

Material Safety Data Sheet
POTASSIUM CARBONATE 99% min.

Section 1: Chemical Product and Company Identification

Product Name	POTASSIUM CARBONATE 99% min.
CAS#	584-08-7
Synonym	Pearl ash; Potash; Dipotassium Salt; Salt of tartar
Company	Cocreate Global Technologies Private Limited (Scimplify)
Registered address	L73, Attic Space, 15th Cross Road, Sector 6, HSR Layout, Bangalore Urban- 560102, Karnataka, India

Section 2: Hazards Identification

2.1 GHS classification of substance or mixture, and national or regional information

Physical hazards Not classified.

Health hazards Acute toxicity, oral Category 4

Serious eye damage/eye irritation Category 1

Environmental hazards Not classified.

2.2 GHS label elements

Hazard symbol(s)

Signal word Warning

Hazard statement(s)

H302 Harmful if swallowed.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

Precautionary statement(s)

Prevention

P270 Do not eat, drink or smoke when using this product.

P280 Wear eye protection/face protection.

P280 Wear protective gloves.

Response

P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

P302 + P352 IF ON SKIN: Wash with plenty of water.

P305 + P351 +

P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P330 Rinse mouth.

P332 + P313 If skin irritation occurs: Get medical advice/attention.

P337 + P313 If eye irritation persists: Get medical advice/attention.

P362 Take off contaminated clothing and wash before reuse.

Storage Store away from incompatible materials.

Disposal P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Other hazards which do not result in GHS classification None known.

Supplemental information None.

Section 3: Composition and Information on Ingredients

3.1 Substance

Chemical identity Common name and synonym CAS number and other unique identifiers Concentration or concentration range

Potassium carbonate Pearl ash; Potash; Dipotassium Salt; Salt of tartar IUPAC name: Dipotassium carbonate 584-08-7 ≥99

Section 4: First Aid Measures

4.1 Description of first-aid measures

Inhalation Move to fresh air.

Call a physician if symptoms develop or persist.

Skin contact Remove contaminated clothing.
Wash with plenty of soap and water.
If skin irritation occurs: Get medical advice/attention.
Wash contaminated clothing before reuse.
Eye contact Do not rub eyes.
Immediately flush eyes with plenty of water for at least 15 minutes.
Remove contact lenses, if present and easy to do.
Continue rinsing.
Get medical attention if irritation develops and persists.
If eye irritation persists: Get medical advice/attention.
Ingestion Rinse mouth.
If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.
Get medical advice/attention if you feel unwell.

4.2 Most important symptoms/effects, acute and delayed

Severe eye irritation.
Symptoms may include stinging, tearing, redness, swelling, and blurred vision.
Dusts may irritate the respiratory tract, skin and eyes.
Skin irritation.
May cause redness and pain.

4.3 Indication of immediate medical considerations and important specific treatment that should be performed

Provide general supportive measures and treat symptomatically.
Keep victim warm.
Keep victim under observation.
Symptoms may be delayed.
General advice Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.
Show this safety data sheet to the doctor in attendance.

Section 5: Fire and Explosion Data

5.1 Prohibited extinguishing media and suitable extinguishing media

Suitable extinguishing media Water fog. Foam. Dry chemical powder. Carbon dioxide (CO₂).
Unsuitable extinguishing media Not available.

5.2 Specific hazards arising from chemicals During fire, gases hazardous to health may be formed.

5.3 Special protective equipment and precautions for fire-fighters Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire fighting equipment/instructions Move containers from fire area if you can do so without risk. Use water spray to cool unopened containers.
General fire hazards No unusual fire or explosion hazards noted.

Section 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away.
Keep people away from and upwind of spill/leak.
Wear appropriate protective equipment and clothing during clean-up.
Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.
Ensure adequate ventilation.
Local authorities should be advised if significant spillages cannot be contained.
For personal protection, see section 8 of the SDS.

6.2 Environmental precautions Avoid discharge into drains, water courses or onto the ground.

6.3 Methods and materials for containment and cleaning up

Avoid the generation of dusts during clean-up.
Collect dust using a vacuum cleaner equipped with HEPA filter.
This product is miscible in water.
Stop the flow of material, if this is without risk.

Large Spills: Wet down with water and dike for later disposal. Shovel the material into waste container.
Following product recovery, flush area with water.

Small Spills: Sweep up or vacuum up spillage and collect in suitable container for disposal.
Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use.

For waste disposal, see section 13 of the SDS.

Section 7: Handling and Storage

7.1 Precautions for safe handling, use and storage

Minimize dust generation and accumulation.

Provide appropriate exhaust ventilation at places where dust is formed.

Do not taste or swallow.

Avoid contact with eyes, skin, and clothing.

When using, do not eat, drink or smoke.

Wear appropriate personal protective equipment.

Wash hands thoroughly after handling.

Observe good industrial hygiene practices.

Practice good housekeeping.

7.2 Conditions for safe storage, including any incompatibilities

Store locked up.

Store in tightly closed container.

Store in a well-ventilated place.

Store away from incompatible materials (see Section 10 of the SDS).

Section 8: Exposure Controls / Personal Protection

8.1 Control parameters

Occupational exposure limits No exposure limits noted for ingredient(s).

Biological limit values No biological exposure limits noted for the ingredient(s).

