

## SAFETY DATA SHEET

according to 29CFR1910.1200 (OSHA HCS)

**Date of Compilation/Revision Date:** 2025-03-21  
**Revision Number:** New  
**Replaces Revision:** Not applicable.

### **SECTION 1: Identification of the substance/mixture and of the company/undertaking**

#### **1.1 Product identifier**

**Trade name/Designation of the mixture:** Linearity FD Bilirubin

**Product code:** K742M-5

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

**Intended Use:** In Vitro Diagnostic use only.

**Uses advised against:** Not for use in/on humans or animals. Not for use in the manufacture of products to be used in/on humans or animals.

#### **1.3 Details of the supplier of the safety data sheet**

**Supplier:**  
Aalto Scientific, Ltd.  
230 Technology Parkway  
Eatonton, GA 31024  
USA

**Customer service telephone:** (760) 431-7922

**1.4 Emergency telephone number** 1-800-748-6674

### **SECTION 2: Hazards Identification**

#### **2.1 Classification of the substance or mixture**

This product meets the criteria for classification in accordance with 29CFR1910.1200 (OSHA HCS). This product is classified as Reproductive toxicity (Category 1B).

Once diluted, as it is intended to be used, this product does not meet the criteria for classification in accordance with 29CFR1910.1200 (OSHA HCS).

The most important adverse physicochemical, human health and environmental effects

No additional information available.

## 2.2 Label elements

Hazard pictogram(s)



Signal word(s)

Danger

Hazard statement(s)

H360 May damage fertility or the unborn child.

Precautionary statement(s)

P201 Obtain special instructions before use.  
 P202 Do not handle until all safety precautions have been read and understood.  
 P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
 P308+ P313 IF exposed or concerned: Get medical advice/ attention.  
 P405 Store locked up.  
 P501 Dispose of contents/ container to an approved waste disposal plant.

## 2.3 Other hazards

Some components of this kit contain human and/or animal blood derivatives. No known test method can offer complete assurance that products derived from human and/or animal blood will not transmit infectious agents. Therefore, this material should be considered potentially infectious. Contains materials that could be toxic in large doses.

## SECTION 3: Composition/information on ingredients

Name	Product identifier (CAS-No.)	Classification	Concentration (%w)
Kanamycin sulfate	70560-51-9	Repr. 1B; H360	0.1 – 0.5%

For full hazard and supplemental hazard statements refer to Section 16 of this SDS.

## **SECTION 4: First aid measures**

### **4.1 Description of first aid measures**

First-aid measures general

Seek medical advice/attention if you feel unwell.

In case of eye contact:

After eye contact: rinse out with plenty of water. Immediately call in ophthalmologist.

Remove contact lenses.

In case of skin contact:

May cause slight skin irritation. If a person feels unwell or symptoms of skin irritation appear, consult a physician. Wash off immediately with soap and plenty of water.

In case of ingestion:

After swallowing: make victim drink water (two glasses at most), avoid vomiting (risk of perforation). Call a physician immediately. Do not attempt to neutralize.

In case of inhalation:

After inhalation: fresh air. Call in physician.

Protection of first-aid providers

Wear suitable gloves and eye/face protection.

### **4.2 Most important symptoms and effects, both acute and delayed**

The most important known symptoms and effects are described in the labeling (see Section 2.2) and/or Section 11 of this SDS.

### **4.3 Indication of any immediate medical attention and special treatment needed**

No data available.

## **SECTION 5: Firefighting measures**

### **5.1 Extinguishing media**

Suitable extinguishing media

Water Foam Carbon dioxide (CO<sub>2</sub>) Dry powder

Extinguishing media which must not be used for safety reasons

None to the manufacturer's knowledge.

Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases:

None to the manufacturer's knowledge.

Combustion products or resulting gases:

None the manufacturer's knowledge.

### **5.2 Special hazards arising from the substance or mixture**

None to the manufacturer's knowledge.

### **5.3 Advice for firefighters**

Wear self-contained breathing apparatus and protective suit.

## **SECTION 6: Accidental release measures**

### **6.1 Personal precautions, protective equipment and emergency procedures**

For emergency responders and non-emergency personnel

Wear suitable gloves and eye/face protection. Handle all blood and materials in contact with blood as if capable of transmitting infectious agents. It is recommended that blood and materials in contact with blood be handled using established good laboratory practices.

