



TGV SRAAC LIMITED

GONDIPARLA. KURNOOL - 518004

TGV SRAAC/MSDS/13
Rev. /Date: 01/03.07.2025



MSDS - POTASSIUM CARBONATE

1. Company Identification:

M/s TGV SRAAC Limited
(Formerly Sree Rayalaseema Alkalies & Allied Chemicals Ltd.,)
Gondiparla, Kurnool.
Phone : 08518 280006, 7, 8
Toll Free No. : 1800111735

2. Product Identification:

Chemical Name : Potassium Carbonate
Trade name : Carbonate of POTASH
Synonyms : Potash, Di Potassium carbonate,
Pearl ash
Chemical Formula: K₂CO₃
Molecular Weight: 138.21g/mole
CAS Registry No. : 584-08-7
UN No. : N / A

3. Hazards Identification:

Appearance: white. **Warning!** May be harmful if swallowed. Causes eye and skin irritation and possible burns. Causes respiratory tract irritation. Hygroscopic.

Target Organs: Eyes, skin, mucous membranes.

Eye: Causes eye irritation. Causes an irritant and caustic action similar to that of potassium hydroxide.

Skin: Causes an irritant and caustic action similar to that of potassium hydroxide.

Ingestion: May cause severe gastrointestinal tract irritation with nausea, vomiting and possible burns. May be harmful if swallowed.

Inhalation: Causes respiratory tract irritation.

Chronic: No information found.

4. First Aid Measures:

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.

Skin: Get medical aid. Immediately flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.

Ingestion: Do NOT induce vomiting. If victim is conscious and alert, give 2-4 cupful's of milk or water. Never give anything by mouth to an unconscious person. Get medical aid immediately.

Inhalation: Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.

Notes to Physician: Treat symptomatically and supportively.

5. Fire Fighting Measures:

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

Extinguishing Media: For small fires, use water spray, dry chemical, carbon dioxide or chemical foam.

6. Accidental Release Measures:

General Information: Use proper personal protective equipment as indicated in Section 8.
Spills/Leaks: Clean up spills immediately, observing precautions in the Protective Equipment section. Sweep up, then place into a suitable container for disposal. Avoid generating dusty conditions. Provide ventilation.

7. Handling and Storage:

Handling: Wash thoroughly after handling. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation. Use with adequate ventilation.

Storage: Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

8. Exposure Controls / Personnel Protection:

Engineering Controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Use adequate ventilation to keep airborne concentrations low.

OSHA Vacated PELs: Carbonic acid, dipotassium salt: No OSHA Vacated PELs are listed for this chemical.

Personal Protective Equipment Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: Follow the OSHA respirator regulations

9. Physical and chemical properties:

Physical State : Solid powder/granules

Appearance : white

Odor : odorless

pH : 11.0. in 10% soln

Vapor Pressure : Not available.

Vapor Density : Not available.

Evaporation Rate : Not available.

Viscosity : Not available.

Boiling Point : Not available.

Freezing/Melting Point : 891 deg. C

Auto ignition Temperature: Not applicable.

Flash Point : Not applicable.

Decomposition Temperature: Not available.

NFPA Rating : (estimated) Health: 2;

Flammability : 0;

Reactivity : 0

Explosion Limits, Lower: Not available.

Upper : Not available.

Solubility : Soluble in water

Bulk Density : (H₂O=1) Powder : 0.74 gm/cc,
Granules : 1.15 gm/cc

Molecular Formula : K₂CO₃

Molecular Weight : 138.21

10. Stability and reactivity:

Chemical Stability: Stable.

Conditions to Avoid: Dust generation, excess heat, exposure to moist air or water.

Incompatibilities with Other Materials: Acids, metals.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, oxides of potassium.

Hazardous Polymerization: Has not been reported.

11. Toxicological Information:

LD50/LC50:

Oral, mouse: LD50 = 2570 mg/kg; Oral, rat:
LD50 = 1870 mg/kg ;< br.

Carcinogenicity: Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.

Epidemiology: No information present.

Teratogenicity: No information present.

Reproductive Effects: No information present.

Neurotoxicity: No information present.

Mutagenicity: No information present.

12. Ecological Information:

Eco toxicity data: High basicity may pose potential hazard to plant and marine life.

13. Disposal Consideration:

Dispose of in accordance with all Government and Local regulations.

14. Transport Information:

Transportation of Dangerous Goods

TDG Classification : Do not ship by air.

DOT Hazard Classification: Class 8: Corrosive

DOT Shipping Name : Potassium Carbonate

ID : UN1760.

15. Regulatory Information:

Local Regulatory bodies:

APPCB, Kurnool.

Dy.Chief Inspector of Factories, Kurnool.

16. Other Information:

Information contained in this MSDS is believed to be reliable. But no guarantee is made as to its accuracy, suitability for a particular application or results to be obtained from them.

Contact Person:

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