# POTASSIUM CARBONATE MSDS

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

<table>
<thead>
<tr>
<th>PRODUCT NAME</th>
<th>POTASSIUM CARBONATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS-No.</td>
<td>584-08-7</td>
</tr>
<tr>
<td>EC No.</td>
<td>209-529-3</td>
</tr>
<tr>
<td>SUPPLIER</td>
<td>Reagent Chemical Services</td>
</tr>
<tr>
<td></td>
<td>18 Aston Fields Road</td>
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<tr>
<td></td>
<td>Whitehouse Industrial Estate</td>
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<td></td>
<td>Runcorn</td>
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<td></td>
<td>Cheshire WA7 3DL</td>
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<tr>
<td></td>
<td>T: 01928 716903</td>
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<tr>
<td></td>
<td>F: 01928 716425</td>
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<tr>
<td></td>
<td>E: <a href="mailto:info@reagent.co.uk">info@reagent.co.uk</a></td>
</tr>
<tr>
<td>PRODUCT NO.</td>
<td>C0203</td>
</tr>
<tr>
<td>APPLICATION</td>
<td>General chemical reagent</td>
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</tbody>
</table>

## 2 HAZARDS IDENTIFICATION

Irritating to eyes, respiratory system and skin.

**CLASSIFICATION (67/548)**  Xi;R36/37/38.

## 3 COMPOSITION/INFORMATION ON INGREDIENTS

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## 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. Get medical attention.

**SKIN CONTACT**
Remove contaminated clothing and wash before re-use. Flush skin thoroughly with water. In serious cases or if discomfort continues 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.

## 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**
Small Spillages: Mix with sand. Large Spillages: Contain and mix spillage with sand or earth. Collect spillage in containers, seal securely and deliver for disposal according to local regulations. Wash spillage site well with water and detergent, be aware of the potential for surfaces to become slippery. Wash thoroughly after dealing with a spillage.

## 7 HANDLING AND STORAGE
POTASSIUM CARBONATE

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING MEASURES
Provide adequate ventilation and appropriate extraction when dusts are generated. Work in fume cupboard.

RESPIRATORY EQUIPMENT
In case of inadequate extraction or ventilation wear suitable dust respirator.

HAND PROTECTION
Wear protective gloves. Rubber or plastic.

EYE PROTECTION
Wear goggles/face shield.

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

<table>
<thead>
<tr>
<th>PROPERTY</th>
<th>VALUE</th>
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<tbody>
<tr>
<td>APPEARANCE</td>
<td>Solid</td>
</tr>
<tr>
<td>COLOUR</td>
<td>White</td>
</tr>
<tr>
<td>ODOUR</td>
<td>Odourless</td>
</tr>
<tr>
<td>SOLUBILITY</td>
<td>Very soluble in water.</td>
</tr>
<tr>
<td>MELTING POINT (°C)</td>
<td>891</td>
</tr>
<tr>
<td>BULK DENSITY</td>
<td>~ 0.75 kg/l</td>
</tr>
<tr>
<td>SOLUBILITY VALUE (g/100g H2O@20°C)</td>
<td>Approx. 112g</td>
</tr>
<tr>
<td>RELATIVE DENSITY</td>
<td>2.4 20</td>
</tr>
<tr>
<td>pH-VALUE, DILUTED SOLUTION</td>
<td>11.5 - 12.5% (50 g/l)</td>
</tr>
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10 STABILITY AND REACTIVITY

STABILITY
Moisture sensitive.

MATERIALS TO AVOID
Acids. Alkaline earth metals in powdered form

11 TOXICOLOGICAL INFORMATION

<table>
<thead>
<tr>
<th>TOXICITY</th>
<th>CONC.</th>
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<tbody>
<tr>
<td>TOXIC DOSE 1 - LD 50</td>
<td>2000 mg/kg (oral rat)</td>
</tr>
<tr>
<td>TOXIC CONC. - LC 50</td>
<td>500 mg/m3 (inh. rab.)</td>
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</table>

INHALATION
Irritation of mucous membranes and coughing

INGESTION
Irritation of the mouth, the oesophagus and the gastrointestinal tract.

SKIN CONTACT
Irritating to skin.

EYE CONTACT
Irritating to eyes.

12 ECOLOGICAL INFORMATION

ECOTOXICITY
Although not classified as environmentally hazardous, harmful effects cannot be excluded in the event of improper handling or disposal. Harmful effect due to pH shift. Do not allow to enter drinking water, waste water or soil.

13 DISPOSAL CONSIDERATIONS
POTASSIUM CARBONATE

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

14 TRANSPORT INFORMATION

GENERAL
The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).
No transport warning sign required.

15 REGULATORY INFORMATION

LABELLING

RISK PHRASES
R36/37/38 Irritating to eyes, respiratory system and skin.

SAFETY PHRASES
S22 Do not breathe dust.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

STATUTORY INSTRUMENTS
Chemicals (Hazard Information and Packaging) Regulations. Control of Substances Hazardous to Health.

APPROVED CODE OF PRACTICE
Classification and Labelling of Substances and Preparations Dangerous for Supply. COSHH essentials: Easy steps to control chemicals. Control of Substances Hazardous to Health Regulations.

GUIDANCE NOTES
Workplace Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37.

NATIONAL REGULATIONS
Control of Substances Hazardous to Health Regulations 2002 (as amended)

16 OTHER INFORMATION

GENERAL INFORMATION
Under REACH Material Safety Datasheets (MSDS) are referred to as Safety Datasheets (SDS).

REVISED COMMENTS
This is first issue.

REVISED DATE 21/01/2008

REV. NO./REPL. SDS GENERATED 1

SDS NO. 20710

SAFETY DATA SHEET STATUS
Approved.