

Safety Data Sheet

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

Identification of the substance or mixture

Product name: G418 solution 50mg/ml

Catalog number: 450-130-**

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

Company details

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Section 2 – Hazards identification

GHS- Classification

Respiratory sensitisation

Category 1

Skin sensitisation

Category 1

GHS label elements

Hazard pictograms



Signal Word

Danger

Hazard statements

H317 May cause an allergic skin reaction.

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

Precautionary statements

Prevention

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



P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective gloves.
P284 Wear respiratory protection.
P302 + P352 Wash with plenty of water.
P304 + P340 Remove person to fresh air and keep comfortable for breathing.
P333 + P313 If skin irritation or rash occurs, get medical advice/ attention.
P342 + P311 If experiencing respiratory symptoms: Call a POISON CENTER/doctor.
P362 + P364 Take off contaminated clothing and wash it before reuse.
P501 Dispose of contents/ container to an approved waste disposal plant.

Section 3 – Composition/Information on ingredients

Hazardous Components

CAS#	Component	Concentration (% w/w)
108321-42-2	l-(1-4)-O-(3-desoxy-4-C-methyl-3-(methylamino)- beta-L-arabin	>= 5 - < 10

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

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 contact with skin and eyes.
Use a personal protection.

Condition for safe storage, including any incapability

Keep container tightly closed in a dry and well-ventilated place.
Recommended Storage Temperature 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 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.

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

Sensitization

May cause an allergic skin reaction.

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

STOT - Single Exposure

Not sufficient for classification

STOT - Repeated Exposure

Not sufficient for classification

Carcinogenicity

Not sufficient for classification

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

Empty remaining contents in compliance with local regulations

Section 14 – Transport information

IATA-DGR

Not regulated as dangerous

IMDG-code

Not regulated as dangerous

National Regulations

Not regulated as dangerous

Section 15 – Regulatory information

WHMIS Classification

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR) and the SDS contains all the information required by the HPR.

Section 16 – Other information

MSDS Date of revision: June 2024

For research use only. Not use for diagnostic procedures.