



## MATERIAL SAFETY DATA SHEET

### 1. Identification of the substance(s)

**Product Name:** Malonate/Phenylalanine Broth, 4ml in Glass Bijou      **Product Code:** M01B004  
**Alternative Name:** Not applicable      **Revision:** 1      **Date:** 05.09.2012  
**Supplier:** **Technical Service Consultants Ltd**      Microbiology House, Fir St, Heywood,  
Lancashire OL10 1NW, UK

### 2. Constitutions

Green Liquid in Glass Bijou. Contains biological extracts & chemicals.

### 3. Hazard identification

This product does not contain any hazardous extracts & chemicals in any significant quantities.

**Classification of preparation:** Not applicable.

**Symbol:** Not applicable

**Risk Phrases:** Not applicable.

**Safety Phrases:** S26, S36/37, S45.

**CAS number:** Not applicable, product is a mixture.

**EC-No.:** Not applicable, product is a mixture.

**Chemical characterisation:** Biological extracts.

**Percentage contained in product:** Not applicable.

### 4. First aid measures

**Eye contact:** In case of contact with eyes, immediately irrigate thoroughly with sterile water or isotonic saline for at least 10 minutes. If pain or irritation occurs, seek medical attention.

**Inhalation:** Inhalation of any components of this product is unlikely.

**Skin contact:** Wash off skin thoroughly with water. Remove contaminated clothing and wash before re-use. In severe cases, obtain medical attention.

**Ingestion:** Wash out mouth thoroughly with water and give plenty of water to drink. Do not induce vomiting. If irritation or discomfort occurs, obtain medical attention.

### 5. Fire-fighting measures

**Special risks:** Combustible. May evolve toxic fumes in fire.

**Extinguishing media:** Dry chemical powder, or appropriate foam. Water maybe effective for cooling, but not extinguishment.





## 6. Accidental release measures

Wear appropriate protective clothing (see section 8). Inform others to keep at a safe distance. Do not inhale vapours and ventilate the area thoroughly. Collect the spillage and store in a suitable sealed container for disposal. Wash site of spillage thoroughly, with water and detergent.

## 7. Handling and storage

**Handling:** Wear appropriate protective clothing. Avoid contact with skin and eyes. Normal laboratory safety procedures should be observed. Handle with care.

**Storage:** Store at 4-25°C in a dry and ventilated area away from heat and ignition sources. Protect from light and moisture in tightly closed original containers.

## 8. Exposure controls/personal protection

**Respiratory protection:** None needed under normal conditions of use

**Eye protection** : Safety glasses are recommended to prevent eye contact.

**Skin protection** : Avoid skin contact. Use chemically resistant gloves as needed.

## 9. Physical and chemical properties

<b>Appearance:</b>	Clear Liquid.	<b>Vapour pressure:</b>	Not applicable
<b>Colour:</b>	Green	<b>Water Solubility:</b>	Soluble with heat
<b>Odour:</b>	Not Applicable	<b>Explosive Properties:</b>	Not applicable
<b>pH:</b>	6.6±0.2	<b>Oxidising Properties:</b>	Not applicable
<b>Melting temperature:</b>	Not applicable	<b>Flash point:</b>	Not applicable
<b>Boiling temperature:</b>	Not applicable	<b>Relative Density:</b>	No data
<b>Density(g/ml):</b>	Not applicable		

## 10. Stability and reactivity

**Reactivity:** The material is supplied in a stable condition.

**Decomposition:** Carbon monoxide and unidentified organic compounds may be formed during combustion.

## 11. Toxicological information

Based on the ingredients in this composition and their concentrations, this product is according to the conventional method of EEC directive 88/379/EEC classified as:

Non-hazardous, but avoid contact with eyes and skin.

Do not induce vomiting. Handle product with care.

## 12. Ecological information

No data available

### 13. Disposal considerations

Chemical residues are generally classified as special waste, and as such are covered by national regulations that vary according to locality. For advice on disposal, contact your local waste disposal authority, or pass to a chemical disposal company.

### 14. Transport information

	Class	Packaging group	Substance Risk	UN no.
Road: (GGVS, GGVE, ADR, RID):	N/A	Non-hazardous	N/A	N/A
Air: (IATA, ICAO):	N/A	Non-hazardous	N/A	N/A
Sea: (IMDG, GGVS):	N/A	Non-hazardous	N/A	N/A

### 15. Regulatory information

Classification packaging/labelling (Directive 88/379/EEC):-

Hazard Symbol	: Not applicable.
Risk phrases	: Not applicable.
Safety phrases	: S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
	: S36/37- Wear suitable protective clothing, gloves.
	: S45- In case of accident, or you feel unwell, seek medical advice immediately (show the label where possible).

### 16. Other information

Revision.	Supersedes First Revision 05.03.2011
Changes in Section :	TSC logo and address
Date of issue:	05.09.2012

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 given in the data sheet does not constitute the user's own assessment of risk as required by Health & Safety legislation currently in force. All chemicals should be handled only by competent personnel within a suitably controlled environment. Technical Service Consultants Limited shall not be held liable for any damage from handling or from contact with the product(s).