

MATERIAL SAFETY DATA SHEET

**VIVANTIS TECHNOLOGIES SDN BHD
REVONGEN CORPORATION CENTER**

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SECTION 1: CHEMICAL IDENTIFICATION

Catalogue Number: RB0204

Product Name: 50mM MgCl₂, 5 x 1ml

Intended Use:

For research use only. Not for use in diagnostic procedures.

Company Headquarters:

Vivantis Technologies Sdn Bhd
Revongen Corporation Center
Level 17, Top Glove Tower,
No. 16, Persiaran Setia Dagang,
Setia Alam, Seksyen U13, 40170 Shah Alam,
Selangor Darul Ehsan, Malaysia.
Tel: +6 03 3359 1166
Fax: +6 03 3358 0303
Email: info@vivanttechnologies.com
Website: www.vivanttechnologies.com

Company Manufacturing:

Vivantis Technologies Sdn Bhd
Production Lab
Level 1, Enterprise 2,
Technology Park Malaysia,
Lebuhraya Puchong-Sg. Besi,
57000 Bukit Jalil,
Kuala Lumpur, Malaysia.

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SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	%
Magnesium chloride hexahydrate	7791-18-6	-

SECTION 3: HAZARDS IDENTIFICATION**GHS Classification**

Classification according to CLASS regulations 2013.

Not a hazardous substance or mixture.

GSH Label elements, including precautionary statements:

Labeling according to CLASS regulations 2013.

Pictogram: None

Signal word: None

Hazardous statement: None

Precautionary statement: None

Not a hazardous substance or mixture.

SECTION 4: FIRST-AID MEASURES

In case of eye contact, rinse thoroughly with plenty of water for at least 15 minutes.

In case of skin contact, wash off immediately with soap and plenty of water.

In case of inhalation, move to fresh air. If not breathing, give artificial respiration.

In case of ingestion, rinse mouth with plenty of water. Never give anything by mouth to an unconscious person.

SECTION 5: FIRE FIGHTING MEASURES

Not flammable.

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

As for special hazards arising from the substance or mixture, use hydrogen chloride gas, magnesium oxide.

Wear self-contained breathing apparatus for firefighting if necessary.

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SECTION 6: ACCIDENTAL RELEASE MEASURES

For personal protection, use personal protective equipment. Avoid breathing vapors, mist or gas.

For environmental precautions, no special environmental precautions required.

For cleaning up, pick up and transfer to properly labeled containers. Wash and ventilate spill area after material pickup is done.

SECTION 7: HANDLING AND STORAGE

Handle in accordance with good industrial hygiene and safety practice.

Store at cool place. Keep containers tightly closed in a dry, cool and well-ventilated place.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Contains no substances with occupational exposure limit values.

Respiratory protection Respiratory protection not required. For nuisance exposure use type OV/AG (US) or type ABEK (EU EN 14387) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Eye/face protection Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN166 (EU).

Skin and body protection Wear protection gloves/clothing.

No special environmental precautions required.

Handle in accordance with good industrial hygiene and safety practice.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Colorless liquid
Physical state:	Liquid
Odor:	No odor
Odor threshold:	No information available
pH:	pH7-8
Melting point:	No data available
Boiling point:	No data available
Initial boiling point:	No information available
Freezing point:	No information available
Flash point:	Not determined
Auto-ignition temperature:	No data available
Decomposition temperature:	No information available
Upper flammability limits in air:	No data available
Lower flammability limits in air:	No data available
Explosive properties:	No information available
Oxidizing properties:	No information available
Water Solubility:	Very soluble in water
Partition coefficient (n-octanol/water):	No data available
MMHG @ 37.8°C:	No data available
Vapor density:	No data available
Evaporation rate:	No data available
Specific gravity:	No data available
Viscosity:	No information available

SECTION 10: STABILITY AND REACTIVITY

Stable under recommended storage conditions.

Materials to avoid:	No information available
Hazardous decomposition product:	No information available
Hazardous polymerization:	Do not occur

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SECTION 11: TOXICOLOGICAL INFORMATION

Acute toxicity

No data available

Skin corrosion/irritation:	No data available
Serious eye damage/eye irritation:	No data available
Respiratory or skin sensitization:	Prolonged or repeated exposure may cause allergic reactions
Germ cell mutagenicity:	No data available
Carcinogenicity:	No component of this product presents at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
Reproductive toxicity:	No data available
Specific target organ toxicity – single exposure:	No data available
Specific target organ toxicity – repeated exposure:	No data available

SECTION 12: ECOLOGICAL INFORMATION

Toxicity:	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 available as chemical safety assessment not required
Other adverse effects:	No data available

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose waste material in accordance with all federal, state and local environmental regulation.
Observe all federal, state and local environmental regulations.

SECTION 14: TRANSPORT INFORMATION

DOT

Not regulated.

IATA

Not regulated.

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SECTION 15: REGULATORY INFORMATION

International inventories

ENCS	Comply
KECL	Comply
PICCS	Comply
AICS	Comply

SECTION 16: OTHER INFORMATION

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