

This SDS complies with the US OSHA HCS 2012.

1. Product and Company Identification

Product Code: 0003358
Product Name: Triton X-100
Company Name: CalibreScientific US, Inc. **Phone Number:** 1 (360)260-2779
 1311 SE Cardinal Ct Suite 170
 Vancouver, WA 98683
Web site address: Alphatecsystems.com
Email address: Regulatory@calibrescientific.com
Emergency Contact: INFOTRAC
 International 00-1- (352)323-3500
Information: North America 1 (800)535-5053
Intended Use: For Laboratory Use Only
Product List Triton X-100 20%, Product Codes: X000401, 0004043, 0004045, 0004060.

2. Hazards Identification

Skin Corrosion/Irritation, Category 2
Serious Eye Damage/Eye Irritation, Category 1
Aquatic Toxicity (Chronic), Category 3



GHS Signal Word: **Danger**

GHS Hazard Phrases: H315 - Causes skin irritation.
 H318 - Causes serious eye damage.
 H412 - Harmful to aquatic life with long lasting effects.

GHS Precautionary Phrases: P264 - Wash hands thoroughly after handling.
 P273 - Avoid release to the environment.
 P280 - Wear protective gloves/protective clothing/eye protection/face protection.

GHS Response Phrases: P302+352 - IF ON SKIN: Wash with plenty of soap and water.
 P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P310 - Immediately call a POISON CENTER or doctor/physician.
 P332+313 - If skin irritation occurs, get medical advice/attention.
 P362+364 - Take off contaminated clothing and wash it before reuse.

GHS Storage and Disposal Phrases: P501 - Dispose of contents/container to safe area according to state and local guidelines.

Potential Health Effects (Acute and Chronic): Repeated exposure may cause sensitization dermatitis.
 Chronic: May cause kidney damage.

Inhalation: May be harmful if inhaled.

Skin Contact: May cause skin irritation. May cause skin sensitization, an allergic reaction, which becomes evident upon re-exposure to this material. May be harmful if absorbed through the skin. Causes mild skin irritation.

Eye Contact: Causes severe eye irritation. Causes redness and pain. Risk of serious damage to eyes.

Ingestion: May cause gastrointestinal irritation with nausea, vomiting and diarrhea. May be harmful if swallowed. May cause irritation of the digestive tract.

3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration
9002-93-1	Octylphenoxypolyethoxyethanol	10.0 -20.0 %
25322-68-3	Polyethylene glycol {Poly(ethylene oxide)}	0.6 %
26628-22-8	Sodium azide {Na(N3)}	10.0 -100.0 PPM
7732-18-5	Water	No Data.

4. First Aid Measures

Emergency and First Aid Procedures:

In Case of Inhalation: Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear. Do not use mouth-to-mouth resuscitation if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

In Case of Skin Contact: Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists. Get medical aid.

In Case of Eye Contact: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately. Get medical aid.

In Case of Ingestion: Call a poison control center. Get medical aid if irritation or symptoms occur.

Note to Physician: Treat symptomatically and supportively.

5. Fire Fighting Measures

Flash Point: 229.00 C Method Used: Estimate

Explosive Limits: LEL: No data. UEL: No data.

Autoignition Pt: NA

Suitable Extinguishing Media: Water or foam may cause frothing. Use foam, dry chemical, or carbon dioxide.

Fire Fighting Instructions: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Dusts at sufficient concentrations can form explosive mixtures with air. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

Flammable Properties and Hazards: No data available.

Hazardous Combustion Products: No data available.

6. Accidental Release Measures

Steps To Be Taken In Case Material Is Released Or Spilled: Use proper personal protective equipment as indicated in Section 8. Spills/Leaks: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Provide ventilation. Do not expose spill to water. Do not let this chemical enter the environment. Vacuum or sweep up material and place into a suitable disposal container. Avoid generating dusty conditions.

7. Handling and Storage

Precautions To Be Taken in Handling: Do not get in eyes, on skin, or on clothing. Do not ingest or inhale. Use with adequate ventilation. Minimize dust generation and accumulation.

Precautions To Be Taken in Storing: Store in a cool, dry place. Do not store in direct sunlight. Keep away from sources of ignition.

8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
9002-93-1	Octylphenoxypolyethoxyethanol	No data.	No data.	No data.
25322-68-3	Polyethylene glycol {Poly(ethylene oxide)}	No data.	No data.	No data.
26628-22-8	Sodium azide {Na(N3)}	No data.	CEIL: 0.29 mg/m3	No data.
7732-18-5	Water	No data.	No data.	No data.

