



MATERIAL SAFETY DATA SHEET

PRODUCT: G-418

PRODUCT USEAGE: This product is supplied with the intention that it is for laboratory research use only. It must not, under any circumstances, be used for human, drug, food, cosmetic, agricultural, domestic or any other use. This product must only be handled and used by suitably qualified personnel in an appropriately equipped laboratory.

CHEMICAL IDENTIFICATION:
Name: G-418
Cas#: 108321-42-2
MF: C₂₀H₄₀N₄O₁₀

HAZARDS IDENTIFICATION: *Target Organ(s):* Kidneys, ears

Label Precautionary Statements:

Toxic. May cause harm to the unborn child. Harmful by inhalation, in contact with skin and if swallowed. Teratogen.

In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Wear suitable protective clothing, gloves and eye/face protection.

FIRST AID MEASURES: If swallowed, wash out mouth with water provided person is conscious. Call a physician immediately. If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen. In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. Call a physician. In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

FIRE FIGHTING MEASURES:
Extinguishing media: Water spray, carbon dioxide, dry chemical powder or appropriate foam.
Fire fighting procedures: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
Unusual Fire And Explosions Hazards: Emits toxic fumes under fire conditions

ACCIDENTAL RELEASE MEASURES: Wear self-contained breathing apparatus, rubber boots and heavy rubber gloves. Wear disposable coveralls and discard them after use. Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete. Evacuate area.



HANDLING AND STORAGE:

Refer to Section 8

**EXPOSURE
CONTROLS/PERSONAL
PROTECTION:**

Use only in a chemical fume hood. Safety shower and eye bath. Wash contaminated clothing before reuse. Wash thoroughly after handling. Do not breathe dust. Do not get in eyes, on skin, on clothing. Avoid prolonged or repeated exposure. NIOSH/MSHA-approved respirator. Compatible chemical-resistant gloves. Chemical safety goggles. Keep tightly closed. Store in a cool dry place. Harmful solid.

**PHYSICAL AND CHEMICAL
PROPERTIES:**

Appearance and odor: Solid

STABILITY AND REACTIVITY:

Stability: Stable

Incompatibles: Strong Oxidizing agents

Hazardous combustion or decomposition products: carbon monoxide, carbon dioxide, nitrogen oxides, sulfur oxides

Hazardous polymerization will not occur.

**TOXICOLOGICAL
INFORMATION:**

Acute effects: May be harmful if absorbed through the skin. May be harmful if swallowed. May cause skin irritation. May cause eye irritation. Material may be irritating to mucous membranes and upper respiratory tract. Harmful if swallowed, inhaled, or absorbed through skin. Aminoglycosides are associated with significant nephrotoxicity and/or ototoxicity.

Target organ(s): May cause congenital malformation in the fetus.

ECOLOGICAL INFORMATION:

Data not yet available

DISPOSAL CONSIDERATIONS:

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state and local environmental regulations.

TRANSPORT INFORMATION:

Contact A.G. Scientific for transportation information

REGULATORY INFORMATION:

European information: Caution: Substance not yet full tested.

Toxic: R61

May cause harm to the unborn child.

R 20/21/22

Harmful by inhalation, in contact with skin and if swallowed.

S 45

In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

S 36/37/39

Wear suitable protective clothing, gloves and eye/face protection.

A.G. Scientific, Inc.

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OTHER INFORMATION:

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide.