

Effective date: 29-12-2013	Hy-Labs Cat. No: TT-244	MSDS FORMAT MATERIAL SAFETY DATA SHEET	Replace Doc: NA
Doc. No: MSDS-TT-244			

1- Product and Company Identification		
Product Name	Brain Heart Infusion Broth	
Reference number	TT-244	
Manufacturer	Hy-Laboratories Ltd. Park Tamar, Rehovot, 76326, Israel Tel: 972-8-9366475 Fax: 972-8-9366474	
2- Composition, Information on Ingredients		
<u>Ingredients Name</u>	<u>Cas #</u>	<u>Percent</u>
Basic Fuchsin	569-61-9	0.08
Sodium sulfite	7757-83-7	0.16
3- Hazard Specifications		
Toxic Possible cancer hazard Harmful if inhaled, , absorbed through skin (permeator) or swallowed. Carcinogenic effects Classified 2B (Possible for human) by IARC [Basic Fuchsin]. Chronic- Repeated exposure to a highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.		
4- First Aid Measures		
Skin	Immediately flush skin thoroughly with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes, Seek medical advice.	
Eyes	Remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at list 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Seek medical advice.	
Inhalation	Remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen. Seek medical advice immediately.	
Ingestion	Seek medical advice immediately. Do not induce vomiting unless directed to do so by medical personnel.	
5- Fire Fighting Measures		
Extinguishing Media	Carbon dioxide, dry chemical or appropriate foam.	
Special Risks	Emits toxic fumes under fire conditions.	
6- Accidental Release Measures		
General Information	Use proper personal protective equipment (see section 8)	
Spill	Use appropriate tools to put the spilled solid in a convenient waste disposal container. Do not get water inside container. Do not touch spilled material. Prevent entry into sewers.	

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7- Handling and Storage	
Handling	Avoid contact with eyes, skin and clothing. Do not breathe vapor. Avoid prolonged or repeated exposure. Wash thoroughly after handling. Keep container tightly closed.
Storage	Store at 15-25°C
8- Exposure Controls, Personal Protection	
Engineering controls	Eyewash facility and Safety shower. Use engineering controls to keep airborne levels low.
General hygiene measures	Keep away from foodstuff, beverage and feed. Wash contaminated clothing before reuse. Discard contaminated shoes. Wash thoroughly after handling. Avoid contact with eyes and skin.
Personal Protective Equipment	Respiratory- Chemical fume hood, or full-face supplied air respirator. Hands- Compatible chemical resistant gloves. Eyes- Chemical safety goggles. Clothing- Wear appropriate protective clothing (Lab coat) to prevent skin exposure special protective measures- Faceshield
9- Physical and Chemical Properties	
Physical state	Liquid
Color	Light Amber
10- Stability and Reactivity	
Stability	Stable under recommended storage conditions. Materials to avoid: Strong acid and Oxidizers.
Hazardous decomposition products	Carbon oxides, Nitrogen oxides, Sulfur oxides
11- Toxicological Information	
Acute toxicity	Basic Fuchsin LD50- Oral 500 mg/kg (mouse) Sodium Sulfite LD50- Oral 820 mg/kg (mouse)
Primary irritant effect	Skin- Hazardous in case of skin contact (permeator). Irritant to mucous membranes Eye- irritant effect. Inhalation Hazardous. Ingestion- Hazardous.
Chronic exposure	Target organs: liver, thyroid, eyes, kidneys and skin Carcinogenic effects- Classified 2B (Possible for human) by IARC [Basic Fuchsin]. The product contains sulfites. People with known or suspected allergies to sulfite should use appropriate safety precaution when handling.

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12- Ecological Information	
Ecological measures	Not available Ecotoxicological effects. Avoid to disperse the products in the environment.
Biodegradation	The products of degradation are as toxic as the product itself.
13- Disposal Information	
Disposal Information	Contact a licensed professional waste disposal service to dispose of this material. Dispose in accordance to all local and national regulations.
14- Transport Information	
Non hazardous for road, sea and air transport	
15- Regulatory Information	
Risk Phrases	T- Toxic. R 45- May cause cancer.
Safety Phrases	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing, gloves and eye/face protection. In case of accident or if you feel unwell, seek medical advice immediately.
16- Other Information	
For In-Vitro use only. The information in this MSDS is based on current and reliable sources but does not purport to be all inclusive and shall be used only as a guide.	