SAFETY DATA SHEET

In accordance with Regulation (EC) No 1907/2006
Revision date: 15/04/2015
Version number: 05

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

1.1 Product Identifier

Product Name: **Mast Campylobacter Enrichment Selectavial™ (Exeter)**

Product Code: **SV59 series**

1.2 Relevant identified uses of the substance or mixture and uses advised against

Recommended uses: *In vitro* diagnostic product; Laboratory chemical

Uses advised against: No information available

1.3 Details of supplier of the product and safety data sheet

Manufacturer/supplier:
Mast Group Ltd., Mast House,
Derby Road,
Bootle,
Merseyside,
UK.
L20 1EA
Telephone: +44 (0) 151 933 7277
Email: uksales@mastgrp.com
Web: www.mastgrp.com

2. Hazards identification

2.1 Classification of the substance or mixture

CLP Classification – Regulation (EC) No. 1272/2008:

Physical hazards: Based on available data, there are no physical hazards

Heath hazards: This product may cause an allergic skin reaction.

Environmental hazards: Based on available data, there are no environmental hazards

2.2 Label elements

Pictogram:

Signal word: Danger

Hazard statements:
H317 - May cause an allergic skin reaction
H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Precautionary statements:
P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P280 Wear protective gloves.
P342 + P311 If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

2.3 Classification according to EU Directive 67/548/EEC or 1999/45/EC

Hazard symbol:

R-phrase(s): R42/43 - May cause sensitization by inhalation or by skin contact.

S-phrase(s): None

2.4 Other hazards

No information available

3. Composition/information on ingredients

Composition: A multi-component freeze-dried tablet containing amphotericin B, polymyxin B, bacitracin, rifampicin, trimethoprim and cefoperazone in an inert carrier.

Hazardous ingredients:

Component	CAS-No.	EC-No.	Concentration	CLP Classification – 1272/2008/EC	Classification to – 67/548/EEC
Amphotericin B	1397-89-3	215-742-2	<1.5%	Skin Irritant Cat. 2; Eye Irritant Cat. 2; Specific target organ toxicity - single exposure Cat. 3. H315 - Causes skin irritation. H319 - Causes serious eye irritation. H335 - May cause respiratory irritation.	Xi, irritant. R36/37/38 – irritating to eyes, respiratory system and skin.
Polymyxin B	1405-20-5	215-774-7	0.3%	Acute Toxicity Oral Cat. 4: H302 - harmful if swallowed.	Xn, harmful. R22 - harmful if swallowed.
Bacitracin	1405-87-4	-	0.3%	None	None
Rifampicin	13292-46-1	236-312-0	3-4%	Acute Toxicity Cat. 4; Skin Irritant Cat. 2; Eye Irritant Cat. 2; Specific target organ toxicity - single exposure Cat. 3. H302 - harmful if swallowed. H315 - Causes skin irritation. H319 - Causes serious eye irritation. H335 - May cause respiratory irritation.	Xn - harmful R22 - harmful if swallowed. R36/37/38 – irritating to eyes, respiratory system and skin.
Trimethoprim lactate	23256-42-0	245-533-1	<10%	N/A	N/A
Cefoperazone	62893-20-3	263-751-5	12%	Skin sensitization Cat. 1: Respiratory sensitization Cat. 1: H317 - May cause an allergic skin reaction H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.	Xn - harmful R42/43 – may cause sensitization by inhalation and skin contact.

4. First-aid measures

4.1 Description of First Aid measures

General advice: Consult a physician. Show this safety data sheet to the doctor in attendance.

Eye contact: Rinse thoroughly with plenty of water for 10 to 15 minutes, also under the eyelids. Obtain medical attention if irritation persists.

Skin Contact: Wash off skin thoroughly with soap and plenty of water. Obtain medical attention if irritation persists.

Ingestion: Rinse mouth out with plenty of water. Obtain medical attention if symptoms occur.

Inhalation: Move person to fresh air. Obtain medical attention immediately if symptoms occur.

4.2 Most important symptoms and effects, both acute and delayed

No information available.

4.3 Indicate any immediate medical attention and special treatment needed

No information available.

5. Fire fighting measures

5.1 Extinguishing medium

Suitable extinguishing media: Use water spray, CO_2, foam or dry powder as the extinguisher medium.

Extinguishing media which must not be used for safety reasons: No information available

5.2 Special hazards arising from the substance or mixture

Combustible material. Thermal decomposition may lead to release of irritating gases and vapours.

5.3 Advice for firefighters

Wear suitable self contained breathing apparatus for fire fighting if necessary.

5.4 Additional information

No data available.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Wear appropriate protective equipment. Avoid dust formation.

6.2 Environmental precautions

Should not be released into the environment.

6.3 Methods and materials for containment and cleaning up

Sweep up or vacuum up spillage in suitable container for disposal. Avoid dust formation.

6.4 Further information

No data available.

7. Handling and storage

7.1 Precautions for safe handling

Avoid contact with eyes, skin and clothing. Avoid ingestion and inhalation. Avoid dust formation.

7.2 Conditions for safe storage, including any incompatabilities

Store at 2°C to 8°C. Keep tightly closed in the container provided. Protect from direct sunlight and moisture.

7.3 Specific end use(s)

This product is for laboratory use only and should only be used by suitably trained laboratory personnel.

