

Material Safety Data Sheet
Version No.: 2.0(29-04-2014)

20mM MgCl₂

1. PRODUCT AND COMPANY INFORMATION

Product Name : 20mM MgCl₂

Product Number : N/A(buffer)

Product Use : For research use only and are not intended for human or animal diagnostics,
therapeutic , or other clinical uses, unless otherwise stated.

Company

Bioneer corporation

8-11,Munpyeongseo-ro,Daedeok-gu,Daejeon 306-220,Republic of Korea

+82-42-930-8777

2. HAZARDS IDENTIFICATION

GHS – Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC.

Pictogram : None

Signal Word : None

Hazard statements: None

Precautionary statements: None

3. Composition/Information on Ingredient

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

4. FIRST AID MEASURES

Eye contact

- Flush eyes with water as a precaution.

Skin contact

- Wash skin with soap and copious amount of water. Call a physician.

Inhaled

- Move to fresh air

Swallowed

- If the person is conscious, wash out mouth with water. Call a physician.
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5. Firefighting measures

Suitable extinguishing media

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

Special hazards arising from the substance or mixture

- No further relevant information available.

Advice for firefighters

- Wear self contained breathing apparatus for fire fighting if necessary.
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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 containment and cleaning up

- Keep in suitable, closed containers for disposal.
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7. Handling and storage

Precautions for safe handling

- No special measures required.
 - Provide appropriate exhaust ventilation at places where dust is formed.
 - Normal measures for preventive fire protection.
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Conditions for safe storage, including any incompatibilities

- Store in cool place. Keep container tightly closed in a dry and well-ventilated place.
- Recommended storage temperature: –20 °C

8. Exposure controls/personal protection

Appropriate engineering controls

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

Personal protective equipment**Respiratory protection**

- Respiratory protection not required.

Eye/face protection

- Goggles recommended during refilling.

Skin protection

- Handle with gloves.

Body Protection

- impervious clothing

9. Physical and chemical properties

Appearance : form – liquid

colour – colorless

Odour : odourless

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

Partition coefficient: noctanol/water : no data available

Auto-ignition temperature : no data available

Decomposition temperature : no data available

Viscosity : no data available

Explosive properties : no data available

10. Stability and reactivity

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

Acute toxicity : no data available

Skin corrosion/irritation : no data available

Serious eye damage/eye irritation : no data available

Respiratory sensitisation : no data available

skin sensitisation : no data available

Carcinogenicity : 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

Germ cell mutagenicity : no data available

Specific target organ toxicity – single exposure : no data available

Specific target organ toxicity – repeated exposure : no data available

Aspiration hazard : no data available

12. Ecological information

Toxicity : no data available

Persistence and degradability : no data available

Bioaccumulative potential : no data available

Mobility in soil : no data available

13. Disposal considerations

Waste treatment methods : Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging : Dispose of as unused product.

14. Transport information

UN number : no data available

UN proper shipping name

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

Transport hazard class : no data available

Packaging group : no data available

Environmental hazards : no data available

Special precautions for user : no data available

15. Regulatory information

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

no data available

Chemical Safety Assessment

For this product a chemical safety assessment was not carried out

16. Other information

Material source

Korea Occupational Safety and Health Agency, National Chemicals Information System

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Further 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. BIONEER is not held liable for any damage resulting from handling or from contact with the above products.