Respiratory Equipment (Specify Type): Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced. A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.

Eye Protection: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Protective Gloves: Wear appropriate protective gloves to prevent skin exposure.

Other Protective Clothing: Wear appropriate protective clothing to prevent skin exposure.

Engineering Controls (Ventilation etc.): Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

9. Physical and Chemical Properties

Physical States: [] Gas [X] Liquid [] Solid

Appearance and Odor: Colorless/Clear.
Odorless.

pH: No data.

Melting Point: 6.00 C - 61.00 C

Boiling Point: 200.00 C / 0.0 mm Hg

Flash Point: 229.00 C Estimate

Evaporation Rate: No data.

Flammability (solid, gas): No data available.

Explosive Limits: LEL: No data. UEL: No data.

Vapor Pressure: No data.

Vapor Density (vs. Air=1): No data.

Specific Gravity (Water=1): 1.013

Solubility in Water: No data.

Saturated Vapor Concentration: No data.

Octanol/Water Partition No data.

Coefficient:	
Autoignition Pt:	NA
Decomposition Temperature:	No data.
Viscosity:	No data.

10. Stability and Reactivity

Stability:	Unstable [] Stable [X]
Conditions To Avoid - Instability:	High temperatures, Incompatible materials, Light, Exposure to air, dust generation.
Incompatibility - Materials To Avoid:	Strong reducing agents, Strong acids, Strong oxidizing agents.
Hazardous Decomposition or Byproducts:	Carbon monoxide.
Possibility of Hazardous Reactions:	Will occur [] Will not occur [X]
Conditions To Avoid - Hazardous Reactions:	No data available.

11. Toxicological Information

Toxicological Information:	Epidemiology: No information found. Teratogenicity: No information available. Reproductive Effects: Mutagenicity: Neurotoxicity: No information available. Other Studies:
Carcinogenicity/Other Information:	CAS# 9002-93-1: Not listed by ACGIH, IARC, NTP, or CA Prop 65. CAS# 25322-68-3: Not listed by ACGIH, IARC, NTP, or CA Prop 65.
Carcinogenicity:	NTP? No IARC Monographs? No OSHA Regulated? No

12. Ecological Information

General Ecological Information:	Environmental: No information available. Physical: No information available. No information found. Physical: No information found.
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13. Disposal Considerations

Waste Disposal Method:	Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification. RCRA P-Series: None listed. RCRA U-Series: None listed.
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14. Transport Information

GHS Classification:	Skin Corrosion/Irritation, Category 2 - Warning! Causes skin irritation Serious Eye Damage/Eye Irritation, Category 1 - Danger! Causes serious eye damage Aquatic Toxicity (Chronic), Category 3 - Harmful to aquatic life with long lasting effects
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LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Not regulated as a hazardous material.

DOT Hazard Class:

UN/NA Number:

LAND TRANSPORT (Canadian TDG):

TDG Shipping Name: Not regulated as a hazardous material.

UN Number:

Hazard Class:

TDG Classification:

LAND TRANSPORT (European ADR/RID):

ADR/RID Shipping Name: Not regulated as a hazardous material.

UN Number:

Hazard Class:

AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name: Not regulated as a hazardous material.

UN Number:

Packing Group:

Hazard Class:

15. Regulatory Information

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
9002-93-1	Octylphenoxypolyethoxyethanol	No	No	No
25322-68-3	Polyethylene glycol {Poly(ethylene oxide)}	No	No	No
26628-22-8	Sodium azide {Na(N3)}	Yes 500 LB	Yes NA	Yes
7732-18-5	Water	No	No	No

Other US EPA or State Lists

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
9002-93-1	Octylphenoxypolyethoxyethanol	CA PROP.65: No; MA Oil/HazMat: No; NJ EHS: No; PA HSL: No
25322-68-3	Polyethylene glycol {Poly(ethylene oxide)}	CA PROP.65: No; MA Oil/HazMat: No; NJ EHS: No; PA HSL: No
26628-22-8	Sodium azide {Na(N3)}	CA PROP.65: No; MA Oil/HazMat: Yes; NJ EHS: Yes - 1684; PA HSL: Yes - E
7732-18-5	Water	CA PROP.65: No; MA Oil/HazMat: No; NJ EHS: No; PA HSL: No

16. Other Information

Revision Date: 03/21/2025 **Previous revision:** 11/08/2018

Preparer Name: A. Frontella

Additional Information About This Product: No data available.

This Product:

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