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ReAgent

POTASSIUM CHLORIDE LRG MSDS

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME	POTASSIUM CHLORIDE LRG
CAS-No.	7447-40-7
EC No.	231-211-8
SUPPLIER	Reagent Chemical Services 18 Aston Fields Road Whitehouse Industrial Estate Runcorn Cheshire WA7 3DL T: 01928 716903 F: 01928 716425 E: info@reagent.co.uk
PRODUCT NO.	1734
APPLICATION	General chemical reagent

2 HAZARDS IDENTIFICATION

Not regarded as a health hazard under current legislation.

CLASSIFICATION (67/548) -

3 COMPOSITION/INFORMATION ON INGREDIENTS

EC No.	231-211-8
CAS-No.	7447-40-7

4 FIRST-AID MEASURES

INHALATION

Remove victim immediately from source of exposure. Provide rest, warmth and fresh air. In case of severe exposure or if any discomfort continues get medical attention.

INGESTION

Rinse mouth thoroughly. If casualty has ingested large amounts or if discomfort continues wash mouth thoroughly and obtain medical attention.

SKIN CONTACT

Wash skin thoroughly with soap and water. In serious cases remove contaminated clothing and obtain medical attention.

EYE CONTACT

Promptly wash eyes with plenty of water or eye wash solution while lifting the eyelids. If possible remove any contact lenses and continue to wash. Get medical attention if any discomfort continues.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

The product is non-combustible. Use fire-extinguishing media appropriate for surrounding materials.

PROTECTIVE MEASURES IN FIRE

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Wear protective clothing as described in Section 8 of this safety data sheet.

SPILL CLEAN UP METHODS

Avoid dust formation. Collect spillage in containers, seal securely and deliver for disposal according to local regulations. Flush area clean with lots of water. Be aware of potential for surfaces to become slippery. Large Spillages: Contain spillage with sand or earth. Treat as stated.

7 HANDLING AND STORAGE

POTASSIUM CHLORIDE LRG**USAGE PRECAUTIONS**

Avoid spilling, skin and eye contact.

STORAGE PRECAUTIONS

Store in tightly closed original container in a dry and cool place.

STORAGE CLASS

Chemical storage.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION**ENGINEERING MEASURES**

Provide adequate ventilation.

RESPIRATORY EQUIPMENT

Wear respirator if there is dust formation.

HAND PROTECTION

Wear protective gloves. Rubber or plastic

EYE PROTECTION

Wear safety glasses. Use tight fitting goggles if dust is generated.

OTHER PROTECTION

Wear suitable protective clothing as protection against splashing or contamination. Provide eyewash station and safety shower.

HYGIENE MEASURES

Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Wash promptly if skin becomes contaminated. When using do not eat, drink or smoke.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Solid		
COLOUR	White		
ODOUR	Odourless		
SOLUBILITY	Soluble in water.		
BOILING POINT (°C)	1413	MELTING POINT (°C)	790
RELATIVE DENSITY	1.98	BULK DENSITY	Approx 1 kg/l
pH-VALUE, DILUTED SOLUTION	5.5 - 8.5 @ 25 C 5% (50g/l)	SOLUBILITY VALUE (g/100g H ₂ O@20°C)	Approx. 35

10 STABILITY AND REACTIVITY**STABILITY**

Stable under normal temperature conditions.

11 TOXICOLOGICAL INFORMATION

TOXIC DOSE 1 - LD 50 2600 mg/kg (oral rat)

INHALATION

High concentrations of dust may irritate throat and respiratory system and cause coughing.

INGESTION

May cause nausea and vomiting. Ingestion of large amounts may be fatal.

EYE CONTACT

Irritating to eyes.

HEALTH WARNINGS

Although not classified as hazardous, the product should be treated with the care and attention appropriate to chemicals.

12 ECOLOGICAL INFORMATION**ECOTOXICITY**

Although not classified as environmentally hazardous, harmful effects cannot be excluded in the event of improper handling or disposal.

LC 50, 96 Hrs, FISH mg/l	920 (Gaffinis)
EC 50, 48 Hrs, DAPHNIA, mg/l	825
IC 50, 72 Hrs, ALGAE, mg/l	2500 (Desmodesmus subspicatus)

13 DISPOSAL CONSIDERATIONS**DISPOSAL METHODS**

Dispose of waste and residues in accordance with local authority requirements.

