

# Safety Data Sheet

According to EC Directive 91/155/EEC

Date of issue: 16.08.2004  
Supersedes edition of 15.01.2003

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

### *Identification of the product*

Catalogue No.: 105459  
Product name: Tryptic Soy Broth Casein-peptone soymeal-peptone broth for microbiology USP

### *Use of the substance/preparation*

Biochemical research/analysis  
Pharmaceutical production and analysis

### *Company/undertaking identification*

Company: Merck KGaA \* 64271 Darmstadt \* Germany \* Phone: +49 6151 72-0  
Emergency telephone No.: Please contact the regional Merck representation in your country.

## 2. Composition/information on ingredients

Preparation for culture media.

### *Synonyms*

Casein-peptone soymeal-peptone broth, Casein-peptone soyameal-peptone broth

## 3. Hazards identification

No hazardous product as specified in Directive 67/548/EEC.

## 4. First aid measures

After inhalation: fresh air.  
After skin contact: wash off with plenty of water. Remove contaminated clothing.  
After eye contact: rinse out with plenty of water with the eyelid held wide open.  
After swallowing (large amounts): consult doctor if feeling unwell.

## 5. Fire-fighting measures

Suitable extinguishing media:  
In adaption to materials stored in the immediate neighbourhood.

Special risks:  
Preparation with combustible ingredients. Ambient fire may liberate hazardous vapours.

Special protective equipment for fire fighting:  
Do not stay in dangerous zone without self-contained breathing apparatus.

Other information:  
Prevent fire-fighting water from entering surface water or groundwater.

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## 6. Accidental release measures

Person-related precautionary measures:  
Avoid generation of dusts; do not inhale dusts.

Environmental-protection measures:  
Do not allow to enter sewerage system.

Procedures for cleaning / absorption:  
Take up dry. Forward for disposal. Clean up affected area.

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## 7. Handling and storage

*Handling:*

Protect from light.  
No further requirements.

*Storage:*

Tightly closed. Dry. At +15°C to +25°C.

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## 8. Exposure controls/personal protection

*Personal protective equipment:*

Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.

Respiratory protection: required when dusts are generated.

Eye protection: required

Hand protection: In full contact:  
Glove material: nitrile rubber  
Layer thickness: 0.11 mm  
Breakthrough time: > 480 Min.  
  
In splash contact:  
Glove material: nitrile rubber  
Layer thickness: 0.11 mm  
Breakthrough time: > 480 Min.

The protective gloves to be used must comply with the specifications of EC directive 89/686/EEC and the resultant standard EN374, for example KCL 740 Dermatril® (full contact), 740 Dermatril® (splash contact). The breakthrough times stated above were determined by KCL in laboratory tests acc. to EN374 with samples of the recommended glove types.

This recommendation applies only to the product stated in the safety data sheet and supplied by us as well as to the purpose specified by us. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN374 please contact the supplier of CE-approved gloves (e.g. KCL GmbH, D-36124 Eichenzell, Internet: [www.kcl.de](http://www.kcl.de)).

Industrial hygiene:  
Change contaminated clothing. Wash hands after working with substance.

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## 9. Physical and chemical properties

Form:	solid	
Colour:	beige	
Odour:	peptone-like	
pH value		not available
Melting point		not available
Boiling point		not available
Ignition temperature		not available
Flash point		not available
Explosion limits	lower	not available
	upper	not available
Density		not available
Bulk density		~ 570 kg/m <sup>3</sup>
Solubility in water	(20 °C)	30 g/l

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## 10. Stability and reactivity

### *Conditions to be avoided*

no information available

### *Substances to be avoided*

no information available

### *Hazardous decomposition products*

no information available

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## 11. Toxicological information

### *Acute toxicity*

Quantitative data on the toxicity of this product are not available.

### *Further toxicological information*

Property that must be anticipated on the basis from the components of the preparation:  
After inhalation of dust: slight irritation symptoms. Sensitization possible in predisposed persons.  
After uptake of large quantities: diarrhoea, disturbed electrolyte balance.

### *Further data*

The product should be handled with the care usual when dealing with chemicals.

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## 12. Ecological information

### Ecotoxic effects:

Quantitative data on the ecological effect of this product are not available.

### Further ecologic data:

No ecological problems are to be expected when the product is handled and used with due care and attention.

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## 13. Disposal considerations

### *Product:*

Chemicals must be disposed of in compliance with the respective national regulations. Under [www.retrologistik.de](http://www.retrologistik.de) you will find country- and substance-specific information as well as contact partners.

### *Packaging:*

Merck product packaging must be disposed of in compliance with the country-specific regulations or must be passed to a packaging return system. Under [www.retrologistik.de](http://www.retrologistik.de) you will find special information on the respective national conditions as well as contact partners.

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## 14. Transport information

Not subject to transport regulations.

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## 15. Regulatory information

### *Labelling according to EC Directives*

Symbol: ---

R-phrases: ---

S-phrases: ---

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## 16. Other information

### *Reason for alteration*

Chapter 11: toxicological information.

Chapter 1: change in product name.

General update.

### *Regional representation:*

This information is given on the authorised Safety Data Sheet for your country.

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*The information contained herein is based on the present state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.*