



MPL Products
26 Baddesley Way
Canning Vale, Western Australia
Australia, Post Code – 6155
ph: +61421837661
email: mplexim61@gmail.com

MATERIAL SAFETY DATA SHEET

POTASSIUM CHLORIDE POWDER

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

SUPPLIER : MPL Products
26 Baddesley Way,
Canning Vale
WA, 6155, Australia
Ph:+61421837661
E-mail: mplexim61@gmail.com

PRODUCT NAME : POTASSIUM CHLORIDE
PRODUCT USE : Drilling Fluid Additives.
SYNONYMS : "KCL"

SECTION 2 - HAZARDS IDENTIFICATION

Poisons Schedule (Aust) : Not Scheduled

Globally Harmonised System

Hazard Classification : NOT hazardous according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS)

Signal Word: None

National Transport Commission (Australia)

Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)

Dangerous Goods Classification: NOT Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

NAME	CAS RN	%
POTASSIUM CHLORIDE	7447-40-7	100

SECTION 4 - FIRST AID MEASURES

General:

Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

Inhalation: Allow the victim to breathe fresh air. Allow the victim to rest.

Skin: Remove affected clothing and wash all exposed skin areas with mild soap and water, followed by warm water rinse.

Eye: Rinse immediately with plenty of water. Obtain medical attention if pain, blinking, or redness persists.

Ingestion: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.



MPL Products
26 Baddesley Way
Canning Vale, Western Australia
Australia, Post Code – 6155
ph: +61421837661
email: mplexim61@gmail.com

SECTION 5 - FIRE FIGHTING MEASURES

Extinguishing media: Foam. Dry powder. Carbon dioxide. Water spray and sand

Specific hazards arising from the chemical:

Fire hazard: Not flammable

Explosion hazard: Not applicable

Reactivity: None

Special protective equipment and precautions for fire-fighters:

Firefighting instructions: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering the environment.

Protection during firefighting: Do not enter the fire area without proper protective equipment, including respiratory protection.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

MINOR SPILLS

- Remove all ignition sources.
- Clean up all spills immediately.

MAJOR SPILLS

Moderate hazard.

- Clear area of personnel and move upwind.
- Alert the Fire Brigade and tell them the location and nature of the hazard.

SECTION 7 - HANDLING AND STORAGE

PROCEDURE FOR HANDLING

Avoid generating and breathing mist.

- Avoid all personal contact, including inhalation.
- Wear protective clothing when risk of exposure occurs.

SUITABLE CONTAINER

Multi-ply paper bag with sealed plastic liner or heavy gauge plastic bag.

NOTE: Bags should be stacked, blocked, interlocked, and limited in height so that they are stable and secure against sliding or collapse.

STORAGE INCOMPATIBILITY

Avoid storage with oxidizers.

STORAGE REQUIREMENTS

- Store in original containers.
- Keep containers securely sealed.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE CONTROLS PERSONAL PROTECTION RESPIRATOR

EYE

- Safety glasses with side shields
- Chemical goggles.



MPL Products
26 Baddesley Way
Canning Vale, Western Australia
Australia, Post Code – 6155
ph: +61421837661
email: mplexim61@gmail.com

HANDS/FEET

When handling hot material, wear protective gloves.

OTHER

- Eyewash unit
- Full face shield and Cotton washable overalls buttoned to the neck and wrist and washable hat.

ENGINEERING CONTROLS

Use in a well-ventilated area, preferably outdoors.

General exhaust is adequate under normal operating conditions. If risk of overexposure exists, wear SAA approved respirator. In confined spaces where there is inadequate ventilation, wear full-face air supplied breathing apparatus.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL PROPERTIES: Does not mix with water. Floats on water.

Physical state: Solid

Appearance: Crystalline powder.

Color: White

Odor: Odorless Odor

Threshold: No data available

pH: No data available

pH solution: 5.4 - 8.6 5% @ 25°C

Melting point: 770 °C

Freezing point: No data available

Boiling point: 1420 °C

Flash point: No data available

Specific gravity / density: 1.987 g/cm³

Molecular mass: 74.54 g/mol

Solubility: Soluble in water. Soluble in glycerol.

SECTION 10 - CHEMICAL STABILITY AND REACTIVITY INFORMATION

CONDITIONS CONTRIBUTING TO INSTABILITY

- Presence of incompatible materials.
- The product is considered stable.
- Reactivity is none.

SECTION 11 - TOXICOLOGICAL INFORMATION

LD50 oral rat 2600 mg/kg

ATE US (oral) 2600 mg/kg body weight.

Skin corrosion/irritation: Not classified.

Serious eye damage/irritation: Not classified.

Respiratory or skin sensitization: Not classified.

Carcinogenicity: Not classified.



MPL Products
26 Baddesley Way
Canning Vale, Western Australia
Australia, Post Code – 6155
ph: +61421837661
email: mplexim61@gmail.com

SECTION 12 - ECOLOGICAL INFORMATION

EC50 Daphnia 1: 825 mg/l.
Persistence and degradability: Not established.
Bio accumulative potential Not established.

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste disposal recommendations: Dispose of the goods in a safe manner in accordance with local/national regulations.
Ecology - waste materials: Avoid release to the environment.

SECTION 14 - TRANSPORTATION INFORMATION

HAZCHEM:
NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS: ADR, IATA, IMDG

SECTION 15 - REGULATORY INFORMATION

RISK

None under normal operating conditions.

SAFETY

Safety Codes Safety Phrases S22 Do not breathe dust.

REGULATIONS

Potassium Chloride: No regulations applicable

This safety data sheet is in compliance with the following.

EU legislation and its adaptations – as far as applicable - : 67/548/EEC, 1999/45/EC, 76/769/EEC, 98/24/EC, 92/85/EEC, 94/33/EC, 91/689/EEC, 1999/13/EC, as well as the following British legislation:

- The Control of Substances Hazardous to Health Regulations (COSHH) 2002
- COSHH Essentials
- The Management of Health and Safety at Work Regulations 1999

SECTION 16 - OTHER INFORMATION

Individuals handling this product should be informed of the recommended safety precautions and should have access to this information.

This information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any other processes. Such information is to the best of our knowledge and belief, accurate and reliable as of the date compiled. However, no representation, warranty or guarantee is made as to its accuracy, reliability, or completeness. It is the user's responsibility to satisfy themselves as to the suitability and completeness of such information for their own particular use. We do not accept liability for any loss or damage that may occur from the use of this information, nor do we offer a warranty against patent infringement.



MPL Products
26 Baddesley Way
Canning Vale, Western Australia
Australia, Post Code – 6155
ph: +61421837661
email: mplexim61@gmail.com

MPL Products reserves the right to refuse shipment of this material to any consumer who fails to demonstrate the ability to consistently handle and use it safely and in compliance with all applicable laws, rules, and regulations. Such a demonstration may require on-site inspection of any or all storage, processing, packaging, and other handling systems that come in contact with it.

Customers are responsible for compliance with local, state, and federal regulations that may be pertinent in the storage, application, and disposal of this product.