Safety data sheet

MgCl2, 25 mM

Product name MgCl2, 25 mM	Catalog no. MG05
Synonyms -	Revision date -
CAS no. -	Document version / date 1.0 / 24 October 2026

01 PRODUCT AND COMPANY IDENTIFICATION

Product identifier	MgCl2, 25 mM
Product code	MG05
CAS number	-
EC number	-
Recommended use	For research use only.
Supplier	EcoTech Biotechnology
Website	www.ecotechbiotech.com
Address	Universite Mah. İpekyolu Cad. Ata Teknokent Sitesi B Blok No: Z10 Yakutiye Erzurum Türkiye
Telephone	0090 544 327 34 97
SDS contact	info@ecotechbiotech.com
Emergency telephone	0090 544 327 34 97
Available	Monday-Saturday/08:00-20:00/GMT+3
Languages	Turkish/English
Outside these hours	Contact: info@ecotechbiotech.com

02 HAZARDS IDENTIFICATION

Classification	Not classified as hazardous according to Regulation (EC) No. 1272/2008 (CLP).
Label elements	No hazard pictograms or signal word assigned.
Symbols / pictograms	None
Signal word	None
Hazard statements	No hazardous ingredients.
Precautionary statements - Prevention	None
Precautionary statements - Response	None
Other hazards	None known.

Composition & response

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03 COMPOSITION / INFORMATION ON INGREDIENTS

Product name	MgCl2, 25 mM
Synonyms	-
Concentration	-
Formula	-
Molecular weight	-
Mixture statement	This product is a mixture. No components need to be disclosed under applicable regulations.

04 FIRST AID MEASURES

4.1 Description of first aid measures

Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Seek medical attention if irritation occurs.
Skin contact	If on skin, rinse well with water.
Inhalation	Move into fresh air. Seek medical advice if discomfort occurs.
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. Rinse mouth with water.
Self-protection of first aider	Use personal protective equipment as appropriate.
Most important symptoms / effects	No data available.
Immediate medical attention / treatment	Seek medical attention if discomfort persists.

05 FIREFIGHTING MEASURES

Suitable extinguishing media	Use extinguishing measures appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media	No data available
Special hazards arising from the substance or mixture	No information available.
Explosion data	No data available
Advice for firefighters	Wear self-contained breathing apparatus for firefighting if necessary. Standard procedure for chemical fires.

Safe use & protection

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06 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Move personnel to safe areas. Ensure adequate ventilation. Use personal protective equipment. Avoid breathing vapours, mist or gas. Refer to Section 8.
Environmental precautions	Local authorities should be advised if significant spillages cannot be contained.
Methods and materials for containment and cleaning up	Wipe up with absorbent material (e.g. cloth or fleece). Keep collected waste in suitable, closed containers for disposal.
Reference to other sections	For disposal, see Section 13.

07 HANDLING AND STORAGE

Precautions for safe handling	For personal protection see Section 8. Smoking, eating and drinking should be prohibited in the application area.
Conditions for safe storage	Keep tightly closed. Protect from light.
Container labeling	See label, package insert or applicable storage guidelines.

08 EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Engineering measures	Ensure adequate ventilation, especially in confined areas.
Hygiene measures	Observe good laboratory hygiene. Wash hands after handling; do not eat, drink or smoke during use.
Eye / face protection	Wear safety glasses with side shields conforming to EN 166.
Hand protection	Wear protective gloves.
Skin and body protection	Wear a laboratory coat or impervious clothing.
Respiratory protection	No personal respiratory protective equipment is normally required.

Material properties

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09 PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Liquid
Odor	Odorless
Odor 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	Not flash
Evaporation rate	No data available
Flammability (solid, gas)	The product is not flammable
Upper / lower flammability or explosive limits	No data available
Vapor pressure	No data available
Vapor density	No data available
Relative density	No data available
Solubility(ies)	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	The substance or mixture is not classified as oxidizing.

10 STABILITY AND REACTIVITY

Reactivity	No dangerous reaction known under conditions of normal use.
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions to avoid	No data available
Incompatible materials	No data available
Hazardous decomposition products	No data available

Health & environment

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11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity	Not classified based on available information.
Skin corrosion / irritation	Not classified based on available information.
Serious eye damage / eye irritation	Not classified based on available information.
Carcinogenicity	Not classified based on available information.
Reproductive toxicity	Not classified based on available information.
STOT - SE	Not classified based on available information.
STOT - RE	Not classified based on available information.
Aspiration hazard	Not classified based on available information.

11.2 Potential health effects

Ingestion: May be harmful if swallowed.
Inhalation: May be harmful if inhaled.
Skin: May be harmful if absorbed through skin.
Eyes: May be harmful on contact with eyes.

11.3 Additional information

No additional information is available.

12 ECOLOGICAL INFORMATION

Ecotoxicity	No data available
Persistence and degradability	No data available
Bioaccumulative potential	No data available
Mobility in soil	No data available
Results of PBT and vPvB assessment	Not relevant.

13 DISPOSAL CONSIDERATIONS

Waste treatment methods

Product	May be disposed of as wastewater only when permitted by applicable local regulations.
Contaminated packaging	Empty containers should be taken to an approved waste handling facility for recycling or disposal. Do not reuse empty containers.

Transport & reference

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14 TRANSPORT INFORMATION

Mode	UN no.	UN proper shipping name	Hazard class	Packing group	Environmental hazards
ADR / RID	-	Not dangerous goods	-	-	No
IMDG	-	Not dangerous goods	-	-	No
IATA	-	Not dangerous goods	-	-	No

Special precautions for user	Not dangerous goods under ADR/RID, ADNR, IMDG and ICAO/IATA-DGR.
Transport in bulk (MARPOL / IBC)	Not applicable.

15 REGULATORY INFORMATION

Safety, health and environmental regulations / legislation	Seveso II (Directive 96/82/EC as amended): Not applicable. Seveso III (Directive 2012/18/EU): Not applicable.
Environmental hazards	Water hazard class (Germany): WGK 1, slightly water endangering.
Chemical Safety Assessment	A Chemical Safety Assessment is not required for the stated applications.

16 OTHER INFORMATION

Key to abbreviations and acronyms

STOT-SE	Specific Target Organ Toxicity - Single Exposure
STOT-RE	Specific Target Organ Toxicity - Repeated Exposure
PBT	Persistent Bioaccumulative and Toxic
vPvB	very Persistent very Bioaccumulative and toxic
ADR	European Agreement concerning the international carriage of Dangerous goods by Road
CAS	Chemical Abstracts Service
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime code for Dangerous Goods
REACH	Registration, Evaluation, Authorization and restriction of Chemicals
RID	Regulations concerning the International transport of Dangerous goods by rail