

Effective date: 20/11/25	Hy-Labs Cat. No: BP290 TT221	MSDS FORMAT	hylabs®
Doc. No: MSDS-BP290 TT221		MATERIAL SAFETY DATA SHEET	Replace Doc: NA

1- Product and Company Identification

Product Name	SABOURAUD DEXTROSE BROTH
Reference number	BP290 / TT221
Identified uses	Culturing yeasts and molds and aciduric microorganisms
Manufacturer	Hy-Laboratories Ltd. Park Tamar, Rehovot, 76326, Israel Tel: 972-8-9366475 Fax: 972-8-9366474

2- HAZARDS IDENTIFICATION

Hazard Classification Not classified

Label Elements

Hazard Symbol: No symbol

Signal Word: No signal word.

Hazard Statement: Not applicable

Precautionary Statements Not applicable

Other hazards which do not result in GHS classification: None.

3- COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures

Chemical Identity	Common name and synonyms	CAS number	Content in percent (%)*
1,2,3-Propanetricarboxylic acid, 2-hydroxy-	No data available.	77-92-9	1.6393%

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4- First Aid Measures

Description of first aid measures

General information: Get medical attention if symptoms occur.

Inhalation: Provide fresh air, warmth and rest, preferably in comfortable upright sitting position.

Skin Contact: Wash contact areas with soap and water. Remove contaminated clothing. Launder contaminated clothing before reuse.

Eye contact: Flush thoroughly with water. If irritation occurs, get medical assistance.

Ingestion: Get medical attention if symptoms occur.

Personal Protection for First-aid Responders: No data available.

Most important symptoms and effects, both acute and delayed Symptoms: No specific symptoms noted.

Hazards: No data available.

Indication of immediate medical attention and special treatment needed Treatment:

IF exposed or concerned: Get medical advice/attention.

5- Fire Fighting Measures


General Fire Hazards: Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Use water spray to keep fire exposed containers cool.


Suitable (and unsuitable) extinguishing media

Suitable extinguishing media: Water spray, fog, CO2, dry chemical, or alcohol resistant foam.

Unsuitable extinguishing media: None known.

Special hazards arising from the substance or mixture: None known.

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Special protective equipment and precautions for fire-fighters Special fire-fighting procedures: No unusual fire or explosion hazards noted. Special protective equipment for fire-fighters: Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.			
6- Accidental Release Measures			
Personal precautions, protective equipment and emergency procedures: No special precautionary health measures should be needed under anticipated conditions of use. Accidental release measures: No data available. Methods and material for containment and cleaning up: No specific clean-up procedure noted. Environmental Precautions: Avoid release to the environment.			
7- Handling and Storage			
Handling Technical measures: No data available. Local/Total ventilation: No data available. Safe handling advice: When using do not eat, drink or smoke. Read and follow manufacturer's recommendations. Use personal protective equipment as required. Contact avoidance measures: No data available. Storage Safe storage conditions: Store in a cool, dry place. Keep container tightly closed. Safe packaging materials: No data available.			
8- Exposure Controls, Personal Protection			
Control Parameters Occupational Exposure Limits None of the components have assigned exposure limits. Biological Limit Values No biological exposure limits noted for the ingredient(s). Appropriate Engineering Controls No special requirements under ordinary conditions of use and with adequate ventilation. Individual protection measures, such as personal protective equipment Eye/face protection: Wear safety glasses with side shields (or goggles). Skin Protection Hand Protection: Material: Chemical resistant gloves Skin and Body Protection: Wear a lab coat or similar protective clothing. Respiratory Protection: Respiratory protection not required. Hygiene measures: Observe good industrial hygiene practices.			
9- Physical and Chemical Properties			
Information on basic physical and chemical properties Appearance Physical state: Liquid Form: Liquid Color: According to product specification. Odor: Characteristic Odor Threshold: No data available. Melting Point: No data available.			
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Boiling Point: No data available.

Flammability: No data available.

Upper/lower limit on flammability or explosive limits

Explosive limit - upper: No data available.

Explosive limit - lower: No data available.

Flash Point: Not applicable

Self-Ignition Temperature: No data available.

