

Iso Octylphenoxypolyethoxy ethanol

1. Product Identification

Synonyms: Triton X – 100 ; Polyoxyethylene (10) octyl phenyl ether

CAS No.: 9002-93-1

Molecular Weight: Not Applicable

Chemical Formula: Not Applicable

Product Code: 91170

2. Composition/Information on Ingredients

Ingredient	CAS No	Percent
Iso Octylphenoxypolyethoxyethanol	9002-93-1	100%

3. Hazards Identification

Potential Health Effects

Eye: Causes severe eye irritation.

Skin: Causes skin irritation. May be harmful if absorbed through the skin

Ingestion: Harmful if swallowed. May cause gastrointestinal irritation with nausea, vomiting and diarrhea

Inhalation: May cause respiratory tract irritation. May be harmful if inhaled

Chronic Exposure: No information found.

Aggravation of Pre-existing Conditions: No information found.

4. First Aid Measures

Inhalation: Remove to fresh air. Get medical attention for any breathing difficulty.

Ingestion: Give large amounts of water to drink. Never give anything by mouth to an unconscious person. Get medical attention.

Skin Contact: Immediately flush skin with plenty of water for at least 15 minutes. Call a physician if irritation develops.

Eye Contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes, lifting upper and lower eyelids occasionally. Call a physician if irritation persists.

5. Fire Fighting Measures

Fire: Not considered to be a fire hazard.

Explosion: Not considered to be an explosion hazard.

Fire Extinguishing Media: Use any means suitable for extinguishing surrounding fire.

Special Information: In the event of a fire, wear full protective clothing and NIOSH-approved Self contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode.



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6. Accidental Release Measures

Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8.

Spills: Pick up and place in a suitable container for reclamation or disposal, using a method that does not generate dust.

7. Handling and Storage

Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. Isolate from incompatible substances. Containers of this material may be hazardous when empty since they retain product residues (dust, solids); observe all warnings and precautions listed for the product.

8. Exposure Controls/Personal Protection

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

Exposure Limits

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
Iso Octylphenoxy polyethoxyethanol	none listed	none listed	none listed

OSHA Vacated PELs: No OSHA Vacated PELs are listed for this chemical.

Personal Protective Equipment

Eyes: 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.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: 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.

9. Physical and Chemical Properties

Physical state at 20°C	: Liquid.
Colour	: Pale yellow
Odour	: Odorless
Odour threshold	: No data available.
pH value	: No data available.
Melting point [°C]	: 6 °C
Decomposition point [°C]	: N/A
Auto-ignition temperature [°C]	: N/A
Flammability (solid, gas)	: N/A
Flash point [°C]	: 251 °C
Boiling point [°C]	: > 200 °C
Vapour pressure [20°C]	: < 1.33 hPa at 20 °C
Vapour pressure mm/Hg	: N/A
Vapour density	: N/A
Density [g/cm3]	: 1.06
Solubility in water [% weight]	: Soluble in water
Viscosity at 40°C [mm2/s]	: N/A



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10. Stability and Reactivity

Chemical Stability: Air sensitive. Moisture sensitive. Light sensitive.

Conditions to Avoid: High temperatures, incompatible materials, light, exposure to air, exposure to moist air or water.

Incompatibilities with Other Materials: Strong oxidizing agents, strong reducing agents, strong acids.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide.

Hazardous Polymerization: Will not occur.

11. Toxicological Information

LD50/LC50:

CAS# 9002-93-1: Oral, rat: LD50 = 1800 mg/kg;

Carcinogenicity:

CAS# 9002-93-1: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

Epidemiology: No information found.

Teratogenicity: No information found.

Reproductive Effects: No information found.

Mutagenicity: No information found.

Neurotoxicity: No information found.

12. Ecological Information

Toxicity information: Not established.

Persistence - degradability: Biodegradable.

Bioaccumulative potential: Not established.

Mobility in soil: Not established.

Environmental precautions: Avoid release to the environment.

13. Disposal Considerations

Dispose of container and unused contents in accordance with federal, state and local requirements.

14. Transport Information

Not Regulated

15. Regulatory Information

Safety, health and environmental: Ensure all national/local regulations are observed.

Regulations/legislation specific for the substance or mixture

Chemical Safety Assessment: It has not been carried out.

16. Other Information

Product Use:

Laboratory Reagent