

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

Identification of the substance/preparation

Product code 10131035
Product name Geneticin® Selective Antibiotic, liquid

Company/Undertaking Identification

Life Technologies
 5791 Van Allen Way
 PO Box 6482
 Carlsbad, CA 92008
 +1 760 603 7200

Life Technologies
 5250 Mainway Drive
 Burlington, ONT
 CANADA L7L 6A4
 800/263-6236

24 hour Emergency Response: 866-536-0631
 301-431-8585
 Outside of the U.S. +1-301-431-8585

For research use only. Not intended for human or animal diagnostic or therapeutic uses.

2. Hazards identification

GHS - Classification

Signal Word
DANGER



Health Hazard

Skin Corrosion/Irritation	Category 3
Respiratory Sensitization	Category 1
Skin Sensitization	Category 1

Physical Hazards

not hazardous

Hazard statements

H317 - May cause an allergic skin reaction
H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled
H316 - Causes mild skin irritation

Precautionary statements

P285 - In case of inadequate ventilation wear respiratory protection
P304 + P341 - IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P332 + P313 - If skin irritation occurs: Get medical advice/attention
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray
P280 - Wear protective gloves/protective clothing/eye protection/face protection

Principle Routes of Exposure/ Potential Health effects

Eyes Irritating to eyes.
Skin May cause sensitization by skin contact. Irritating to skin.
Inhalation May cause sensitization by inhalation.
Ingestion May be harmful if swallowed.

Specific effects

Carcinogenic effects none
Mutagenic effects none
Reproductive toxicity none
Sensitization May cause sensitization of susceptible persons

Target Organ Effects No known effects under normal use conditions.

HMIS

Health	2
Flammability	0
Reactivity	0

3. Composition/information on ingredients

Chemical Name	CAS-No	EINECS-No	Weight %
Geneticin	108321-42-2	-	<10

We recommend handling all chemicals with caution.

4. First aid measures

Skin contact Wash off immediately with plenty of water. If symptoms arise, call a physician.
Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.
Ingestion Never give anything by mouth to an unconscious person.
Inhalation Move to fresh air. If not breathing, give artificial respiration.
Notes to physician Treat symptomatically.

Revision Date 07-Mar-2014
Product code 10131035

Page 2 / 6
Product name Geneticin® Selective Antibiotic, liquid

5. Fire-fighting measures

Suitable extinguishing media

Dry chemical.

Special protective equipment for firefighters

Wear self-contained breathing apparatus and protective suit.

6. Accidental release measures

Personal precautions

Use personal protective equipment.

Methods for cleaning up

Soak up with inert absorbent material.

Environmental precautions

Prevent further leakage or spillage if safe to do so.

See Section 12 for additional information.

7. Handling and storage

Handling

Avoid contact with skin and eyes.

Storage

Keep in properly labelled containers.

8. Exposure controls/personal protection

Exposure limits

Chemical Name	OSHA PEL	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
Geneticin	none	none	none	none

Engineering measures

Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Personal Protective Equipment requirements are dependent on the user institution's risk assessment and are specific to the risk assessment for each laboratory where this material may be used.

Respiratory protection

In case of insufficient ventilation wear suitable respiratory equipment.

Hand protection

Impervious gloves.

Eye protection

Safety glasses with side-shields.

Skin and body protection.

Lightweight protective clothing.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice.

Environmental exposure controls

Prevent product from entering drains.

9. Physical and chemical properties

General Information

Form

liquid

Appearance

No information available

Revision Date 07-Mar-2014
Product code 10131035

Page 3 / 6
Product name Geneticin® Selective Antibiotic, liquid

Odor	No information available	
Boiling Point/Range	°C no data available	°F no data available
Melting point/range	°C no data available	°F no data available
Flash point	°C no data available	°F no data available
Autoignition temperature	°C no data available	°F no data available
Oxidizing properties	No information available.	
Water solubility	soluble	

10. Stability and reactivity

Stability	Stable under normal conditions.
Materials to avoid	Strong oxidizing agents
Hazardous decomposition products	Carbon oxides nitrogen oxides (NOx) Contact with acids liberates very toxic gas.
polymerization	Hazardous polymerisation does not occur.

11. Toxicological information

Acute toxicity

Chemical Name	LD50 (oral, rat/mouse)	LD50 (dermal, rat/rabbit)	LC50 (inhalation, rat/mouse)
Geneticin	no data available	no data available	no data available

Principle Routes of Exposure/ Potential Health effects

Eyes	Irritating to eyes.
Skin	May cause sensitization by skin contact Irritating to skin.
Inhalation	May cause sensitization by inhalation.
Ingestion	May be harmful if swallowed.
Carcinogenic effects	none
Mutagenic effects	none
Reproductive toxicity	none
Sensitization	May cause sensitization of susceptible persons
Target Organ Effects	No known effects under normal use conditions.

12. Ecological information

Ecotoxicity effects	No information available.
Mobility	No information available.
Biodegradation	No information available.
Bioaccumulation	No information available.

13. Disposal considerations

Dispose of in accordance with local regulations.

14. Transport information

Revision Date 07-Mar-2014
Product code 10131035

Page 4 / 6
Product name Geneticin® Selective Antibiotic, liquid

IATA

Proper shipping name	Not classified as dangerous in the meaning of transport regulations
Hazard class	none
Subsidiary Class	none
Packing group	none
UN-No	None

15. Regulatory information

Component	TSCA
Geneticin 108321-42-2 (<10)	-

U.S. Federal Regulations

SARA 313

This product is not regulated by SARA.

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product does not contain HAPs.

U.S. State Regulations

Chemical Name	Massachusetts - RTK	New Jersey - RTK	Pennsylvania - RTK	Illinois - RTK	Rhode Island - RTK
Geneticin	-	-	-	-	-

California Proposition 65

This product does not contain chemicals listed under Proposition 65

WHMIS Hazard Class

D2A Very toxic materials

D2B Toxic materials



This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR

16. Other information

Reason for Revision (M)SDS sections updated.

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Revision Date 07-Mar-2014
Product code 10131035

Page 5 / 6
Product name Geneticin® Selective Antibiotic, liquid

The above information was acquired by diligent search and/or investigation and the recommendations are based on prudent application of professional judgment. The information shall not be taken as being all inclusive and is to be used only as a guide. All materials and mixtures may present unknown hazards and should be used with caution. Since the Company cannot control the actual methods, volumes, or conditions of use, the Company shall not be held liable for any damages or losses resulting from the handling or from contact with the product as described herein. THE INFORMATION IN THIS MSDS DOES NOT CONSTITUTE A WARRANTY, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE.

End of Safety Data Sheet