




Gujarat Alkalies and Chemicals Ltd.
Vadodara

SECTION 1: Product and Company Identification	
Name	POTASSIUM CARBONATE
Company	M/s. Gujarat Alkalies and Chemicals Limited, P.O. Petrochemicals, Dist.: -Vadodara, Gujarat (India), Pin Code: 391346.
Synonyms	Potash; Pearl ash; Dipotassium salt of carbonic acid
Emergency Telephone Number	09979897101, (0265) 2230384, (0265) 6540460. Fax No. 0265-2232130

SECTION 2: Hazards Identification	
Emergency Overview	
	Warning Causes skin irritation Causes serious eye irritation May cause respiratory irritation
Potential Health Effects	
Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing Call a doctor/physician if you feel unwell.
Skin	Wash with plenty of soap and water If skin irritation occurs: Get medical advice/attention Take off contaminated clothing and wash before reuse.
Eyes	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing If eye irritation persists: Get medical advice/attention
Ingestion	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
Disposal	Dispose of contents/container to an approved waste disposal plant

SECTION 3: Composition/information on ingredients			
Component	CAS-No.	EC-No.	Weight %
Potassium Carbonate	584-08-7	209-529-3	~ 100%

SECTION 4: First Aid Measures	
Inhalation	Move to fresh air. If breathing is difficult, give oxygen. If symptoms arise, call a physician.
Skin	Wash off immediately with plenty of water for at least 15 minutes. Get medical attention if symptoms occur.
Eyes	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention if symptoms occur.
Ingestion	Do not induce vomiting. Get medical attention if symptoms occur.
Most important symptoms/effects	No information available.
Notes to Physician	Treat symptomatically.

SECTION 5: Fire Fighting Measures			
Suitable Extinguishing Media	Substance is non-flammable; use agent most appropriate to extinguish surrounding fire.		
Flash Point	No data available	Explosion Limits	
Auto ignition Temperature	No data available	Upper	No data available
		Lower	No data available
Hazardous Combustion Products	Potassium oxides Carbon monoxide (CO) Carbon dioxide (CO ₂)		
Specific Hazards Arising from the Chemical	Non-combustible, substance itself does not burn but may decompose upon heating to produce corrosive and/or toxic fumes.		
NFPA: Health: 2	Flammability:	Instability: 1	Physical hazards: NA

SECTION 6: Accidental Release Measures	
Personal Precautions	Use personal protective equipment. Ensure adequate ventilation. Avoid dust formation. Avoid contact with skin, eyes and clothing.
Environmental precautions	Do not let product enter drains. Avoid release to the environment.
Methods and materials for containment and cleaning up	Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

SECTION 7: Handling and Storage	
Handling	Wear personal protective equipment. Ensure adequate ventilation. Avoid dust formation. Avoid contact with skin and eyes. Do not breathe dust. Do not ingest.
Storage	Keep containers tightly closed in a dry, cool and well-ventilated place.

SECTION 8: Exposure Controls/Personal Protection		
Exposure Guidelines:		
Component	OSHA PEL	ACGIH
Potassium Carbonate	NA	NA
Engineering Measures	Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to the workstation location.	
Personal Protective Equipment		
Eye/face Protection	Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards.	
Skin and body protection	Wear appropriate protective gloves and clothing to prevent skin exposure.	
Respiratory Protection	Used approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.	

SECTION 9: Physical and Chemical Properties			
Appearance	white Powder with lumps	Water solubility	138 g/l at 20 °C - completely soluble
Odour	Odourless	Auto-ignition temperature	No data available
pH	11.5-12 50 g/l aq. sol	Viscosity	No data available
Melting point/freezing Point	891 °C	Flammability (solid, gas)	No data available
Initial boiling point and boiling range	No data available	Decomposition temperature	No data available
Vapour pressure	No data available	Relative density	2.43 g/ml @ 25 °C
Vapour density	No data available	Oxidizing properties	No data available

SECTION 10: Stability and Reactivity	
Reactive Hazard	No data available
Stability	Stable under recommended storage conditions. Hygroscopic.
Conditions to Avoid	Avoid dust formation. Incompatible products. Exposure to moisture.
Incompatible Materials	Acids, Strong oxidizing agents
Hazardous Decomposition Products	Potassium oxides, Carbon monoxide (CO), Carbon dioxide (CO ₂)
Hazardous Polymerization	Hazardous polymerization does not occur.
Hazardous Reactions	None under normal processing.

SECTION 11: Toxicological Information	
Acute toxicity	LD ₅₀ Oral - Rat - 1,870 mg/kg (Potassium carbonate) Inhalation: Irritating to respiratory system. (Potassium carbonate).
Carcinogenicity	ACGIH: Not listed OSHA: Not listed

SECTION 12: Ecological Information	
Eco toxicity	Toxicity to fish LC ₅₀ - Pimephales promelas (fathead minnow) - < 510 mg/l - 96 h.
Other	Do not empty into drains.

SECTION 13: Disposal Considerations	
Waste treatment methods	
Product	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.
Contaminated packaging	Dispose of as unused product.

SECTION 14: Transport Information	
UN number	Not regulated
UN proper shipping name	Not dangerous goods
Transport hazard class	Not regulated
Packaging group	
Environmental hazards	IMDG Marine pollutant: No

SECTION 15: Regulatory Information	
Safety, health and environmental regulations/legislation specific for the substance or mixture	
This safety datasheet complies with the requirements of Regulation.	
Chemical safety assessment	
For this product a chemical safety assessment was not carried out	

SECTION 16: Other Information	
Disclaimer	
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.	