



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

Product name	25 mM MgCl <sub>2</sub>
Catalog number	05-11-00050 05-11-00025 05-11-00200
Manufacturer/Supplier	Solis BioDyne Riia 185a, 51014 Tartu Estonia Tel. +372 740 9960 Fax. +372 740 2079
Information in case of emergency	Tel. +372 740 9960

### 2. COMPOSITION/ INFORMATION ON INGREDIENTS

#### Hazardous/Non-hazardous Components

The product contains no substances which at their given concentration, are considered to be hazardous to health.

### 3. HAZARDS IDENTIFICATION

Hazard description	Not applicable
Information concerning particular hazards for human and environment	Not applicable
Classification system	The classification is according to the latest editions of the EU-lists.

### 4. FIRST-AID MEASURES

Inhalation	Move to fresh air. If breathing becomes difficult, call a physician.
Ingestion	Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.
Skin contact	Wash off immediately with plenty of soap and water. If irritation develops, get medical attention.
Eye contact	Rinse opened eye immediately with plenty of water. If irritation persists, get medical attention.
Notes to physician	Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	Dry chemical, CO <sub>2</sub> , water spray or alcohol resistant foam.
Fire/Explosion hazards	Not applicable
Protective equipment	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions</b>	Use personal protective equipment. Ensure adequate ventilation.
<b>Environmental precautions</b>	Do not allow to enter surface/ sewers or ground water. Prevent further leakage or spillage if safe to do so.
<b>Methods for cleaning up</b>	Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

## 7. HANDLING AND STORAGE

<b>Handling</b>	No special measures are required for safe handling of this product.
<b>Storage</b>	No special precautions required. Store at -20°C.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

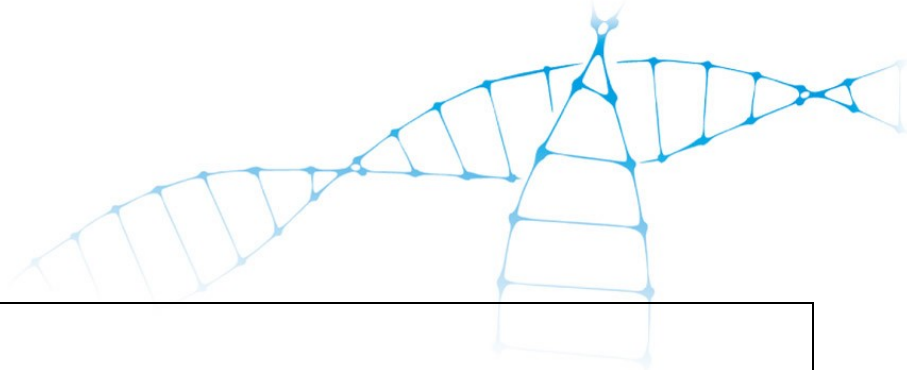
<b>Engineering measures</b>	Not required, see section 7.
<b>Personal protective equipment</b>	
Respiratory protection	Not required.
Hand protection	Protective gloves.
Eye protection	Protective goggles.
Skin and body protection	Appropriate protective clothing.
Hygiene measures	Do not eat, drink or smoke when handling this product. Wash thoroughly after handling.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Form</b>	Solution
<b>Color</b>	Colorless
<b>Odour</b>	Not defined
<b>Ph value</b>	7.0-7.5
<b>Boiling point</b>	Undetermined
<b>Melting point</b>	Undetermined
<b>Flash point</b>	Not applicable
<b>Autoflammability</b>	Not applicable
<b>Explosion hazard</b>	Not applicable
<b>Vapour pressure</b>	No information available
<b>Relative density</b>	No information available
<b>Water solubility</b>	Easily soluble

## 10. STABILITY AND REACTIVITY

<b>Conditions to avoid</b>	None, if used according to specifications
<b>Materials to avoid</b>	Strong oxidizing agents, acids and alkali
<b>Hazardous decomposition products</b>	No dangerous decomposition products known



## 11. TOXICOLOGICAL INFORMATION

<b>Routes of exposure:</b>	
Inhalation	Material may be irritating to mucous membranes and upper respiratory tract.
Skin contact	May cause skin irritation
Eye contact	May cause eye irritation
<b>Sensitization</b>	Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals
<b>Additional toxicological information</b>	When used and handled according to specifications, the product does not have any harmful effects to our experience

## 12. ECOLOGICAL INFORMATION

<b>Mobility</b>	No data available
<b>Degradability</b>	Inherently biodegradable
<b>Accumulation</b>	Does not bioaccumulate
<b>Ecotoxicity</b>	This product is slightly hazardous for water Do not allow product to reach ground water, water course or sewage system

## 13. DISPOSAL CONSIDERATIONS

<b>Waste handling and disposal</b>	Waste must be disposed of in accordance with federal, state and local environmental control regulations.
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## 14. TRANSPORT INFORMATION

<b>Land transport ADR/RID (cross-border)</b>	
ADR/RID class	no
<b>Air transport ICAO-TI and IATA-DGR</b>	
ICAO/IATA class	no
<b>Additional information</b>	This substance is considered to be non-hazardous for transport

## 15. REGULATORY INFORMATION

<b>Labelling according to EU guidelines</b>	This product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials.
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## 16. OTHER INFORMATION

This information is based on our present knowledge and shall be used only as a guide. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. Solis BioDyne is not held liable for any damage resulting from handling or from contact with the above mentioned products.

