

## SAFETY DATA SHEET

### 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### Product identifiers

Product name: G-418 (Geneticin) Solution  
Product number: AC-AB-0009 / AC-AB-0010  
Brand: Dirk Hindorf - anprotec

#### Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Laboratory chemicals, Manufacture of substances

#### Details of the supplier of the safety data sheet:

Dirk Hindorf – anprotec  
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**Emergency telephone number:** 09824-2254196 / 01726165036

### 2. HAZARDS IDENTIFICATION

#### Classification of the substance or mixture

#### Classification according to Regulation (EC) No 1272/2008

Respiratory sensitization (Category 1)  
Skin sensitization (Category 1)

#### Label elements

Labeling according Regulation (EC) No 1272/2008



Signal word

Danger

#### Hazard statement(s)

H317

May cause an allergic skin reaction.

H334

May cause allergy or asthma symptoms or breathing difficulties if inhaled

#### Precautionary statement(s)

P261

Avoid breathing vapours.

P280

Wear protective gloves.

P342 + P311

If experiencing respiratory symptoms: Call a POISON CENTER or doctor/ physician.

**Supplemental Hazard Statements** none

**Other hazards**

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS-No.	Classification	Concentration [%]
G 418 disulfate salt	108321-42-2	Resp. Sens. 1; Skin Sens. 1; H317, H334	1 - 10%

4. FIRST AID MEASURES

<b>General advice</b>	Consult a physician. Show this safety data sheet to the doctor in attendance
<b>In case of skin contact</b>	Wash off with soap and plenty of water. Consult a physician.
<b>In case of eye contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes. If symptoms persist, call a physician.
<b>Ingestion</b>	Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.
<b>Inhalation</b>	If breathed in, move person to fresh air. If not breathing, give artificial respiration. Consult a physician.

5. FIREFIGHTING MEASURES

<b>Suitable extinguishing media</b>	Use water spray, carbon dioxide, dry chemical, or alcohol resistant foam.
<b>Special hazards arising from the substance or mixture</b>	Carbon oxides, Nitrogen oxides (NOx), Sulphur oxides.
<b>Special Protective equipment for firefighters</b>	Wear self-contained breathing apparatus for firefighting if necessary.

6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation.

**Environmental precautions**

Do not let product enter drains.

**Methods and materials for cleaning up**

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

## 7. HANDLING AND STORAGE

### **Precautions for safe handling**

Avoid contact with skin and eyes. Avoid inhalation of vapour, mist or gas.

### **Conditions for safe storage, including any incompatibilities Keep in properly labeled containers**

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Recommended storage temperature: 2-8°C

Storage class (TRGS 510): Non combustible liquids

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### **Control parameters**

#### **Components with workplace control parameters**

#### **Exposure controls**

#### **Appropriate engineering controls**

Handle in accordance with the good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

#### **Personal protective equipment**

##### **Eye/face protection**

Face shield and safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

##### **Skin protection**

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.

Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

##### **Body Protection**

Impervious clothing, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

##### **Respiratory protection**

Where risk assessment shows air-purifying respirators are appropriate use (US) or type ABEK (EN 14387) respirator cartridges as a backup to engine protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU)

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Form:	Form: liquid
Odour	no data available
Odour Threshold	no data available
pH	no data available
Melting point/freezing point	no data available
Initial boiling point and boiling range	no data available
Flash point	no data available
Evaporation rate	no data available
Flammability (solid, gas)	no data available
Upper/lower flammability or explosive limits	no data available
Vapour pressure	no data available
Vapour density	no data available
Relative density	no data available
Water solubility	no data available
Partition coefficient: n-octanol/water	no data available
Auto-ignition temperature	no data available
Decomposition temperature	no data available
Viscosity	no data available
Explosive properties	no data available
Oxidizing properties	no data available

## 10. STABILITY AND REACTIVITY

Reactivity	no data available
Chemical stability	Stable under recommended storage conditions
Possibility of hazardous reactions	no data available
Conditions to avoid	no data available
Incompatible materials	no data available
Hazardous decomposition products	no data available

## 11. TOXICOLOGICAL INFORMATION

<b>Acute toxicity</b>	no data available
<b>Skin corrosion</b>	no data available
<b>Serious eye damage/irritation</b>	no data available
<b>Respiratory or skin sensitisation</b>	no data available
<b>Germ cell mutagenicity</b>	no data available
<b>Carcinogenicity</b>	
<b>IARC</b>	
No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.	
<b>Reproductive toxicity</b>	no data available
<b>Specific target organ toxicity</b>	no data available
<b>– single exposure</b>	



#### 15. REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

##### **Safety, health and environmental regulations/legislation specific for the substance or mixture**

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

##### **Chemical Safety Assessment**

No data available

#### 16. OTHER INFORMATION

##### **Further 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. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

Dirk Hindorf - anprotec shall not be held liable for any damage resulting from handling or from contact with the above product.