SAFETY DATA SHEET

POTASSIUM CHLORIDE AR

KEMAUS

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SECTION 1: Identification of the substance/mixture and of the company/ undertaking

1.1 Product identifier

Catalogue no. : KA383
Product name : Potassium chloride AR
CAS No. : 7447-40-7
EC No. : 231-211-8

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses

For laboratory utilisation, analysis, research and fine chemistry.

Uses advised against

No additional information available

1.3 Details of the supplier of the safety data sheet

Elago Enterprises Pty Ltd
5 The Cloisters, Cherrybrook, N.S.W. 2126, Australia
Tel no. (61) 2 98998169 Fax no. (61) 2 98997976
info@kemauschemical.com

1.4 Emergency telephone:

(61) 2 98998169 (9:00am - 5:00 pm) [Office hours]

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified as dangerous.

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Not classified as dangerous.

2.3 Other hazards

None known.

SECTION 3: Composition/information on ingredients

3.1 Substances

Name: Potassium chloride
Formular: KCl
CAS No : 7447-40-7
Molecular weight : 74.55
Contains no other components or impurities which will influence the classification of the product.

SECTION 4: First aid measures

4.1 Description of first aid measures

If inhaled

After inhalation: Take the person out into the fresh air.

In case of skin contact

In case of skin contact: Wash with plenty of water. Remove contaminated clothing.

In case of eye contact

After eye contact: Wash with plenty of water, keeping eyelids open.

If swallowed

After swallowing: Never induce vomiting. If feeling unwell seek medical assistance.

4.2 Most important symptoms and effects, both acute and delayed

Not expected to present a significant hazard under anticipated conditions of normal use.

4.3 Indication of any immediate medical attention and special treatment needed

In case of doubt or when symptoms of feeling unwell persist, get medical attention. Never administer anything orally to persons who are unconscious.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Foam, Dry powder, Carbon dioxide, Water spray, Sand.

Unsuitable extinguishing media

Do not use a direct stream of water to extinguish.

5.2 Special hazards arising from the substance or mixture

Under fire conditions, hazardous fumes may present.

5.3 Advice for firefighters

Do not enter fire area without proper protective equipment, including respiratory protection.

Fire protection equipment: According to the size of the fire, it may be necessary to use protective suits against the heat, individual breathing equipment, gloves, protective goggles or facemasks, and gloves.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Do not breathe vapors or dusts. Evacuate the danger area.

For emergency responders

For exposure control and individual protection measures, see section 8.

6.2 Environmental precautions

Do not allow it to enter the drainage system. Avoid pollution of the soil, water supplies and drains.

6.3 Methods and material for containment and cleaning up

The contaminated area should be immediately cleaned with an appropriate de-contaminator. Store away from other materials. Collect spillage.

6.4 Reference to other sections

For later elimination of waste, follow the recommendations under section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

The product does not require special handling measures. Ensure good ventilation and renewal of the air in the premises. Do not eat, drink or smoke when using this product.

7.2 Conditions for safe storage, including any incompatibilities

The product does not require special storage measures. Well sealed containers. Away from sources of ignition and heat.

7.3 Specific end use(s)

None.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

The product does NOT contain substances with Professional Exposure Environmental Limit Values.

The product does NOT contain substances with Biological Limit Values.

8.2 Exposure controls

Personal protection equipment

Eye/face protection

Wear suitable eye equipment protection. Recommended DIN EN 166 and Must comply with Australian Standards AS 1337 and be selected and used in accordance with AS 1336.

Skin protection

Wear suitable protective clothing, Recommended EN 374 and Must comply with Australian Standards AS 2161

Wear appropriate clothing.

Respiratory protection

Wear approved mask. Must comply with Australian Standards 1716 - Respiratory Protective Devices and be selected in accordance with AS 1715

Control of environmental exposure

Do not let product enter drains.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance:	Solid.
Colour:	White crystalline powder.
Odour:	Odourless.
Odour threshold:	No data available.
pH value:	5.4-8 (5%, 20^{o}C)
Melting Point:	770^{o}C
Boiling Point:	1500^{o}C
Flash point:	No data available.
Flammability (solid, gas) :	No data available.
Evaporation rate :	No data available.
Vapour pressure:	No data available.
Vapour density :	No data available.
Lower Explosive Limit:	No data available.
Upper Explosive Limit:	No data available.
Solubility:	330 g/l (20^{o}C)
Density:	1.984 g/cm^{3}
Relative density:	No data available.
Log Pow octanol / water at 20°C	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:	No data available.

9.2 Other information

None.

SECTION 10: Stability and reactivity

10.1 Reactivity

The product does not present hazards by their reactivity.

10.2 Chemical stability

Stable under the recommended handling and storage conditions.

10.3 Possibility of hazardous reactions

The product does not present possibility of hazardous reactions.

10.4 Conditions to avoid

Avoid any improper handling.

10.5 Incompatible materials

Keep away from strong oxidizing agents, strong acids ans strong alkalis.

10.6 Hazardous decomposition products

No decomposition if used for the intended uses.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

No information available.

Skin corrosion/irritation

No information available.

Serious eye damage/eye irritation

No information available.

Respiratory or skin sensitisation
No information available.
Germ cell mutagenicity
No information available.
Carcinogenicity
No information available.
Reproductive toxicity
No information available.
STOT-single exposure
No information available.
STOT-repeated exposure
No information available.
Aspiration hazard
No information available.

11.2 Information on other hazards
No information available.

SECTION 12: Ecological information

12.1 Toxicity
Toxicity to fish
LC50 Pimephales promelas : 880 mg/l ; 96 h
Toxicity to daphnia and other aquatic invertebrates
EC50 Daphnia magna : 660 mg/l ; 48 h
Toxicity to algae
IC50 Nitscheria linearis : 1337 mg/l ; 120 h

12.2 Persistence and degradability
Biodegradable.

12.3 Bioaccumulative potential
No information available.

12.4 Mobility in soil
No information available.

12.5 Results of PBT and vPvB assessment
No information available.

12.6 Other adverse effects
No information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods
Product/Packaging disposal
Avoid release to the environment. Dispose in a safe manner in accordance with local/national regulations.

SECTION 14: Transport information

14.1 UN number
No information available.

14.2 UN proper shipping name
ADR: No information available.
IMDG: No information available.
ICAO: No information available.

14.3 Transport hazard class(es)
No information available.

14.4 Packing group.
No information available.

14.5 Environmental hazards
No information available.

14.6 Special precautions for user

None

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

No information available.

SECTION 15: Regulatory information

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

Australian Inventory of Chemical Substances (AICS)
Ensure all national/local regulations are observed.
IATA, Dangerous Goods Regulations (DGR)
IMO, International Maritime Dangerous Goods Code (IMDG)
Safety Data Sheet according to Regulation (EC) No. 1907/2006
Standard for the Uniform Scheduling of Medicines and Poisons, Commonwealth of Australia.
Safe Work Australia WHS Regulation.

15.2 Chemical safety assessment

No information available.

SECTION 16: Other information

16.1 Abbreviations and acronyms

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
EC50: Effective concentration, 50%
IATA: International Air Transport Association
ICAO: International Civil Aviation Organization
IC50: Inhibitory Concentration, 50%
LC50: Lethal concentration, 50%.
LD50: Lethal dose, 50%.
Log Pow: Logarithm of the partition octanol-water
PBT: persistent, bioaccumulative and toxic.
vPvB: very Persistent and very Bioaccumulative
STEL: Short term exposure limit
TWA: Time Weighted Average

16.2 Further information.

None.

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