

## Microbank™

## 1. Identification of the substance/preparation and of the company/undertaking

### Identification of the substance or preparation

<b>Product name</b>	: Microbank™	<b>Code</b>
<b>Trade name</b>	: Microbank™: Microbank™ - Broth Only; Microbank™;	PL160 PL163 PL170

**Use of the substance/preparation** : Sterile vials, containing a cryopreservative & porous beads, which serve as carriers to support microorganisms.

### Company/undertaking identification

**Supplier/Manufacturer** : Pro-Lab Diagnostics, 20 Mural Street, Unit 4, Richmond Hill, ON, Canada L4B 1K3  
Tel: +1-905-731-0300 Fax: +1-905-731-0206 www.pro-lab.com

**Emergency telephone number** : +44 (0)151 353 1613 -Monday to Friday 9:00 am to 5:00 pm.  
+44 (0)7714 429 646 -Outside the above hours.

## 2. Composition/information on ingredients

**Substance/preparation** : Preparation

Ingredient name	CAS number	%	EC Number	Classification
Sucrose	57-50-1	15 - 30	200-334-9	Not classified.
See section 16 for the full text of the R Phrases declared above				

\* Occupational Exposure Limit(s), if available, are listed in Section 8

## 3. Hazards identification

The preparation is not classified as dangerous according to Directive 1999/45/EC and its amendments.

**Classification** : Not classified.

See section 11 for more detailed information on health effects and symptoms.

## 4. First aid measures

### First aid measures

- Inhalation** : If inhaled, remove to fresh air. If not breathing, give artificial respiration. Get medical attention if symptoms appear.
- Ingestion** : Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if symptoms appear.
- Skin Contact** : Wash with soap and water. Get medical attention if irritation occurs.
- Eye contact** : Check for and remove any contact lenses. In case of contact, immediately flush skin copiously with water for at least 20 minutes while removing contaminated clothing and shoes. Get medical attention if irritation occurs.

See section 11 for more detailed information on health effects and symptoms.

## 5. Fire-fighting measures

- Extinguishing media** : Use an extinguishing agent suitable for surrounding fires.
- Special exposure hazards** : No specific hazard.
- Hazardous thermal decomposition products** : These products are carbon oxides (CO, CO<sub>2</sub>).
- Special protective equipment for fire-fighters** : Fire fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## 6. Accidental release measures

- Personal Precautions** : Immediately contact emergency personnel. Keep unnecessary personnel away. Use suitable protective equipment (Section 8).
- Environmental precautions and clean-up methods** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
- If emergency personnel are unavailable, contain spilled material. For small spills add absorbent (soil may be used in the absence of other suitable materials) scoop up material and place in a sealed, liquid-proof container for disposal. For large spills dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. Place spilled material in an appropriate container for disposal.

**Note:** see section 8 for personal protective equipment and section 13 for waste disposal.

## 7. Handling and storage

- Handling** : Wash thoroughly after handling.
- Storage** : Keep container tightly closed. Store at room temperature.
- Packaging materials**
- Recommended** : Use original container.
- Specific uses** : Not available.

## 8. Exposure controls/personal protection

### Ingredient name

Sucrose

### Occupational exposure limits

**EH40-OES (United Kingdom (UK), 5/2003).**

STEL: 20 mg/m<sup>3</sup> 15 minute(s). Form: All forms.

TWA: 10 mg/m<sup>3</sup> 8 hour(s). Form: All forms.

### Exposure controls

- Occupational exposure controls** : Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapours below their respective occupational exposure limits. Ensure that eyewash stations and safety showers are close to the workstation location.
- Hand protection** : Chemical-resistant, impervious gloves or gauntlets complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.  
>8 hour(s) (breakthrough time): Disposable vinyl gloves.
- Eye protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts.  
Recommended: Safety glasses.
- Skin protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.  
Body: Recommended: Lab coat.



## 9. Physical and chemical properties

### General information

#### Appearance

Physical state : Liquid.

### Important health, safety and environmental information

pH : Neutral.

