



# Gujarat Alkalies and Chemicals Ltd.

## Vadodara

SECTION 1: Product and Company Identification			
<b>Name</b>	<b>POTASSIUM CARBONATE</b>		
<b>Company</b>	M/s Gujarat Alkalies and Chemicals Limited, P.O. Petrochemicals, Dist.: - Vadodara, Gujarat (India), Pin Code: 391346		
<b>Synonyms</b>	Potash; Pearl ash; Dipotassium salt of carbonic acid		
<b>Emergency Contact Details</b>	Phone no.	09979897101, 09879604102	
	E-mail	headmarketing@gacl.co.in ccr@gacl.co.in	
SECTION 2: Hazards Identification			
<b>Emergency Overview</b>			
	Warning Causes skin irritation Causes serious eye irritation May cause respiratory irritation		
<b>Potential Health Effects</b>			
<b>Inhalation</b>	Acute toxicity,		
<b>Skin</b>	Skin irritation		
<b>Eyes</b>	Eye irritation		
<b>Ingestion</b>	Specific target organ toxicity - single exposure		
<b>Disposal</b>	Dispose of contents/container to an approved waste disposal plant		
SECTION 3: Composition/information on ingredients			
<b>Component</b>	<b>CAS-No.</b>	<b>EC-No.</b>	<b>Weight %</b>
Potassium Carbonate	584-08-7	209-529-3	~ 100%
SECTION 4: First Aid Measures			
<b>Inhalation</b>	Move to fresh air. If breathing is difficult, give oxygen. If symptoms arise, call a physician.		
<b>Skin</b>	Wash off immediately with plenty of water for at least 15 minutes. Get medical attention if symptoms occur.		
<b>Eyes</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention if symptoms occur.		
<b>Ingestion</b>	Do not induce vomiting. Get medical attention if symptoms occur.		
<b>Most important symptoms/effects</b>	No information available.		
<b>Notes to Physician</b>	Treat symptomatically.		
SECTION 5: Fire Fighting Measures			
<b>Suitable Extinguishing Media</b>	Substance is non-flammable; use agent most appropriate to extinguish surrounding fire.		
<b>Flash Point</b>	No data available	<b>Explosion Limits</b>	
<b>Auto ignition Temperature</b>	No data available	<b>Upper</b>	No data available
		<b>Lower</b>	No data available
<b>Hazardous Combustion Products</b>	Potassium oxides Carbon monoxide (CO) Carbon dioxide (CO <sub>2</sub> )		
<b>Specific Hazards Arising from the Chemical</b>	Non-combustible, substance itself does not burn but may decompose upon heating to produce corrosive and/or toxic fumes.		
<b>NFPA: Health: 2</b>	<b>Flammability: 0</b>	<b>Instability: 1</b>	<b>Physical hazards: NA</b>

<b>SECTION 6: Accidental Release Measures</b>			
<b>Personal Precautions</b>	Use personal protective equipment. Ensure adequate ventilation. Avoid dust formation. Avoid contact with skin, eyes and clothing.		
<b>Environmental precautions</b>	Do not let product enter drains. Avoid release to the environment.		
<b>Methods and materials for containment and cleaning up</b>	Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.		
<b>SECTION 7: Handling and Storage</b>			
<b>Handling</b>	Wear personal protective equipment. Ensure adequate ventilation. Avoid dust formation. Avoid contact with skin and eyes. Do not breathe dust. Do not ingest.		
<b>Storage</b>	Keep containers tightly closed in a dry, cool and well-ventilated place.		
<b>SECTION 8: Exposure Controls/Personal Protection</b>			
<b>Exposure Guidelines:</b>			
	<b>Component</b>	<b>OSHA PEL</b>	<b>ACGIH</b>
	Potassium Carbonate	NA	NA
<b>Engineering Measures</b>	Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to the workstation location.		
<b>Personal Protective Equipment</b>			
<b>Eye/face Protection</b>	Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards.		
<b>Skin and body protection</b>	Wear appropriate protective gloves and clothing to prevent skin exposure.		
<b>Respiratory Protection</b>	Used approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.		
<b>SECTION 9: Physical and Chemical Properties</b>			
<b>Appearance</b>	White Powder with lumps	<b>Water solubility</b>	1120 g/L water (20°C) completely soluble
<b>Odour</b>	Odourless	<b>Auto-ignition temperature</b>	No data available
<b>pH</b>	11.5-12 50 g/l aq. sol	<b>Viscosity</b>	No data available
<b>Melting point/freezing Point</b>	891 °C	<b>Flammability (solid, gas)</b>	No data available
<b>Initial boiling point and boiling range</b>	No data available	<b>Decomposition temperature</b>	No data available
<b>Vapour pressure</b>	No data available	<b>Relative density</b>	2.43 g/ml @ 25 °C
<b>Vapour density</b>	No data available	<b>Oxidizing properties</b>	No data available
<b>SECTION 10: Stability and Reactivity</b>			
<b>Reactive Hazard</b>	No data available		
<b>Stability</b>	Stable under recommended storage conditions. Hygroscopic.		
<b>Conditions to Avoid</b>	Avoid dust formation. Incompatible products. Exposure to moisture.		
<b>Incompatible Materials</b>	Acids, Strong oxidizing agents		
<b>Hazardous Decomposition Products</b>	Potassium oxides, Carbon monoxide (CO), Carbon dioxide (CO <sub>2</sub> )		
<b>Hazardous Polymerization</b>	Hazardous polymerization does not occur.		
<b>Hazardous Reactions</b>	None under normal processing.		
<b>SECTION 11: Toxicological Information</b>			
<b>Acute toxicity</b>	LD <sub>50</sub> Oral - Rat - 1,870 mg/kg (Potassium carbonate) Inhalation: Irritating to respiratory system. (Potassium carbonate).		
<b>Carcinogenicity</b>	ACGIH: Not listed		OSHA: Not listed

<b>SECTION 12: Ecological Information</b>	
<b>Eco toxicity</b>	Toxicity to fish LC <sub>50</sub> - Pimephales promelas (fathead minnow) - < 510 mg/l - 96 h.
<b>Other</b>	Do not empty into drains.
<b>SECTION 13: Disposal Considerations</b>	
<b>Waste treatment methods</b>	
<b>Product</b>	Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.
<b>Contaminated packaging</b>	Dispose of as unused product.
<b>SECTION 14: Transport Information</b>	
<b>UN number</b>	Not regulated
<b>UN proper shipping name</b>	Not dangerous goods
<b>Transport hazard class</b>	Not regulated
<b>Packaging group</b>	NA
<b>Environmental hazards</b>	IMDG Marine pollutant: No
<b>SECTION 15: Regulatory Information</b>	
<b>Safety, health and environmental regulations/legislation specific for the substance or mixture</b>	
This safety datasheet complies with the requirements of Regulation.	
<b>Chemical safety assessment</b>	
For this product a chemical safety assessment was not carried out	
<b>SECTION 16: Other Information</b>	
<p>Disclaimer</p> <p>The information provided on this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.</p>	