## 6.2 Environmental precautions

Waste disposal must be in accordance with appropriate US, Federal, State and International regulations.

## 6.3 Methods and material for containment and cleaning up

Containment techniques

Use appropriate adsorbent material.

Spill clean-up

Use appropriate adsorbent material.

## 6.4 Reference to other sections

See Sections 8 and 13 for Exposure controls/personal protection and waste handling.

# SECTION 7: Handling and storage

## 7.1 Precautions for safe handling

Recommendations for safe handling

Work under hood. Do not inhale substance/mixture. Avoid contact with skin and eyes. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Change contaminated clothing. Wear appropriate personal protective equipment - see Section 8.

## 7.2 Conditions for safe storage, including any incompatibilities

Tightly closed. Dry. Keep in a well-ventilated place.

## 7.3 Specific end use(s)

For professional use only.

# SECTION 8: Exposure controls/personal protection

## 8.1 Control parameters

Ingredients with workplace control parameters

Contains no substances with occupational exposure limit values.

## 8.2 Exposure controls

### 8.2.1 Appropriate engineering controls

Change contaminated clothing. Wash hands after working with mixture.

### 8.2.2 Individual protection measures

Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Safety glasses

Hand protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of

contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. Layer thickness : 0.11mm. Breakthrough time : 480 min.

Respiratory protection

Required when vapors, aerosols or dusts are generated.

Body protection

Wear clothing suitable for a laboratory environment including (but not limited to) a lab coat and closed toed shoes.

## **SECTION 9: Physical and chemical properties**

### **9.1 Information on basic physical and chemical properties**

Physical state:	Freeze-dried powder.	Decomposition temperature:	No information available.
Colour:	No information available.	pH:	No information available.
Odour:	No information available.	Kinematic viscosity:	No information available.
Melting point/freezing point:	No information available.	Solubility:	No information available.
Boiling point:	No information available.	Partition coefficient n-octanol/water (log value):	No information available.
Flammability:	No information available.	Vapour pressure:	No information available.
Lower and upper explosion limit:	No information available.	Density/relative density:	No information available.
Flash point:	No information available.	Relative vapour density:	No information available.
Autoignition temperature:	No information available.	Particle characteristics:	No information available.

### **9.2 Other Information**

No other information available.

## **SECTION 10: Stability and reactivity**

<b>10.1 Reactivity</b>	Stable under normal conditions.
<b>10.2 Chemical stability</b>	Stable under normal conditions.
<b>10.3 Possibility of hazardous reactions</b>	No information available.
<b>10.4 Conditions to avoid</b>	Temperatures outside of the specified storage range.
<b>10.5 Incompatible materials</b>	No information available.
<b>10.6 Hazardous decomposition products</b>	Stable under normal conditions.

## **SECTION 11: Toxicological information**

## 11.1 Information on toxicological effects

### Kanamycin sulfate (CAS No. 70560-51-9)

Acute toxicity:	Oral: No data available Inhalation: No data available Dermal: No data available No data available
Skin corrosion/irritation:	No data available.
Serious eye damage/irritation:	No data available.
Respiratory or skin sensitization:	No data available.
Germ cell mutagenicity:	No data available.
Carcinogenicity:	IARC: NTP: No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.  No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.  OSHA: No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.
Reproductive toxicity:	No data available.
STOT-single exposure:	No data available.
STOT-repeated exposure:	No data available.
Aspiration hazard:	No data available.

## 11.2 Information on other hazards

Aminoglycosides are associated with significant nephrotoxicity and/or ototoxicity.  
Stomach - Irregularities - Based on Human Evidence

## ***SECTION 12: Ecological information***

**No additional information provided.**

## ***SECTION 13: Disposal considerations***

### 13.1 Waste treatment methods

Dispose of contents/container in accordance with licensed collector's sorting instructions. Sewage disposal is discouraged.  
Handle product as if it is capable of transmitting infectious disease.

## ***SECTION 14: Transport information***

No additional information provided.

## ***SECTION 15: Regulatory information***

No additional information provided.

**SECTION 16: Other information**

**This data sheet contains changes from the previous version in section(s):**

Not applicable. See page 1 for date of the SDS's preparation/last change.

**Restrictions on use:**

This product is not for human consumption. In vitro diagnostic use only.

**Full text of H-statements**

Repr. 1B	Reproductive toxicity Category 1B
H360	May damage fertility or the unborn child.

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**End of Safety Data Sheet**