Decomposition Temperature: No data available.

pH: No data available.

Viscosity

Dynamic viscosity: Not determined.

Kinematic viscosity: Not determined.

Flow Time: No data available.

Solubility(ies)

Solubility in Water: Completely Soluble

Solubility (other): No data available.

Partition coefficient (n-octanol/water): No data available.

Vapor pressure: No data available.

Relative density: No data available.

Density: No data available.

Bulk density: No data available.

Vapor density (air=1): No data available.

Other information

Metal Corrosion: Non-corrosive per US Department of Transportation testing protocol.

10- Stability and Reactivity

Reactivity: Material is stable under normal conditions.

Chemical Stability: Material is stable under normal conditions.

Possibility of hazardous reactions: Not known.

Conditions to avoid: Avoid exposure to high temperatures or direct sunlight.

Incompatible Materials: Strong oxidizers.

Hazardous Decomposition Products: Not known.

11- Toxicological Information

General information: No information about adverse effects due to exposure.

Information on toxicological effects

Inhalation: Under normal conditions of intended use, this material is not expected to be an inhalation hazard.

Skin Contact: Negligible irritation to skin at ambient temperatures.

Eye contact: Do not get in eyes.

Ingestion: In the event of inhalation (ingestion), seek medical attention immediately

Information on likely routes of exposure

Acute toxicity (list all possible routes of exposure)

Oral

Product: Not classified for acute toxicity based on available data.

Components:

1,2,3- Propanetricarboxylic acid, 2-hydroxy-

LD 50 (Rat): 6,730 mg/kg

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Dermal

Product: Not classified for acute toxicity based on available data.

Components:

1,2,3- Propanetricarboxylic acid, 2-hydroxy- No data available.

Inhalation

Product: Not classified for acute toxicity based on available data.

Components:

1,2,3-Propanetricarboxylic acid, 2-hydroxy- No data available.

Repeated dose toxicity

Product: No data available.

Components:

1,2,3-Propanetricarboxylic acid, 2-hydroxy-

NOAEL (Rat, Other route of exposure (excluding dermal, oral and inhalation)): 250 mg/kg Other route of exposure (excluding dermal, oral and inhalation) Experimental result, Supporting study

Skin Corrosion/Irritation

Product: No data available.

Components:

1,2,3-Propanetricarboxylic acid, 2-hydroxy- No data available.

Serious Eye Damage/Eye Irritation

Product: No data available.

Components:

1,2,3-Propanetricarboxylic acid, 2-hydroxy- No data available.

Respiratory or Skin Sensitization

Product: No data available.

Components:

1,2,3-Propanetricarboxylic acid, 2-hydroxy- No data available.

Carcinogenicity

Product: No data available.

Components:

1,2,3-Propanetricarboxylic acid, 2-hydroxy- No data available.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

No carcinogens present or none present in regulated quantities

ACGIH: US.ACGIH Threshold Limit Values:

No carcinogens present or none present in regulated quantities

US. National Toxicology Program (NTP) Report on Carcinogens:

No carcinogens present or none present in regulated quantities

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050), as amended:

No carcinogens present or none present in regulated quantities


Germ Cell Mutagenicity

In vitro

Product: No data available.

Components:

1,2,3-Propanetricarboxylic acid, 2-hydroxy- No data available.

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In vivo

Product: No data available.

Components:

1,2,3-Propanetricarboxylic acid, 2-hydroxy- No data available.

Reproductive toxicity

Product: No data available.

Components:

1,2,3-Propanetricarboxylic acid, 2-hydroxy- No data available.

Specific Target Organ Toxicity - Single Exposure

Product: No data available.

Components:

1,2,3-Propanetricarboxylic acid, 2-hydroxy- No data available.

Specific Target Organ Toxicity - Repeated Exposure

Product: No data available.

Components:

1,2,3-Propanetricarboxylic acid, 2-hydroxy- No data available.

Aspiration Hazard

Product: No data available.

Components:

1,2,3-Propanetricarboxylic acid, 2-hydroxy- No data available.

Information on health hazards

Other hazards

Product: No data available.

12- Ecological Information

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish

Product: No data available.

