

## SAFETY DATA SHEET

### Potassium Carbonate

Page 1  
Issued: 07/02/2022  
Revision No: 1

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

**Product identifier:**

**Product:** Potassium Carbonate  
**CAS No:** 548-08-7  
**EC No:** 209-529-3  
**REACH registration No:** 01-2119532646-36-XXXX

**Company name:** Nexchem Ltd  
 Unit 3 Barshaw Park  
 Leycroft Road  
 Leicester  
 LE4 1ET  
 Tel: 0116 2311130  
 24/7 Emergency Tel: 0800 246 1274  
 Email: [sales@nexchem.co.uk](mailto:sales@nexchem.co.uk)

#### 2. HAZARDS IDENTIFICATION

**Classification of the substance or mixture:**

**Main hazards:** Irritating to eyes, respiratory system and skin.  
 Classification – EC 1272/2008  
 Skin Irrit. 2, H315  
 Eye Irrit. 2, H319  
 STOT Single Exp.3 H335

**Label elements:**

**Hazard pictograms:**



**Signal Word:** WARNING

**Hazard statements:** Skin Irrit. 2, H315: Causes skin irritation.  
 Eye Irrit. 2, H319: Causes serious eye irritation.  
 STOT Single Exp.3 H335: May cause respiratory irritation.

## SAFETY DATA SHEET

Potassium Carbonate

Issued: 07/02/2022

Page 2

### Precautionary statements:

#### Prevention:

P261: Avoid breathing dust/fume/mist/vapours/spray.  
P264: Wash thoroughly after handling.  
P271: Use only outdoors or in a well-ventilated area.  
P280: Wear protective gloves/protective clothing/eye protection/ face protection.

#### Response:

P302+P352: IF ON SKIN: Wash with plenty of water.  
P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P312: Call a POISON CENTER/doctor/ if you feel unwell.  
P321: Specific treatment (see on this label).  
P332+P313: If skin irritation occurs: Get medical advice/attention.  
P337+P313: If eye irritation persists: Get medical advice/attention.

#### Storage:

P403+ P233: Store in a well-ventilated place. Keep container tightly closed.  
P405: Store locked up.

#### Disposal:

P501: Dispose of contents/container to waste collection or recycling, after thorough rinsing, if in compliance with local and national regulations.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

#### Substances:

EC 1272/2008 Chemical name	CAS No.	EC No.	REACH Registration Number	Concentration %	Classification
Potassium Carbonate	584-08-7	209-529-3	01-2119532646-36-XXXX		Skin Irrit 2, H315 Eye Irrit 2, H319 STOT SE 3, H335

### 4. FIRST AID MEASURES

#### Description of first aid measures:

##### Skin contact:

Causes skin irritation. May cause dermatitis. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.

##### Inhalation:

May cause irritation to respiratory system. Inhalation may cause nausea and vomiting. May cause dizziness and headache. Move the exposed person to fresh air. Seek medical attention.

##### Ingestion:

Harmful if swallowed. Ingestion may cause nausea and vomiting. Ingestion is irritating to the respiratory tract and may cause damage to the central nervous system. DO NOT INDUCE VOMITING. If swallowed, seek medical advice immediately and show this container or label.

##### Eye contact:

Causes serious eye irritation. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.

[cont...]

## SAFETY DATA SHEET

Potassium Carbonate

Issued: 07/02/2022

Page 3

### Most important symptoms and effects, both acute and delayed:

<b>Inhalation:</b>	May cause irritation to respiratory system.
<b>Eye contact:</b>	Causes serious eye irritation.
<b>Skin contact:</b>	Causes skin irritation.
<b>Ingestion:</b>	Harmful if swallowed. Ingestion is irritating to the respiratory tract and may cause damage to the central nervous system. Ingestion may cause nausea and vomiting. May cause irritation to mucous membranes.

