

Effective date: 25/11/25	Hy-Labs Cat. No: TT257	MSDS FORMAT	hylabs®
Doc. No: MSDS-TT257		MATERIAL SAFETY DATA SHEET	Replace Doc: NA

1- Product and Company Identification

Product Name	BRILLIANT GREEN BILE BROTH 2%
Reference number	TT257
Identified uses	Confirming of coliforms in water
Manufacturer	Hy-Laboratories Ltd. Park Tamar, Rehovot, 76326, Israel Tel: 972-8-9366475 Fax: 972-8-9366474

2- HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

GHS US classification

Skin corrosion/irritation, Category 2	H315	Causes skin irritation.
Serious eye damage/eye irritation, Category 2	H319	Causes serious eye irritation.
Specific target organ toxicity – Single exposure, Category 3, H335		May cause respiratory irritation.

Respiratory tract irritation

Combustible dust

May form combustible dust concentrations in air [if small particles are generated during further processing, handling or by other means.].

Full text of H statements: see section 16

2.2. Label elements

GHS US labeling

Hazard pictograms (GHS US):



Signal word (GHS US):

Warning

Hazard statements (GHS US):

CODU - May form combustible dust concentrations in air [if small particles are generated during further processing, handling or by other means.]

H315 - Causes skin irritation

H319 - Causes serious eye irritation

H335 - May cause respiratory irritation

Precautionary statements (GHS US): P261 - Avoid breathing dust, fume, gas, mist, vapors, spray.

P264 - Wash hands, forearms and face thoroughly after handling.

P271 - Use only outdoors or in a well-ventilated area.

P280 - Wear protective gloves.

P302+P352 - If on skin: Wash with plenty of water.


P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P312 - Call a poison center or doctor if you feel unwell.

P321 - Specific treatment (see supplemental first aid instruction on this label).

P332+P313 - If skin irritation occurs: Get medical advice or attention.

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P337+P313 - If eye irritation persists: Get medical advice or attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
P405 - Store locked up.
P501 - Dispose of contents and/or container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulations.

2.3. Hazards associated with known or reasonably anticipated uses

No additional information available

2.4. Hazards not otherwise classified

No additional information available

2.5. Unknown acute toxicity

24.87% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)

24.87% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)

24.87% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist))

3- COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	GHS US classification
Oxbile (Oxgall)	CAS-No.: 8008-63-7	15 – 25	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335

Full text of hazard classes and H-statements : see section 16

4- First Aid Measures

4.1. Description of necessary first-aid measures

First-aid measures general:

Call a poison center/doctor/physician if you feel unwell.

First-aid measures after inhalation:

Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor/physician if you feel unwell.

First-aid measures after skin contact:

Wash skin with plenty of water. Take off contaminated clothing. If skin irritation occurs: Get medical advice/attention.

First-aid measures after eye contact:

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion:

Call a poison center/doctor/physician if you feel unwell.

Personal protection for first-aid responders.:

First aid workers will be equipped with suitable personal protective equipment.


4.2. Most important symptoms/effects, acute and delayed

Symptoms/effects after inhalation: May cause respiratory irritation.

Symptoms/effects after skin contact: Irritation.

Symptoms/effects after eye contact: Eye irritation.

Symptoms/effects after ingestion: None under normal conditions.

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4.3. Indication of immediate medical attention and special treatment needed, if necessary

Other medical advice or treatment:

Treat symptomatically.

5- Fire Fighting Measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media: Water spray. Dry powder. Foam.

Unsuitable extinguishing media: Do not use a heavy water stream.

5.2. Specific hazards arising from the chemical

Fire hazard: May form combustible dust concentrations in air.

Explosion hazard: No direct explosion hazard.

Hazardous decomposition products in case of fire: Toxic fumes may be released.

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions:

Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection.

Protection during firefighting:

Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

6- Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures:

Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material damage.

For non-emergency personnel

Protective equipment: Wear recommended personal protective equipment.

Emergency procedures: Ventilate spillage area. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid contact with skin and eyes.

For emergency responders

Protective equipment: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

Emergency procedures: Evacuate unnecessary personnel.

Environmental precautions: Avoid release to the environment.

6.2. Methods and materials for containment and cleaning up

For containment: Using a clean shovel, put the material in a dry container and cover without compressing it.

Methods for cleaning up: Mechanically recover the product.

Other information: Dispose of materials or solid residues at an authorized site.

For further information refer to section 13.

7- Handling and Storage

7.1. Precautions for safe handling

Precautions for safe handling: Use only outdoors or in a well-ventilated area. Avoid breathing dust/fume/gas/mist/vapors/spray.

Avoid contact with skin and eyes. Wear personal protective equipment. Avoid dust formation.

Hygiene measures: Wash contaminated clothing before reuse. Do not eat, drink or smoke when

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using this product.
Always wash hands after handling the product.

7.2. Conditions for safe storage, including incompatibilities

Technical measures: Keep in a cool, well-ventilated place away from heat.

