



MATERIAL SAFETY DATA SHEET

According to EC Directive 91/155 EC

Date: 01/05/10

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

1.1 Product Details:

Trade Name: Kanamycin Solution

Catalogue Number: BIO-87028, 10ml

1.2 Company Details:

Manufacturer/ Supplier: Bioline
16 The Edge Business Centre
Humber Road
London
NW2 6EW
Tel: +44 (0)20 8830 5300
Fax: +44 (0)20 8452 2822

Further Information Obtainable from:
Technical Services
Details as above

1.3 Emergency Details:

24-Hour Contact in case of emergency:
Vergiftungs-Informations-Zentrale
Mathilden Strasse 1
79106 Freiburg
GERMANY
Tel: +49 (0) 761 19240

2. Composition/ Information on Ingredients

2.1 Chemical Characterisation:

Description: Mixture of substances listed below with non-hazardous additions.

Dangerous Components:

KANAMYCIN SULPHATE

CAS #	EC #	Annex I Index #	Symbols
70560-51-9	None	None	None

R-Phrases: None.

3. Hazards Identification

3.1 Precautionary Statements:

Product is classified as non-hazardous according to directive 67/548/EEC

4. First Aid Measures

4.1 After Inhalation:

Remove to fresh air. If irritation persists consult a doctor immediately.

4.2 After Swallowing:

Wash mouth out with water provided the person is conscious. Consult a doctor immediately.

4.3 After Contact with Eyes:

Immediately flush eyes with copious amounts of water for several minutes. Ensure adequate flushing by separating the eyelids with fingers. Consult a doctor immediately.

4.4 After Contact with Skin:

Immediately wash with soap and copious amounts of water. Remove any contaminated clothing and shoes. If irritation develops consult a doctor immediately.

5. Fire Fighting Measures

5.1 Suitable Extinguishing Media:

Water spray, CO₂ or dry chemical powder. Large fires should be confronted with water spray or alcohol resistant foam.

5.2 Unusual Fire Hazard:

Emits toxic fumes when on fire.

5.3 Fire Fighting Protective Measures:

Wear protective clothing to prevent contact with the skin and eyes.

Wear self-contained breathing equipment to prevent inhalation of explosive or combustion gasses.

6. Accidental Release Measures

6.1 Personal Precautions:

Wear chemical safety goggles, rubber boots, respirator and heavy rubber gloves.

6.2 Environmental Precautions:

Do not allow to enter the surface or ground water. Do not allow to enter sewers.

6.3 Clean-up Measures:

Use a liquid-binding material (e.g. sand, sawdust, diatomite etc.) to absorb the spillage. Place in closed containers for disposal. Ventilate area well and wash spill site after clean-up procedures have taken place.

7. Handling and Storage

7.1 Handling:

Avoid inhalation. Avoid contact with eyes, skin and clothing. Avoid prolonged or repeated exposure.

7.2 Storage:

No special storage requirements for this product. Keep tightly closed.
No special measures for fire and explosive protection required.
Store at –20°C.

8. Exposure Controls/ Personal Protection

8.1 Engineering Measures:

Mechanical exhaust required. Safety shower and eye bath.

8.2 Personal Protection:

Respiratory Protection: Wear appropriate government approved respirator.
Hand Protection: Gloves should be worn, either rubber or chemical resistant.
Eye Protection: Wearing safety goggles is advised, as is the availability of eye-wash stations.
Skin Protection: Lab coats should be worn during handling. Safety deluge showers should be available.

Hygiene Practices: Avoid contact with skin or eyes. Do not place in mouth.
Do not eat, drink or smoke when handling this product. Upon completion of the use of this product, dispose of protective gloves safely and wash hands thoroughly with soap and water.

9. Physical and Chemical Properties

9.1 Physical Properties

Appearance: Liquid, colourless, odourless.

9.1 Chemical Properties

Concentration: 50mg/ml

Melting point/Melting range : Undetermined
Boiling point/Boiling range: Undetermined
Flash Point: Not Applicable
Autoflammability: Product is not self-igniting
Ignition Temperature: Undetermined
Explosive Properties: None
Relative Density: Undetermined
Solubility in Water: Fully Soluble

10. Stability and Reactivity

10.1 Stability

Product is stable under normal handling and storage conditions.
Materials to avoid: Oxidising agents.
Thermal decomposition: None if used under ordinary conditions.

10.2 Reactivity

Hazardous Decomposition Products: Carbon monoxide, Carbon dioxide, Nitrogen Oxides, Sulphur Oxides.
Hazardous Polymerisation: Will not occur.

11. Toxicological Information

11.1 Primary Irritant Effect:

None

11.2 Sensitisation Effects:

SIGNS AND SYMPTOMS OF EXPOSURE

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

ROUTE OF EXPOSURE

Skin Contact: May cause skin irritation.

Skin Absorption: May be harmful if absorbed through the skin.

Eye Contact: Causes eye irritation.

Inhalation: May be harmful if inhaled. Material may be irritating to mucous membranes and upper respiratory tract.

Ingestion: May be harmful if swallowed.

11.3 Further Toxicological Information

Target Organ information: Kidneys, Ears.

12. Ecological Information

12.1 Environmental Effects

Environmental Fate/Stability: Unknown

Effects on Plants or Animals: Unknown

12.2 Water Hazard

Unknown.

Do not allow product to come into contact with surface or ground water, and do not allow it to reach the sewage system.

13. Disposal Considerations

13.1 Product Disposal:

This product must not be disposed of with household waste or in any other manner that may lead to it entering the sewage system. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all environmental regulations.

13.2 Packaging Disposal:

Unclean packaging should be disposed of according to official regulations.

14. Transport Information

14.1 Land Transport:

Product does not belong to a hazard class of any international agreements on the transport and packaging of dangerous goods.

14.2 Maritime Transport:

This product is not a marine pollutant.

14.3 Air Transport

Product does not belong to any hazard classification.

15. Regulatory Information

15.1 Labelling According to EU Guidelines

None required as classified as non-hazardous according to EU directive 67/548/EEC.

COUNTRY SPECIFIC INFORMATION

Germany

WGK: 2

16. Other Information

The information provided in this Material Safety Data Sheet (MSDS) is accurate to the best of our present knowledge. However, this shall not constitute a guarantee for any specific product features. All substances and preparations may present unknown hazards and should be used with caution. Bioline shall not be held liable for any damage resulting from the handling of or from contact with the above product. The information supplied in this MSDS shall not establish a legally valid contractual relationship.

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