8. Exposure controls and personal protection

8.1 Control parameters

Components with workspace control parameters: This product has no occupational exposure limits.

8.2 Exposure controls

Engineering controls:	No engineering protection required.	
Personal protective measures:	Body protection:	Wear standard microbiology laboratory coat.
	Eye/face protection:	Safety glasses with side shields conforming to EN 166.
	Skin and hand protection:	Handle with suitable gloves conforming to EN 374. Product may be handled with forceps.
	Respiratory protection:	If required use a nuisance type particle respirator type P1 EU EN 143.
General hygiene measures:	Handle in accordance with good laboratory practice. Wash hands before breaks and at the end of the working day.	

9. Physical and Chemical properties

9.1 Information on basic physical and chemical properties

Physical appearance:	Lyophilised tablet.
Odour:	No detectable odour.
Odour threshold:	Not applicable.
Colour:	White to off-white colour.
pH value:	Not applicable.
Melting point/freezing point:	No data available.
Initial boiling point/range:	No data available.
Flash point:	No data available.
Evaporation rate:	No data available.
Flammability (solid, gas):	No data available.
Explosive limits:	No data available.
Vapour pressure:	No data available.
Vapour density:	No data available.
Relative density:	No data available.
Solubility in water:	Soluble to partially soluble in water.
Solubility in other solvents:	No data available.
Partition coefficient (n-octanol/water):	No data available.
Auto-ignition temperature:	No data available.
Decomposition temperature:	No data available.
Viscosity:	No data available.
Vapour density:	No data available.
Explosive properties	This product is not explosive in normal circumstances.
Oxidising properties:	No data available.

9.2 Other information

No data available.

10. Stability and reactivity

10.1 Reactivity

No known on information available.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

No data available.

10.4 Conditions to avoid

Hygroscopic. Avoid exposure to sunlight.

10.5 Incompatible materials

None known.

10.6 Hazardous decomposition products

None under normal use conditions.

11. Toxicological information

11.1 Information on toxicological effects

Overall product information: This product does not present an acute toxicity based on known or supplied information.

11.2 Toxicological data for the components

Acute toxicity:	**For polymyxin B** - LD_{50} Oral - mouse - 790 mg/kg; LD_{50} Intraperitoneal - mouse - 20.5 mg/kg; LD_{50} Intravenous - mouse - 5.4 mg/kg. Also see RTECS: TR1150000 **For amphotericin B** - LD_{50} Oral - rat - >5,000 mg/kg. Also see RTECS: BU2625000 **For cefoperazone** - LD50 Oral - rat - >20,000 mg/kg, RTECS: not available Because of the similarity in structure of the penicillins and cephalosporins, those who are allergic to one class of agents may manifest cross-allergenicity when a member of the other class is encountered. Nausea, Vomiting, Diarrhoea, Dermatitis, To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. **For rifampicin**: LD_{50} Oral - rat - 1570 mg/kg; For further information see RTECS: VJ7000000
Skin corrosion/irritation:	No data available.
Serious eye damage/ eye irritation:	No data available.
Respiratory or skin sensitisation:	May cause allergic respiratory reaction.
Germ cell mutagenicity:	No data available.
Carcinogenicity:	IARC: No component of this product is present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
Reproductive toxicity:	For cefoperazone - Reproductive toxicity - rat – Intravenous. Maternal Effects: Other effects.
Specific target organ toxicity – single exposure:	No data available.
Specific target organ toxicity – repeated exposure:	No data available.
Aspiration hazard:	No data available.
Potential health effects:	Inhalation May be harmful if inhaled. Causes respiratory tract irritation. Ingestion May be harmful if swallowed. Skin May be harmful if absorbed through skin. Causes skin irritation. Eyes Causes serious eye irritation.

12. Ecological information

12.1 Toxicity

No data available.

12.2 Persistence and degradability

No data available.

12.3 Bioaccumulative potential

No data available.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

None known.

12.6 Other adverse effects.

No data available.

13. Disposal considerations

Disposal considerations: Dispose of in accordance with local and national regulations.
Dispose of contaminated waste, e.g. used plates, according to local microbiological rules.

14. Transport information

14.1 UN Number

ADR/RID: IMDG: IATA: Not dangerous for shipping

14.2 UN proper shipping name

ADR/RID: IMDG: IATA: Not dangerous for shipping

14.3 Transport hazard class(es)

ADR/RID: IMDG: IATA: Not dangerous for shipping

14.4 Packaging group

ADR/RID: IMDG: IATA: Not dangerous for shipping

14.5 Environmental hazards

ADR/RID: IMDG: IATA: None known.

14.6 Special precautions for user

No data available

15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

No data available.

15.2 Chemical safety assessment

Chemical safety assessment reports are not required for mixtures/IVD products.

16. Other information

Original origination date:	29/08/1997
Reason for change to document:	Updated in accordance with Regulation (EC) No 1907/2006 to incorporate CLP Classification – Regulation (EC) No. 1272/2008 information.

The above information is believed to be correct but does not purport to be all inclusive and shall be used as a guide only. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product and is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. Mast Group Ltd. shall not be held liable for any damage resulting from handling or from contact with the above product. See our website at www.mast.grp.com and/or the reverse side of our invoice for additional terms and conditions of sale.