

Safety Data Sheet

Complies with EC no. 1907/2006
Issue Date: 07/23/2015

Section 1: Chemical Product and Company Identification

Page 1 of 4

Cat#: BLI4605

Part Name: TRITON X-100 NONIONIC SURFACTANT

Supplier: Polysciences, Inc.
400 Valley Road
Warrington, PA 18976 USA
MSDS Telephone #215-343-6484 Emergency only #215-378-4526

Identified uses: Laboratory use, manufacture of substances

Section 2: Hazards Identification

Hazard Overview

Causes eye irritation.

Harmful if swallowed.

GHS Classification

Acute Toxicity Oral Category 4

Eye Irritation Category 2A

Signal word: **Warning**



Hazard and Precautionary Statements

H302	Harmful if swallowed.
H319	Causes serious eye irritation.
P285	In case of inadequate ventilation wear respiratory protection.
P301B	IF SWALLOWED, give 8 oz. of water or milk to drink. Never give anything by mouth to an unconscious person.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P305B	IF IN EYES, Separate eyelids with finger tips.
P340	Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P351	Rinse cautiously with water for several minutes.
P501	Dispose of contents/container to proper waste area in accordance with institutional practices and local, state or federal regulations.

NFPA Rating

Hazard Ratings:

These ratings are Polysciences' Inc. own assessments of the properties of the material using the ANSI/NFPA 704 Standard. Additional information can be found by consulting in the NFPA published ratings lists (List 325 and List 49).

If no data is listed the information is not available.

Health	Flammability	Reactivity
1	0	0

Section 3: Composition/ Information on Ingredients

Note: Items listed with a CASRN... number have no CAS# available.

Item#	Name	EINECS	CAS#	% in product
1	1,4-Dioxane	204-661-8	0000123911	0 - 5
2	Ethylene oxide	200-849-9	0000075218	0 - 5
3	Octylphenoxy polyethoxyethanol	Unknown	0009002931	91 - 100
4	Poly(ethylene oxide)	Unknown	0025322683	0 - 5

Section 4: First Aid Measures

Flush eyes with flowing water for at least 15 minutes.

If swallowed, do not induce vomiting. Do not give anything to drink. Obtain medical attention without delay.

If swallowed, wash out mouth with water if person is conscious.

Remove to fresh air.

Separate eyelids with finger tips.

Wash skin with deluge of water for at least 15 minutes.

Section 5: Fire Fighting Measures

Flash point, deg F.: 485 Method: PMCC
 UEL: no data LEL: no data Autoignition temperature, deg. F.: no data
 Flammability Classification: no data Flame Propagation Rate: no data
 Hazardous Combustion Products: none

Section 6: Accidental Release Measures

Any information listed below is to be considered in addition to internal guidelines for isolation of spill, containment of spill, removal of ignition sources from immediate area, and collection for disposal of spill by trained, properly protected clean up personnel.

No special measures are indicated.

Section 7: Handling and Storage

Store at room temp

Section 8: Exposure Controls/ Personal Protection

OSHA (ACGIH) Exposure Limits

		TWA		STEL		CEILING	
		ppm	mg/	ppm	mg/m3	ppm	mg/m3
CAS#: 0000075218	IDLH: 800						
OSHA		Not classifi	--	--	--	--	--
ACGIH		1	1.8	--	--	--	--
CAS#: 0000123911	IDLH: 500						
OSHA		ACGIH;CA	360	--	--	--	--
ACGIH		20	72	--	--	--	--
CAS#: 0009002931	IDLH: NE						
OSHA		NE	NE	NE	NE	NE	NE
ACGIH		NE	NE	NE	NE	NE	NE
CAS#: 0025322683	IDLH: NE						
OSHA		NE	NE	NE	NE	NE	NE
ACGIH		NE	NE	NE	NE	NE	NE

The use of eye protection in the form of safety glasses with side shields and the use of skin protection for hands in the form of gloves are considered minimum and non-discretionary in work places and laboratories. Any recommended personal protection equipment or environmental equipment is to be considered as additional to safety glasses and gloves.

Use process enclosures, local exhaust ventilation, or other engineering controls.

Chemical-resistant gloves should be worn whenever this material is handled. The glove material has to be impermeable and resistant to the product. Gloves should be removed and replaced immediately if there is any indication of degradation or chemical breakthrough.