### Indication of any immediate medical attention and special treatment needed:

<b>Inhalation:</b>	May cause irritation to respiratory system. Remove the affected person from the source of contamination immediately. Seek medical attention if irritation or symptoms persist.
<b>Eye contact:</b>	Causes serious eye irritation. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention if irritation or symptoms persist.
<b>Skin contact:</b>	Causes skin irritation. After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of soap and water. Wash all contaminated clothing before reuse. Seek medical attention if irritation or symptoms persist.
<b>Ingestion:</b>	Harmful if swallowed. If SWALLOWED: rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. If swallowed, seek medical advice

## 5. FIRE-FIGHTING MEASURES

<b>Extinguishing media:</b>	Use extinguishing media appropriate to the surrounding fire conditions. Do not allow runoff water to enter sewers or drains.
-----------------------------	------------------------------------------------------------------------------------------------------------------------------

**Special hazards arising from the substance or mixture:** Burning produces irritating, toxic and obnoxious fumes.

<b>Advice for fire fighters:</b>	Wear suitable respiratory equipment when necessary.
----------------------------------	-----------------------------------------------------

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures:** Wear suitable protective equipment.

<b>Environmental precautions:</b>	Do not allow product to enter drains. Prevent further spillage if safe.
-----------------------------------	-------------------------------------------------------------------------

**Methods and material for containment and cleaning up:** Clean spillage area thoroughly with plenty of water.  
Clean the area using a vacuum cleaner.

## 7. HANDLING AND STORAGE

<b>Precautions for safe handling:</b>	Avoid contact with eyes and skin. Adopt best Manual Handling considerations when handling, carrying and dispensing.
---------------------------------------	------------------------------------------------------------------------------------------------------------------------

**Conditions for safe storage, including any incompatibilities:** Keep in a cool, dry, well-ventilated area.

Keep containers tightly closed.

<b>Suitable packaging:</b>	Plastic containers.
----------------------------	---------------------

[cont...]

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION****Exposure controls:**

**Individual protection measures:** Avoid contact with eyes and skin.

**Eye/face protection:** In case of splashing, wear: Eye protection.

**Skin protection – hand protection:** Chemical resistant gloves (PVC).

**Respiratory protection:** Wear suitable protective equipment.

**9. PHYSICAL AND CHEMICAL PROPERTIES****Information on basic physical and chemical properties:**

<b>Appearance:</b>	Solid/Granules.
<b>Colour:</b>	White
<b>Odour:</b>	Odourless
<b>Odour threshold:</b>	No data available
<b>pH:</b>	11.6
<b>Melting point:</b>	891°C
<b>Initial boiling point:</b>	No data available
<b>Flash point:</b>	Not applicable
<b>Evaporation rate:</b>	No data available
<b>Flammability (solid/gas):</b>	Not applicable
<b>Vapour pressure:</b>	No data available
<b>Vapour density:</b>	No data available
<b>Relative density:</b>	2.43
<b>Solubility:</b>	Soluble in water
<b>Partition Coefficient:</b>	Not applicable
<b>Autoignition temperature:</b>	Not applicable
<b>Viscosity:</b>	No data available
<b>Explosive properties:</b>	Not applicable.

**Other information:**

<b>Conductivity:</b>	No data available
<b>Surface tension:</b>	No data available
<b>Gas group:</b>	No data available
<b>Benzene Content:</b>	No data available
<b>Lead content:</b>	No data available
<b>VOC (Volatile organic compounds):</b>	No data available

**10. STABILITY AND REACTIVITY**

**Reactivity:** Stable under normal conditions.

**Chemical stability:** Stable under normal conditions.

**Possibility of hazardous reactions:** No data is available on this product.

**Conditions to avoid:** Avoid formation of dust.

**Incompatible materials:** No data available.

**Hazardous decomposition products:** No data is available on this product.

**11. TOXICOLOGICAL INFORMATION****Information on toxicological effects:**

**Acute toxicity:** Irritating to eyes. Irritating to skin. May cause irritation to respiratory system.

**Skin corrosion/irritation:** Causes skin irritation.

**Serious eye damage/irritation:** Causes serious eye irritation.

**Respiratory or skin sensitisation:** May cause sensitisation by inhalation and skin contact.

**Germ cell mutagenicity:** No data is available on this product.

**Carcinogenicity:** No data is available on this product.

**Reproductive toxicity:** No data is available on this product.

**Toxicological Information:**

**Potassium Carbonate:** Oral Rat LD50: >2000 mg/kg  
Dermal Rabbit LD50: >2000 mg/kg  
Inhalation Rat LC50/4h: 4.96 mg/l

