


Effective date: <b>12/08/19</b>	Hy-Labs Cat. No: BP-752/500S	<b>MSDS FORMAT</b>	Replace Doc: NA
Doc. No: <b>MSDS-BP-752</b>		<b>MATERIAL SAFETY DATA SHEET</b>	

1- Product and Company Identification	
Product Name	TOLUIDINE BLUE + TRITON-X-100, 500ML
Reference number	BP-752/500S
Manufacturer	Hy-Laboratories Ltd. Park Tamar, Rehovot, 76326, Israel Tel: 972-8-9366475 Fax: 972-8-9366474
2- Composition, Information on Ingredients	
Ingredients Name	Cas #
Toluidine blue	92-31-9
Triton	9002-93-1
3- Hazard Specifications	
Classification	 Danger.  Acute toxicity, Oral (Category 4), H302. Skin irritation (Category 2), H315. Serious eye damage (Category 1), H318. Acute aquatic toxicity (Category 1), H400. Chronic aquatic toxicity (Category 1), H410.
Safety phrases	Harmful if swallowed. Causes skin irritation. Wash skin thoroughly after handling. Wear protective gloves. Causes serious eye damage. Wear eye protection/ face protection. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor. Very toxic to aquatic life with long lasting effects.
4- First Aid Measures	
General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.
Skin	Wash off with soap and plenty of water. Consult a physician.
Eyes	Flush eyes with water as a precaution.
Inhalation	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
Ingestion	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
5- Fire Fighting Measures	
Extinguishing Media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special hazards arising from the substance or mixture	Carbon oxides, Hydrogen chloride gas, Sulphur oxides, nitrous gases, nitrogen oxides.

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<b>Protective equipment</b>	Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.		
<b>6- Accidental Release Measures</b>			
<b>Person related safety precautions</b>	Use personal protective equipment. Remove contaminated clothing immediately. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Avoid breathing dust.		
<b>Measures for cleaning/collectiong</b>	Absorb spillage in inert material and shovel up. Place in sealable container. Seal containers and label them. Seek expert advice for removal and disposal of all contaminated materials and wastes.		
<b>7- Handling and Storage</b>			
<b>Handling</b>	Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.		
<b>Storage</b>	Store in 15 - 25°C.		
<b>8- Exposure Controls, Personal Protection</b>			
<b>General protective and hygiene measures</b>	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.		
<b>Personal Protective Equipment</b>	<u>Raspiratory</u> – Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). <u>Body</u> - Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. <u>Eyes</u> – Tightly fitting safety goggles. Face shield (8-inch minimum). Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). <u>Hands</u> – Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.		
<b>9- Physical and Chemical Properties</b>			
<b>Form</b>	Liquid.		
<b>Color</b>	Dark blue.		
<b>10- Stability and Reactivity</b>			
<b>Incompatible materials</b>	Strong acids, Strong bases, Strong oxidizing agents.		
<b>Hazardous decomposition product</b>	Hazardous decomposition products formed under fire conditions - Carbon oxides.		
<b>Conditions to avoid</b>	No data available.		
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## 11- Toxicological Information

Information on toxicological effects	No data available.
Additional toxicological information	RTECS: MD0907700 Ingestion of large amounts may cause: Nausea, Diarrhea.

## 12- Ecological Information

Toxicity	Very toxic to aquatic life with long lasting effects.
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## 13- Disposal Information

Disposal Information	Offer surplus and non-recyclable solutions to a licensed disposal company. Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. Leave chemicals in original containers. No mixing with other waste. Handle uncleaned containers like the product itself.
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## 14- Transport Information

Transport hazard class(es)	<u>UN number:</u> ADR/RID: 3082 IMDG: 3082 IATA: 3082 <u>UN proper shipping name:</u> ADR/RID: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (p-tertiary-Octylphenoxy polyethyl alcohol). IMDG: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (p-tertiary-Octylphenoxy polyethyl alcohol). IATA: Environmentally hazardous substance, liquid, n.o.s. (p-tertiary-Octylphenoxy polyethyl alcohol). <u>Transport hazard class(es):</u> ADR/RID: 9. IMDG: 9. IATA: 9. <u>Packaging group:</u> ADR/RID: III. IMDG: III. IATA: III. <u>Environmental hazards:</u> ADR/RID: yes. IMDG Marine pollutant: yes. IATA: yes.
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## 15- Regulatory Information

Safety Phrases	After the sunset date the use of this substance requires either an authorization or can only be used for exempted uses, e.g. use in scientific research and development which includes routine analytics or use as intermediate.
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## 16- Other Information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

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