8.2 Appropriate engineering controls

Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

If material is ground, cut, or used in any operation which may generate dusts, use appropriate local exhaust ventilation to keep exposures below the recommended exposure limits.

Provide eyewash station and safety shower.

8.3 Personal protective measures

Eye/face protection Wear safety glasses with side shields (or goggles). Face shield is recommended. If contact is likely, safety glasses with side shields are recommended.

Skin protection

Hand protection Wear appropriate chemical resistant gloves. For prolonged or repeated skin contact use suitable protective gloves.

Other protection Wear appropriate chemical resistant clothing.

Respiratory protection Wear respirator with dust filter.

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations Keep away from food and drink.

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

Section 9: Physical and Chemical Properties

9.1 Appearance

Physical state Solid.

Form Granular.

Color white.

9.2 Odor Odorless.

9.3 Odor threshold limit Not available.

9.4 pH > 11 - < 13 (solution 5%)

9.5 Melting point/freezing point 1635.8 °F (891 °C)

9.6 Initial boiling point and boiling range Not available.

9.7 Flash point Not available.

9.8 Evaporation rate Not available.

9.9 Flammability (solid, gas) Not available.

9.10 Upper/lower flammability or explosive limits

Explosive limit - lower (%) Not available.

Explosive limit - upper (%) Not available.

9.11 Vapor pressure Not available.

9.12 Vapor density Not available.

9.13 Relative density 2.29 g/cm³

9.14 Solubility(ies)

Solubility (water) 112 g/100ml (20°C)

9.15 Partition coefficient: n-octanol/water Not available.

9.16 Auto-ignition temperature Not available.

9.17 Decomposition temperature Not available.

9.18 Viscosity Not available.

Other information

Explosive properties Not explosive.

Molecular formula CO₃.K₂

Molecular weight 138.21 g/mol

Oxidizing properties Not oxidizing.

Section 10: Stability and Reactivity Data

10.1 Reactivity The solution in water is a medium strong base. Reacts with powdered metals.

10.2 Chemical stability Material is stable under normal conditions.

10.3 Possibility of hazardous reactions Exothermic reaction with acids; evolution of Carbon dioxide.

10.4 Conditions to avoid Moisture, water. Hygroscopic: absorbs moisture or water from the air.

10.5 Incompatible materials Acids, Magnesium.

10.6 Hazardous decomposition products No data available.

Section 11: Toxicological Information

11.1 Information on likely routes of exposure

Inhalation Dust may irritate respiratory system. No adverse effects due to inhalation are expected.

Skin contact Causes skin irritation.

Eye contact Causes serious eye irritation.

Draize Result: Index 63.2 Species: Rabbit

Ingestion Harmful if swallowed. Expected to be a low ingestion hazard.

11.2 Symptoms related to physical, chemical and toxicological characteristics

Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Dusts may irritate the respiratory tract, skin and eyes.

Skin irritation. May cause redness and pain.

11.3 Delayed and immediate effects, including chronic effects from short- and long-term exposure Not available.

Section 12: Ecological Information

12.1 Ecological toxicity The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Product Species Test Results

Potassium carbonate (CAS 584-08-7)

Aquatic

Acute

Fish LC50 Fathead minnow (*Pimephales promelas*) < 750 mg/L, 96 hours

12.2 Persistence and degradability No data is available on the degradability of this substance.

12.3 Bioaccumulative potential No data available.

12.4 Mobility in soil No data available

12.5 Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

Section 13: Disposal Considerations

Disposal instructions Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.

Local disposal regulations Dispose in accordance with all applicable regulations.

Waste from residues / unused products Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

Section 14: Transport Information

ADR Not regulated as dangerous goods.

IATA Not regulated as dangerous goods.

IMDG Not regulated as dangerous goods.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

Section 15: Other Regulatory Information

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

Hazardous substances in the work place (DLPW Notification Re: List of Hazardous Chemicals, Royal Gazette, Vol. 130 Part 185 Ngor, issued December 20, B.E.2556 (2013)) Not listed.

Thailand. Explosive Substances & Precursors (Ministry of Defense Notification Re: Arms Subject to Imports License) Not regulated.

Thailand. Reportable Hazardous Substances (Notification of Ministry of Industry Re: Bases respecting report of quantity of hazardous materials under Department of Industrial Works, B.E. 2547) Not regulated.

International Inventories

Country(s) or region Inventory name On inventory (yes/no)*

Australia Australian Inventory of Industrial Chemicals (AICIS) Yes

Canada Domestic Substances List (DSL) Yes

Canada Non-Domestic Substances List (NDSL) No

China Inventory of Existing Chemical Substances in China (IECSC) Yes

Europe European Inventory of Existing Commercial Chemical Substances (EINECS) Yes

Europe European List of Notified Chemical Substances (ELINCS) No

Japan Inventory of Existing and New Chemical Substances (ENCS) Yes

Korea Existing Chemicals List (ECL) Yes

New Zealand New Zealand Inventory Yes

Philippines Philippine Inventory of Chemicals and Chemical Substances (PICCS) Yes

Taiwan Taiwan Chemical Substance Inventory (TCSI) Yes

United States & Puerto Rico Toxic Substances Control Act (TSCA) Inventory Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

Section 16: Other Information

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Disclaimer :

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