

# SAFETY DATA SHEET



In accordance with Regulation (EC) No 1907/2006  
Revision date: 26/02/2015  
Version number: 04

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

### 1.1 Product Identifier

**Product Name:** MASTRING™ MID8

**Product Code:** MID8

### 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](mailto:uksales@mastgrp.com)  
Web: [www.mastgrp.com](http://www.mastgrp.com)

## 2. Hazards identification

### 2.1 Classification of the substance or mixture

**CLP Classification – Regulation (EC) No. 1272/2008:** Not hazardous. All components present in small quantities.

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

**Health hazards:** Based on available data, there are no physical hazards

**Environmental hazards:** Based on available data, there are no physical hazards

### 2.2 Label elements

**Pictogram:** None

**Signal word:** None

**Hazard statements:** None

**Precautionary statements:** None

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

**Hazard symbol:** None

**R-phrases(s):** None

**S-phrases(s):** None

### 2.4 Other hazards

No information available

# SAFETY DATA SHEET



In accordance with Regulation (EC) No 1907/2006  
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Version number: 04

## 3. Composition/information on ingredients

**Composition:** A paper ring containing erythromycin, rifampicin, colistin sulphate, penicillin G, kanamycin and Vancomycin in buffered bases. All components present in small quantities i.e. <1mg per disc.

### Hazardous ingredients:

Component	CAS-No.	EC-No.	Concentration	CLP Classification – 1272/2008/EC	Classification to – 67/548/EEC
Rifampicin	13292-46-1	236-312-0	15µg/disc	Acute toxicity, Oral (Category 4), H302 Skin irritation (Category 2), H315 Eye irritation (Category 2), H319 Specific target organ toxicity - single exposure (Category 3), Respiratory system, H335	Xn – R22-36/37/38
Colistin sulphate	1264-72-8	215-034-3	10µg/disc	Acute toxicity, Oral (Category 3), H301 – Toxic if swallowed	T – R25
Penicillin G sodium	69-57-8	200-710-2	2 unit/disc	Respiratory sensitization (Category 1) Skin sensitization (Category 1) H317 - May cause an allergic skin reaction. H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.	Xi – R42/43 May cause sensitization by inhalation and skin contact.
Kanamycin sulphate	25389-94-9	246-933-9	1000µg/disc	Reproductive toxicity (Category 1B) H360 - May damage fertility or the unborn child.	T- R61 May cause harm to the unborn child.
Vancomycin HCl	1404-93-9	-	5µg/disc	Skin sensitisation (Category 1), H317 – may cause an allergic skin reaction.	Xi – R43

## 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<sub>2</sub>, 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.

# SAFETY DATA SHEET



In accordance with Regulation (EC) No 1907/2006  
Revision date: 26/02/2015  
Version number: 04

## 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 contamination 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. Use forceps when handling product.

### 7.2 Conditions for safe storage, including any incompatibilities

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: Contains no substance with 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.

# SAFETY DATA SHEET



In accordance with Regulation (EC) No 1907/2006  
Revision date: 26/02/2015  
Version number: 04

## 9. Physical and Chemical properties

### 9.1 Information on basic physical and chemical properties

Physical appearance:	A filter paper ring with 6 arms each leading to a 6mm paper discs.
Odour:	Odourless.
Odour threshold:	No data available.
Colour:	White or coloured discs
pH value:	No data available.
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:	No data available.
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	No data available.
Oxidising properties:	No data available.

### 9.2 Other information

No data available.

## 10. Stability and reactivity

### 10.1 Reactivity

None 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

Incompatible products; Avoid heat; Avoid dust formation.

### 10.5 Incompatible materials

None known.

### 10.6 Hazardous decomposition products

None under normal use conditions.

# SAFETY DATA SHEET



In accordance with Regulation (EC) No 1907/2006  
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## 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: Rifampicin: LD50 Oral - rat - 1,570 mg/kg  
Colistin sulphate: LD50 Oral - rat - 121 mg/kg  
Penicillin G: LD50 Oral - rat - 6,916 mg/kg  
Kanamycin: LD50 Oral - rat - > 4,000 mg/kg, LD50 Intravenous - rat - 225 mg/kg,  
LD50 Intramuscular - rat - > 4,000 mg/kg, LD50 Subcutaneous - rabbit - > 3 g/kg, LD50  
Intravenous - rabbit - 550 mg/kg, LD50 Intramuscular - rabbit - > 3 g/kg, LD50 Intraperitoneal -  
mouse - 1,353 mg/kg, LD50 Subcutaneous - mouse - 1,100 mg/kg.  
Vancomycin: LD50 Oral - rat - > 10,000 mg/kg

Skin corrosion/irritation: No data available.

Serious eye damage/ eye irritation: No data available.

Respiratory or skin sensitisation: No data available.

Germ cell mutagenicity: No data available.

Carcinogenicity: IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (Rifampicin)

Reproductive toxicity: Kanamycin: Reproductive toxicity - rat - female – Intramuscular; Maternal Effects: Other effects.  
Specific Developmental Abnormalities: Urogenital system.  
Reproductive toxicity - rat - female - Subcutaneous  
Effects on Embryo or Fetus: Foetal death. Specific Developmental Abnormalities:  
Musculoskeletal system.  
Reproductive toxicity - guinea pig - female - Intramuscular  
Specific Developmental Abnormalities: Eye, ear.  
Presumed human reproductive toxicant

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. May cause respiratory tract irritation.  
Ingestion - May be harmful if swallowed.  
Skin - May be harmful if absorbed through skin. May cause skin irritation.  
Eyes - May cause eye irritation.

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

RTECS: Rifampicin - VJ7000000.

RTECS: Colistin sulphate - TR1500000. Prolonged or repeated exposure can cause: neurotoxic effects; liver injury may occur; anorexia; headache; vomiting; diarrhoea; nausea; ataxia.

RTECS: Penicillin G - XH9800000

RTECS: Kanamycin - NZ3225030

RTECS: Vancomycin - YW4380000

# SAFETY DATA SHEET



In accordance with Regulation (EC) No 1907/2006  
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## 12. Ecological information

### 12.1 Toxicity

This product is not known to be hazardous to the environment or not degradable in waste water treatment plants.

### 12.2 Persistence and degradability

Expected to be biodegradable.

### 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

# SAFETY DATA SHEET



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## 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: 02/11/1996

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](http://www.mast.grp.com) and/or the reverse side of our invoice for additional terms and conditions of sale.