



# The Andhra Sugars Limited.

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**The Andhra Sugars Limited.**

## POTASSIUM CARBONATE



<b>S No.</b>	<b>Characteristic</b>	<b>Description</b>
1.	Technical Name	Potassium Carbonate
2.	Chemical Formula	$K_2CO_3$
3.	Formation	Powder/Granules
4.	CAS Registry No.	584-08-7
5.	HSN	2836



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## PRODUCT DESCRIPTION

S No.	Characteristics	Limit	Value
1.	Assay as $K_2CO_3$ , (% by mass)	Min	99.00
2.	Free Alkalis as KOH, (% by mass)	Max	0.20
3.	Residue on Evaporation	Bicarbonate as $KHCO_3$ , (% by mass)	0.40
4.	Chlorides as KCl, (% by mass)	Max	0.10
5.	Iron as Fe, (% by mass)	Max	0.005
6.	Loss on drying @ $150^\circ C$ , (% by mass)	Max	1.00

### **Product description**

- White, Deliquescent Inorganic Compound
- Soluble in Water and insoluble in Alcohol
- Available in Granules and Powder form

### **Technology**

- Potassium Carbonate is produced by the carbonation of Potassium Hydroxide, with Carbon Dioxide gas in Fluidized Bed Reactor
- The process technology of M/s. Bertrams, Switzerland is adopted.

### **Packing**

- 50 Kg HDPE woven bags with inner Polythene liner.



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## **Applications**

- Drugs & Pharmaceutical Industry
- Rubber Chemicals
- Pesticide Industry
- TV Picture Tubes
- Dyes Industries and other Potassium based chemicals

## **Advantages**

- We guarantee minimum 99% purity and chemically stable Potassium Carbonate of International quality.
- Product is made from Mercury free Caustic Potash Lye produced by Membrane Cell technology
- Quality Control Department is equipped with modern instruments for analytical purposes



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## MATERIAL SAFETY DATA

### Section 1: Chemical product and Company Identification

Product Name	Potassium Carbonate anhydrous
CAS Registry No.	584-08-7
Chemical Name	Potassium Carbonate
Synonyms	Carbonic acid, dipotassium salt, Pearl ash, Potash
Chemical formula	$K_2CO_3$

### Section 2: Composition and Information on ingredients

Composition	-
Product Name	Potassium Carbonate
% by weight	98% Min
Toxicological data on ingredients	Potassium carbonate, anhydrous ORAL (LD50): Acute: 1870mg/kg

### Section 3: Hazards Identification

Potential Acute health effects	Hazardous in case of skin contact, eye contact, ingestion and in case of inhalation.
Potential Chronic health effects	The substance is toxic to mucous membranes. The product may be toxic to eyes/skin. Repeated and prolonged exposure to the substance may cause damage to target human organs.



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<b>Section 4: First Aid Measures</b>	
Eye contact	Check for and remove contact lenses. In case of contact, immediately flush your eyes with plenty of water for at least 15 minutes. Get cold water to rinse and seek medical attention immediately.
Skin contact	In case of contact, wash your skin with plenty of water and apply ointment. Remove contaminated shoes and clothing immediately. Cold water should only be used and wash the clothes and shoes thoroughly before reusing them. Get medical attention immediately.
Ingestion	Do not induce vomiting unless you're not told by medical personal. Never give anything by mouth to unconscious person. If a large amount of product is swallowed by a person immediately call a physician and loosen belt and tie of a person.
Inhalation	If inhaled, move to have fresh air. If not breathing then give artificial respiration and if breathing is difficult supply oxygen and get medical help soon.



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<b>Section 5: Fire and explosion data</b>	
Flammability	Non- flammable
Auto ignition temperature	Not applicable
Flash Points	Not applicable
Flammable limits	Not applicable
Fire hazards in presence of other materials	Not Applicable

<b>Section 6: Accidental Release measures</b>	
Small spills	Use appropriate tools to put spilled solid into a convenient waste disposal container. Finish cleaning by washing the contaminated floor with water.
Large spill	Use shovel to put spilled solid into a convenient waste disposal container. Finish cleaning by washing the contaminated floor with water

<b>Section 7: Handling and Storage</b>	
Precautions	Keep container dry. Never ingest or breathe dust. Never add water to this product. In case of ill-ventilation, wear suitable respiratory equipment. Avoid contact with skin and eyes. Keep it away from incompatibles like oxidizing agents, metals and acids.
Storage	Hygroscopic. Keep container dry and close it tightly. Don't store above 25°C.