**12. ECOLOGICAL INFORMATION**

**Toxicity:** Fish LC50/96h: 68.0000 mg/l  
Daphnia EC50/48h: 200.0000 mg/l  
Rainbow trout LC50/96h: 68 mg/kg

No data is available on this product.

May cause long-term adverse effects in the aquatic environment.

**Bioaccumulative potential:**

**Partition coefficient:** Not applicable.

**Persistence (P-):** not P

**Bioaccumulation (B-):** not B

**Toxicity (T-):** not T

## SAFETY DATA SHEET

Potassium Carbonate

Issued: 07/02/2022

Page 6

### 13. DISPOSAL CONSIDERATIONS

<b>General information:</b>	Dispose of in compliance with all local and national regulations.
<b>Disposal methods:</b>	Do not empty into drains; dispose of this material and its container in a safe way. Contact a licensed waste disposal company.
<b>Disposal of packaging:</b>	Containers must be recycled in compliance with national legislation and environmental regulations.

### 14. TRANSPORT INFORMATION

<b>UN number:</b>	The product is not classified as dangerous for carriage.
<b>UN proper shipping name:</b>	The product is not classified as dangerous for carriage.
<b>Transport hazard class(es):</b>	The product is not classified as dangerous for carriage.
<b>Packing group:</b>	The product is not classified as dangerous for carriage.
<b>Environmental hazards:</b>	The product is not classified as dangerous for carriage.
<b>Special precautions for the user:</b>	The product is not classified as dangerous for carriage.
<b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:</b>	The product is not classified as dangerous for carriage.

### 15. REGULATORY INFORMATION

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

COMMISSION REGULATION (EU) 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

**Chemical Safety Assessment (CSA):** No data is available on this product.

**Note:** The regulatory information given above only indicates the principal regulations specifically Applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

[cont...]

**16. OTHER INFORMATION****Acronyms:**

@ - at  
< - less than  
> - more than  
ADR – European Agreement concerning the International Carriage of Dangerous Goods by Road  
CAS – Chemical Abstracts Service  
Cat. – Category  
CSA – Chemical Safety Assessment  
DNEL – Derived No-Effect Level  
EC – Effective Concentration  
EC OEL – European Commission Occupational Exposure Limit  
EINECS - European Inventory of Existing Commercial Chemical Substances  
GHS – Globally Harmonized System of Classification and Labelling of Chemicals  
H\*\* - Hazard Statements  
IATA – International Air Transport Association  
IMDG – International Maritime Code for Dangerous Goods  
L – Litre  
LC50 – Lethal Concentration, 50 percent  
LD50 – Lethal dose, 50 percent  
m<sup>3</sup> – metre cubed  
mg – milligram  
ml – millilitre  
n.o.s. – Not Otherwise Specified  
°C – degrees Centigrade  
P\*\* - Precautionary Statements  
PBT – Persistent, bio accumulative and Toxic  
pH – Potential of Hydrogen  
PNEC – Predicted No-Effect Level  
RID – Regulations Concerning the International Transport of Dangerous Goods by Rail  
SDS – Safety Data Sheet  
SG – specific gravity  
UN – United Nations  
vPvB – very Persistent, very Bio accumulative

**Legal disclaimer:**

The information contained in this SDS does not constitute a risk assessment, and should not replace the user's own assessment of risks as required by other health and safety legislation. This advice is given by Nexchem Ltd who accept no legal liability for it except otherwise provided by law. The information contained herein is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It should not therefore be construed as guaranteeing specific properties.