mouth to an unconscious person. Do not induce vomiting without medical advice. Get medical attention if symptoms occur.
Inhalation	Remove to fresh air. If not breathing, give artificial respiration. If symptoms persist, call a physician.
Notes to Physician	Treat symptomatically.

Most important symptoms and effects, both acute and delayed

H319 - Causes serious eye irritation H412 - Harmful to aquatic life with long lasting effects

Indication of any immediate medical attention and special treatment needed

None.

5. Firefighting measures

Extinguishing media

Suitable extinguishing media

Water spray. Carbon dioxide (CO₂). Foam. Dry chemical.

Unsuitable extinguishing media

No information available.

Special hazards arising from the substance or mixture

Not known.

Advice for fire-fighters

Wear self-contained breathing apparatus and protective suit.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation
Avoid contact with skin, eyes or clothing Use personal protection equipment
See Section 8 for more detail.

Environmental precautions

No special environmental precautions required.

Methods and material for containment and cleaning up

Soak up with inert absorbent material.

Reference to other sections

See section 8 for more information.

7. Handling and storage

Precautions for safe handling

Always wear recommended Personal Protective Equipment. See Section 8 for more detail. Do not get in eyes, on skin, or on clothing. Do not ingest. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator.

Conditions for safe storage, including any incompatibilities

Keep in a dry, cool and well-ventilated place. Keep in properly labeled containers. Store in accordance with local regulations.

Specific end use(s)

Use as laboratory reagent. Scientific research and development.

8. Exposure controls/personal protection

Control parameters

Chemical Name	OSHA PEL	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
Triton X-100	None	None	None	None

Engineering measures

Ensure adequate ventilation, especially in confined areas.

Exposure controls

Personal Protective Equipment

Respiratory protection

In case of insufficient ventilation wear respirators and components tested and approved under appropriate government standards.

Hand protection

Glove material: Nitrile rubber. with thickness (mm) :.5. Break through time. (hours).

:1.
Recommended glove type has not been tested for use with product. Information is based on professional Knowledge.

- Eye protection** Tight sealing safety goggles.
- Skin and Body Protection** Wear laboratory coat for body protection.
- Hygiene measures** Handle in accordance with good industrial hygiene and safety practice
- Environmental exposure controls**
No special environmental precautions required.

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance	liquid		
Odor	Mixture has not been tested		
Odor Threshold	Mixture has not been tested		
Melting point / melting range	°C Mixture has not been tested		°F Mixture has not been tested
Boiling point / boiling range	°C Mixture has not been tested		°F Mixture has not been tested
Flash point	°C Mixture has not been tested		°F Mixture has not been tested
Autoignition Temperature	°C Mixture has not been tested		°F Mixture has not been tested
Decomposition temperature	°C Mixture has not been tested		
Evaporation rate	No data available		
Flammability (solid, gas)	Not Applicable		
Upper explosion limit	Mixture has not been tested	Lower explosion limit	Mixture has not been tested
Vapor Pressure	Mixture has not been tested		
Relative density	Mixture has not been tested		
Specific gravity	No data available		
Solubility	Mixture has not been tested		
Partition coefficient: n-octanol/water			
Viscosity	Mixture has not been tested		
Explosive properties	Mixture has not been tested		
Oxidizing properties	Mixture has not been tested		

Other information
No data available.

10. Stability and reactivity

Reactivity	None known.
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	Hazardous reaction has not been reported.
Conditions to avoid	No information available.
Incompatible materials	No dangerous reaction known under conditions of normal use.
Hazardous decomposition products	No known hazardous decomposition products.

11. Toxicological information

Information on toxicological effects

Chemical Name	LD50 (oral, rat/mouse)	LD50 (dermal, rat/rabbit)	LC50 (inhalation, rat/mouse)
Triton X-100	= 1800 mg/kg (Rat)	No data available	No data available

Principal Routes of Exposure

Irritation	Irritating to eyes.
Corrosivity	Conclusive but not sufficient for classification
Sensitization	Conclusive but not sufficient for classification
STOT - Single Exposure	Conclusive but not sufficient for classification
STOT - Repeated Exposure	Conclusive but not sufficient for classification
Mutagenicity	Conclusive but not sufficient for classification
Reproductive toxicity	Conclusive but not sufficient for classification
Aspiration hazard	Conclusive but not sufficient for classification

12. Ecological information

Toxicity

The environmental impact of this product has not been fully investigated.

Chemical Name	Freshwater Algae Data	Water Flea Data	Freshwater Fish Species Data	Microtox Data	log Pow
Triton X-100	EC50: 0.21 mg/L (96hr)	No data available	No data available	No data available	No data available

Persistence and degradability No information available.

Bioaccumulative potential No information available.

Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

Other adverse effects No information available.

13. Disposal considerations

Waste treatment methods

The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in according to approved disposal technique. Disposal of this product, its solutions or of any by-products, shall comply with the requirements of all applicable local, regional or national/federal regulations.

14. Transport information

IATA / ADR / DOT-US / IMDG

Not regulated in the meaning of transport regulations.

UN number	Not Applicable
UN proper shipping name	Not Applicable
Transport hazard class(es)	Not Applicable
Packing group	Not Applicable

Environmental hazards

Not Applicable

Special precautions for user

Not Applicable

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable.

15. Regulatory information

Component	US TSCA
Triton X-100 9002-93-1 (10)	Listed

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

D2B - Toxic materials



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

16. Other information**Issue date** 22-September-2025**Revision date** -**Version#** 01

Disclaimer Stellaromics cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.