

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

Identification of the substance/preparation

Product code 11811031
Product name GENETICIN

Company/Undertaking Identification

INVITROGEN CORPORATON
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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



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Health Hazard

| | |
|---|------------|
| Skin Corrosion/Irritation | Category 2 |
| Serious Eye Damage/Eye Irritation | Category 2 |
| Respiratory Sensitization | Category 1 |
| Skin Sensitization | Category 1 |
| Specific target organ systemic toxicity (single exposure) | Category 3 |

Physical Hazards

not hazardous

Hazard statements

H315 - Causes skin irritation

H317 - May cause an allergic skin reaction

H319 - Causes serious eye irritation

H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled

H335 - May cause respiratory 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

P337 + P313 - If eye irritation persists: Get medical advice/attention

P312 - Call a POISON CENTER or doctor/physician if you feel unwell

P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention

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 | - | 100 |

We recommend handling all chemicals with caution.

4. First aid measures

| | |
|---------------------------|--|
| Skin contact | Wash off immediately with plenty of water. |
| Eye contact | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. |
| Ingestion | Never give anything by mouth to an unconscious person. |
| Inhalation | Move to fresh air. |
| Notes to physician | Treat symptomatically. |

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 | Pick up and transfer to properly labelled containers. |

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 |

| | |
|------------------------------------|--|
| <u>Engineering measures</u> | 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
Eye protection
Skin and body protection.
Hygiene measures

Impervious gloves.
 Safety glasses with side-shields.
 Lightweight protective clothing.
 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 | solid | |
| Appearance | white | |
| 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 | no data available | |

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 |

12. Ecological information

| | |
|---------------------------------|---------------------------|
| Ecotoxicity effects | No information available. |
| Acute aquatic toxicity | Not classified for acute |
| Chronic aquatic toxicity | Not classified chronic |
| 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

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 (100) | - |

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 contains 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



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.

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

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

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