Storage conditions: Protect from sunlight. Store locked up. Store in a well-ventilated place. Keep container tightly closed.

Storage temperature: 2 – 8 °C

Packaging materials: Store always product in container of same material as original container.

8- Exposure Controls, Personal Protection

8.1. Control parameters

No additional information available

8.2. Appropriate engineering controls

Appropriate engineering controls: Ensure good ventilation of the work station.

Environmental exposure controls: Avoid release to the environment.

8.3. Individual protection measures, such as personal protective equipment

Personal protective equipment:

Wear recommended personal protective equipment.

Hand protection:

Protective gloves

Eye protection:

Safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

Personal protective equipment symbol(s):



9- Physical and Chemical Properties

9.1. Basic physical and chemical properties

Physical state: Liquid

Appearance: Liquid

Color: Light green

Odor: Characteristic mild

Odor threshold: No data available

pH: 7 – 7.4

Melting point: No data available


Freezing point: Not applicable

Boiling point: No data available

Flash point: Not applicable

Flammability (solid, gas): Nonflammable.

Vapor pressure: No data available

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Relative vapor density at 20°C: No data available
 Relative density: No data available
 Solubility: Soluble in water.
 Partition coefficient n-octanol/water (Log Pow): No data available
 Auto-ignition temperature: Not applicable
 Decomposition temperature: No data available
 Viscosity, kinematic: Not applicable
 Explosion limits: Not applicable
 Particle characteristics: No data available

9.2. Data relevant with regard to physical hazard classes (supplemental)

No additional information available

10- Stability and Reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Avoid dust formation. Heat. No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11- Toxicological Information

11.1. Information on toxicological effects

Acute toxicity (oral): Not classified

Acute toxicity (dermal): Not classified

Acute toxicity (inhalation): Not classified

Brilliant Green Lactose Bile Broth	
Unknown acute toxicity (GHS US)	24.87% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral) 24.87% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal) 24.87% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist))

Skin corrosion/irritation: Causes skin irritation.

pH: 7 – 7.4

Serious eye damage/irritation: Causes serious eye irritation.

pH: 7 – 7.4


Respiratory or skin sensitization: Not classified

Germ cell mutagenicity: Not classified

Carcinogenicity: Not classified

Reproductive toxicity: Not classified

STOT-single exposure: May cause respiratory irritation.

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Oxbile (Oxgall) (8008-63-7)

STOT-single exposure	May cause respiratory irritation.
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STOT-repeated exposure: Not classified
Aspiration hazard: Not classified

Brilliant Green Lactose Bile Broth

Viscosity, kinematic	Not applicable
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Symptoms/effects after inhalation: May cause respiratory irritation.
Symptoms/effects after skin contact: Irritation.
Symptoms/effects after eye contact: Eye irritation.
Symptoms/effects after ingestion: None under normal conditions.

12- Ecological Information

12.1. Ecotoxicity

Ecology - general:

The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

Hazardous to the aquatic environment, short-term (acute):

Not classified.

Hazardous to the aquatic environment, long-term (chronic):

Not classified.

12.2. Persistence and degradability

Brilliant Green Lactose Bile Broth

Persistence and degradability	Not rapidly degradable
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Oxbile (Oxgall) (8008-63-7)

Persistence and degradability	Not rapidly degradable
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12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Ozone: Not classified

Fluorinated greenhouse gases: No

13- Disposal Information

Regional waste regulation:

Disposal must be done according to official regulations.

Waste treatment methods:


Dispose of contents/container in accordance with licensed collector's sorting instructions.

Sewage disposal recommendations:

Disposal must be done according to official regulations.

Product/Packaging disposal recommendations:

Comply with applicable regulations for solid waste disposal. Disposal must be done according to official regulations.

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Additional information:
Do not re-use empty containers.

14- Transport Information

In accordance with DOT / TDG / IMDG / IATA

DOT	TDG	IMDG	IATA
14.1. UN number			
Not regulated for transport			
14.2. Proper Shipping Name			
Not regulated	Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)			
Not regulated	Not regulated	Not regulated	Not regulated
14.4. Packing group			
Not regulated	Not regulated	Not regulated	Not regulated
14.5. Environmental hazards			
Not regulated	Not regulated	Not regulated	Not regulated
No supplementary information available			

14.6. Transport in bulk

Not applicable

14.7. Special precautions for user

DOT

Not regulated

TDG

Not regulated

IMDG

Not regulated

IATA

Not regulated

15- Regulatory Information

Risk Phrases	36/37/38	Irritating to eyes, respiratory system and skin.
Safety Phrases	24/25	Avoid contact with skin and eyes.
	22	Do not breathe dust.
	37/39	Wear suitable gloves and eye/face protection.
	51	Use only in well-ventilated areas.
	7	Keep container tightly closed.

16- Other Information

Full text of hazard classes and H-statements

H315 Causes skin irritation

H319 Causes serious eye irritation

H335 May cause respiratory irritation

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

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to 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.
All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.