Boiling point : The lowest known value is 100°C (212°F) (Water). Weighted average: 124.92°C (256.9°F)

Melting point : May start to solidify at 19.85°C (67.7°F) based on data for: Glycerol. Weighted average: 2.6°C (36.7°F)

Flash point : The lowest known value is Closed cup: 159.85°C (319.7°F). (Tagliabue.). Open cup: 176°C (348.8°F). (Cleveland.). (Glycerol)

Vapor pressure : The highest known value is 2.3 kPa (17.5 mm Hg) (at 20°C) (Water).

Relative density : Weighted average: 1.13

Solubility : Easily soluble in cold water, hot water, methanol, acetone.

Vapor density : The highest known value is 3.1 (Air = 1) (Glycerol). Weighted average: 0.95 (Air = 1)

Evaporation rate : >1 (Glycerol) compared to Ether (anhydrous).

### Other information

Auto-ignition temperature : The lowest known value is 369.85°C (697.7°F) (Glycerol).

## 10. Stability and reactivity

Stability : The product is stable.

Materials to avoid : Reactive with oxidising agents.  
Slightly reactive to reactive with acids.

Hazardous Decomposition Products : These products are carbon oxides (CO, CO<sub>2</sub>).

## 11. Toxicological information

### Potential acute health effects

Inhalation : No known significant effects or critical hazards.

Ingestion : No known significant effects or critical hazards.

Skin Contact : No known significant effects or critical hazards.

Eye contact : No known significant effects or critical hazards.

### Acute toxicity

<u>Ingredient name</u>	<u>Test</u>	<u>Result</u>	<u>Route</u>	<u>Species</u>
Sucrose	LD50	29700 mg/kg	Oral	Rat
Glycerol	LD50	12600 mg/kg	Oral	Rat

Carcinogenicity : No known significant effects or critical hazards.

Mutagenicity : No known significant effects or critical hazards.

Reproductive toxicity : No known significant effects or critical hazards.

### Over-exposure signs/symptoms

Inhalation : No known significant effects or critical hazards.

Ingestion : No known significant effects or critical hazards.

Skin : No known significant effects or critical hazards.

Other adverse effects : Not available.

## 12. Ecological information

### Ecotoxicity data

<u>Ingredient name</u>	<u>Species</u>	<u>Period</u>	<u>Result</u>
Glycerol	Oncorhynchus mykiss (LC50)	96 hour(s)	54000 mg/l

Mobility : Not available.

Other adverse effects : No known significant effects or critical hazards.

## 13. Disposal considerations

- Methods of disposal** : The generation of waste should be avoided or minimised wherever possible. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.
- Waste classification** : Not applicable.
- European waste catalogue (EWC)** : Not available.
- Hazardous waste** : To present knowledge of the supplier, this product is not regarded as hazardous waste as defined by EU Directive 91/689/EC.

## 14. Transport information

### International transport regulations

**Classification: ADR/ADN/IMDG/IATA** : Not regulated.

**Label:** Not applicable.

### Additional Information

## 15. Regulatory information

### EU Regulations

- Risk phrases** : This product is not classified according to the EU regulations.
- Product use** : Classification and labelling have been performed according to EU directives 67/548/EEC, 1999/45/EC, including amendments and the intended use.  
- Industrial applications.
- Additional warning phrases** : Safety data sheet available for professional user on request.
- EC Statistical classification (Tariff Code)** : 32089091

### National regulations

## 16. Other information

- Full text of R phrases referred to in sections 2 and 3 - United Kingdom (UK)** : Not applicable.
- Full text of classifications referred to in sections 2 and 3 - United Kingdom (UK)** : Not applicable.
- Training advice** : Not available.
- Recommended use and restrictions** : Not available.
- Further information** : Not available.
- Key data sources** : Not available.
- Revision comments** : Not available.

### History

- Date of issue** : 04/15/2005
- Version** : 1

### Notice to reader

*To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.*

*Final determination of suitability of any material is the sole responsibility of the user. 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.*