Components:

1,2,3-Propanetricarboxylic acid, 2-hydroxy- No data available.

Aquatic Invertebrates

Product: No data available.

Components:

1,2,3-Propanetricarboxylic acid, 2-hydroxy- No data available.

Toxicity to Aquatic Plants

Product: No data available.

Components:

1,2,3-Propanetricarboxylic acid, 2-hydroxy- No data available.

Toxicity to microorganisms

Product: No data available.

Components:


1,2,3-Propanetricarboxylic acid, 2-hydroxy- No data available.

Chronic hazards to the aquatic environment:

Fish

Product: No data available.

Components:

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1,2,3-Propanetricarboxylic acid, 2-hydroxy- No data available

Aquatic Invertebrates

Product: No data available.

Components:

1,2,3-Propanetricarboxylic acid, 2-hydroxy- No data available.

Toxicity to Aquatic Plants

Product: No data available.

Components:

1,2,3- Propanetricarboxylic acid, 2-hydroxy- No data available.

Toxicity to microorganisms

Product: No data available.

Components:

1,2,3-Propanetricarboxylic acid, 2-hydroxy- No data available.

Persistence and Degradability

Biodegradation

Product: No data available.

Components:

1,2,3-Propanetricarboxylic acid, 2-hydroxy-

97 % Experimental result, Weight of Evidence study Detected in water.

85 % (14 d) Experimental result, Weight of Evidence study Detected in water.

100 % (19 d) Experimental result, Weight of Evidence study Detected in water.

93 % Experimental result, Supporting study Sediment

BOD/COD Ratio

Product: No data available.

Components:

1,2,3-Propanetricarboxylic acid, 2-hydroxy- No data available.

Bioaccumulative potential

Bioconcentration Factor (BCF)

Product: No data available.

Components:

1,2,3-Propanetricarboxylic acid, 2-hydroxy-

Bioconcentration Factor (BCF): 3.2 Estimated by calculation, Supporting study Aquatic sediment

Partition Coefficient n-octanol / water (log Kow)

Product: No data available.

Components:

1,2,3-Propanetricarboxylic acid, 2-hydroxy- No data available.

Mobility in soil:

Product No data available.

Components:

1,2,3-Propanetricarboxylic acid, 2-hydroxy- No data available.

Results of PBT and vPvB assessment:

Product No data available.


Components:

1,2,3-Propanetricarboxylic acid, 2-hydroxy- No data available.

Other adverse effects:

Other hazards

Product: No data available.

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13- Disposal Information

General information:	Dispose of waste and residues in accordance with local authority requirements.
Disposal methods:	No specific disposal method required.
Contaminated Packaging:	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

14- Transport Information

DOTUN number or ID number:	Not regulated.
UN Proper Shipping Name:	Not regulated.
Transport Hazard Class(es)	
Class:	Not regulated.
Label(s):	Not regulated.
Packing Group:	Not regulated.
Marine Pollutant:	Not regulated.
Limited quantity	Not regulated.
Excepted quantity	Not regulated.
Special precautions for user:	Not regulated.

IMDG

UN number or ID number:	Not regulated.
UN Proper Shipping Name:	Not regulated.
Transport Hazard Class(es)	
Class:	Not regulated.
Subsidiary risk:	Not regulated.
EmS No.:	Not regulated.
Packing Group:	Not regulated.
Environmental Hazards	
Marine Pollutant:	Not regulated.
Special precautions for user:	Not regulated.

IATA

UN number or ID number:	Not regulated.
Proper Shipping Name:	Not regulated.
Transport Hazard Class(es):	
Class:	Not regulated.
Subsidiary risk:	Not regulated.
Packing Group:	Not regulated.
Environmental Hazards	
Marine pollutant:	Not regulated.
Special precautions for user:	Not regulated.

15- Regulatory Information

Safety Phrases: For this product a chemical safety assessment was not carried out.

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.

The information in this document is based on the present state of our knowledge and is applicable to the product with regard to

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appropriate safety precautions. It does not represent any guarantee of the properties of the product.
This information cannot be considered a guarantee of the properties of the product; it is simply a description of the security requirements.
The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products.