Rinse and remove gloves immediately after use. Wash hands with soap and water. All glove recommendations presume that the risk of exposure is through splash and not intentional immersion of the hands into the product.

Since glove permeation data does not exist for this material, no recommendation for the glove material can be given for the product.

Permiation data must be obtained from the glove manufacturer to determine if the glove is suitable for the task.

Section 9: Physical and Chemical Properties

Formula: C33H60O10.5 vapor pressure: <0.01 mmHg
 Formula Weight: ~624 vapor density: no data
 boiling point: >392 Specific gravity: 1.067
 melting point: 43 ph: no data
 solubility: completely appearance: transparent pale yellow

Section 10: Stability and Reactivity

Chemical Stability stable
 Conditions to Avoid: none
 Incompatibility with other materials: none
 Hazardous Decomposition Products: none
 Hazardous Polymerization: will not occur

Section 11: Toxicological Information

Acute Data: LD 50 oral Rat =707
 LD50 cutaneous rabbit =8.0 g/kg; 24 h occluded
 Subchronic data: possible fetal developmental effects

Section 12: Ecological Information

LC50 96 hr Fathead Minnow 8.9 mg/L

Section 13: Disposal Considerations

The following chart lists the status of the chemical and its components in reference to 40 CFR Part 261.33. If the product is listed by code number the substance may be subject to special federal and state disposal regulations. If no codes are listed the material must be disposed in compliance with all Federal, State and Local Regulations.

CAS#	Waste Code	Regulated Name
0000075218	U115	Oxirane
0000123911	U108	1,4-Dioxane
0009002931	not listed	not listed
0025322683	not listed	not listed

Section 14: Transportation Data

Proper Shipping Name NOT REGULATED

Chemical Name

UN

Class

PG

Section 15: Regulatory Information

Prop 65 - Column A identifies those items which are known to the State of California to cause cancer. Column B identified items which are known to the State of California to cause reproductive toxicity.

CAS#	Column A	Column B
0000075218	Yes	yes
0000123911	Yes	no
0009002931	no	no
0025322683	no	no

State Regulatory Information :If a CAS# is listed below this material is subject to the listed state right-to-know requirements.

CAS#	
0000075218	not listed
0000123911	not listed
0009002931	not listed
0025322683	not listed

SARA Toxic Release Chemicals(as defined in Section 313 of SARA Title III)

This list identifies the toxic chemicals, including their de minimis concentrations for which reporting is required under Section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA). The list is also referred to as the Toxics Release Inventory (TRI) List.

CAS#	Regulated name	de minimis conc. %	Rep. Thres.
0000075218	Ethylene oxide	0.1	not listed
0000123911	Dioxane	0.1	not listed
0009002931	not listed	not listed	not listed
0025322683	not listed	not listed	not listed

SARA Extremely Hazardous Substances and TPQs

This list includes hazardous chemicals as defined in 29 CFR 1910.1200(c); and extremely hazardous substances regulated under Section 302 of SARA Title III with their TPQs (in pounds), as listed in 40 CFR 355, Appendices A and B.

CAS#	Regulated name	TPQ (pounds)	EHS-RQ(pounds)
0000075218	Ethylene oxide	1,000	10
0000123911	not listed	not listed	not listed
0009002931	not listed	not listed	not listed
0025322683	not listed	not listed	not listed

CERCLA

The hazardous substances, and their reportable quantities (RQs) are listed in the federal regulations at 40 CFR Part 302, Table 302.4. Release of a CERCLA hazardous substance in an amount equal to or greater than its RQ, in any 24-hour period, must be reported to the National Response Center at (800) 424-8802.

CAS#	Regulated name	RQ (pounds)
0000075218	Not listed	Not listed
0000075218	Ethylene oxide	10
0000075218	Oxirane	10
0000123911	Not listed	Not listed

0000123911	1,4-Diethylenedioxiide	100
0000123911	1,4-Diethyleneoxide	100
0000123911	1,4-Dioxane	100
0009002931	Not listed	Not listed
0025322683	Not listed	Not listed

Section 16: Other Information

POLYSCIENCES, INC. provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. Individuals receiving this information must exercise their independent judgment in determining its appropriateness for a particular purpose. POLYSCIENCES, INC. makes no representations or warranties, either expressed or implied of merchantability, fitness for particular purposes with respect to the information set forth herein or to which the information refers. Accordingly, POLYSCIENCES, INC. will not be responsible for damages resulting from the use of or reliance upon this information.

END OF MSDS