Safety Data Sheet

Section 1 – Identification of the substance/preparation and of the company/undertaking

Identification of the substance or mixture

Product name: Gentamycin, 50mg/ml
Catalog number: 450-135-**
For research use only. Not intended for human or animal diagnostic or therapeutic uses.

Company details

Wisent Inc.
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Saint-Jean-Baptiste, Qc
Canada J0L2B0
Telephone: +1 (450) 446-2660
Toll-free in Canada: 1-888-947-3681
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Emergency telephone: +1 (514) 777-1312

Wisent Inc.
PO Box 131
St-Bruno, Qc
Canada, J3V 4P8

Section 2 – Hazards identification

Target organs
Aminoglycosides: reported nephrotoxicity and ototoxicity, ears, kidneys, nerves

WHMIS Classification

Respiratory sensitisation
Very toxic material that causes other toxic effects. D2A
Skin sensitisation
Toxic material that causes other toxic effects. D2B

GHS- Classification

Respiratory sensitisation

Category 1

Skin sensitisation

Category 1

GHS label elements

Hazard pictograms

Signal Word

Danger

Hazard statements

May cause an allergic skin reaction. H317

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

Precautionary statements

Prevention

Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray. P261

Contaminated work clothing should not be allowed out of the workplace. P272

Wear protective gloves. P280

Wear respiratory protection. P284

Response

Skin

Wash with plenty of water. P302, P352

If skin irritation or rash occurs, get medical advice/ attention. P333, P313

Inhalation

Remove person to fresh air and keep comfortable for breathing. P304, P340

If experiencing respiratory symptoms: Call a POISON CENTER/doctor. P342, P311

Take off contaminated clothing and wash it before reuse. P362, P364

Disposal

Dispose of contents/ container to an approved waste disposal plant. P501

HMIS

Health	4
Flammability	0
Reactivity	0

Section 3 – Composition/Information on ingredients

CAS#	Composant	-CE#	Concentration
1405-41-0	Gentamycin sulfate salt	215-778-9	-

Section 4 – First aid measures

Ingestion
Keep respiratory tract clear. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Take victim immediately to hospital.
Inhalation
Call a physician or poison control centre immediately. Move to fresh air. If unconscious place in recovery position and seek medical advice.
Skin contact
Rinse with plenty of water.

Eye contact
Flush eyes with water as a precaution. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.
Most important symptoms and effects, both acute and delayed
May cause an allergic skin reaction. If inhaled, may cause allergy or asthma symptoms or breathing difficulties.
General advice
Move out of dangerous area. Show this safety data sheet to the doctor in attendance. Do not leave the victim unattended.
Information for doctor
The first aid procedure should be established in consultation with the doctor responsible for industrial medicine.

Section 5 – Firefighting measures

Apply standard procedure for chemical fires. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Extinguishing media
Suitable extinguishing media
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment
Unsuitable extinguishing media
High volume water jet
Hazardous combustion products
No hazardous combustion products are known
Advice for fire-fighters
Wear self-contained breathing apparatus for firefighting if necessary.

Section 6 – Accidental release measures

Personal precaution, protective equipment and emergency procedures

Ensure adequate ventilation. Always wear protective Equipment. Dilute with plenty of water. Do not allow to enter sewer/ surface or ground water.

Methods and material for containment and cleaning up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal.

Environmental precautions

Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. Local authorities should be advised if significant spillages cannot be contained.

Section 7 – Handling and storage

Precaution for safe handling

Avoid formation of aerosol.
Do not breathe vapours/dust.
Avoid exposure - obtain special instructions before use. Avoid contact with skin and eyes.
Use a personal protection.
Smoking, eating and drinking should be prohibited in the application area.
Provide sufficient air exchange and/or exhaust in work rooms.
Dispose of rinse water in accordance with local and national regulations.
Persons susceptible to skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Condition for safe storage, including any incapability

Keep container tightly closed in a dry and well-ventilated place.
Store at 2-8°C.

Section 8 – Exposure controls/personal protection

Control parameters

Exposure limits

Contains no substances with exposure limit values.

General protective and hygienic measures

Hand protection

Protective gloves.
The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.

Eye protection

Eye wash bottle with pure water. Tightly fitting safety goggles

Breathing equipment

Wear respirators and components tested and approved ((US), type ABEK (EN 14387)) under government standards if insufficient ventilation.

Skin and body protection

Wear suitable protective clothing.

Hygiene measures

Wash hands before and after exposure.

Environmental exposure controls

No special environmental precaution required.

Section 9 – Physical and chemical properties

Information on basic physical and chemical properties

Appearance	Liquid
Odor	No data available
Melting point	No data available
Boiling point	No data available
Flash point	No data available
Auto ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Evaporation rate	No data available
Flammability	The product is not flammable
Upper explosion limit	No data available
Lower explosion limit	No data available
Vapor pressure	No data available
Relative density	No data available
Relative vapor density	No data available
Specific gravity	No data available
Water Solubility	miscible
Solubility (solvents)	No data available
Partition coefficient	No data available
Explosive properties	No data available

Section 10 – Stability and reactivity

Reactivity

Not dangerous under normal condition.

Chemical stability

Stable under normal conditions.

Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.

No decomposition if stored and applied as directed.

Condition to avoid

None available

Incompatible materials

Strong oxidizing agents.

Hazardous decomposition products

No decomposition if stored and applied as directed.

Section 11 – Toxicological information

Information on toxicological effects

Not classified based on available information.

Principal Routes of Exposure

Irritation

May cause skin irritation and/or dermatitis. DL50

Vapours may cause irritation to the eyes, respiratory system and the skin. CL50

Sensitization

May cause an allergic reaction of the respiratory system. Causes self-awareness. Exposure to light can induce allergic reactions creating dermatological lesions that can range from sunburn to oedematous, vesicular lesions or blisters.

STOT - Single Exposure

Not sufficient for classification

STOT - Repeated Exposure

Not sufficient for classification

Carcinogenicity

No component of this product present at levels greater than or equal to 0.1% is identified as probable carcinogen (IARC and ACGIH).

Mutagenicity

Not sufficient for classification

Reproductive toxicity

Not sufficient for classification

Aspiration hazard

Conclusive but not sufficient for classification

Section 12 –Ecological information

Ecotoxicity

Not expected to adsorb on soil.

Persistence and degradability
No information available

Behaviour in environmental systems
Bioaccumulative potential
No information available
Other adverse effects
No information available

Section 13 – Disposal considerations

Recommendation
Do not contaminate ponds, waterways or ditches with chemical or used container. Send to a licensed waste management company. Can be disposed as waste water, when in compliance with local regulations

Empty remaining contents. Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers.

Section 14 – Transport information

DOT (US)
Not regulated as dangerous
IATA
Not regulated as dangerous
IMDG
Not regulated as dangerous

Section 15 – Regulatory information

WHMIS Classification
Very Toxic Material Causing Other Toxic Effects. D2A
Toxic Material Causing Other Toxic Effects. D2B

Section 16 – Other information

MSDS Date of revision: February 2024

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