

Section 1. Identification of the Substance/Mixture and of the Company/Undertaking

Product Name: Potassium Carbonate Anhydrous

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant identified uses: For research use only, not for human or veterinary use.

1.3 Details of the Supplier of the Safety Data Sheet:

Company Name: Shri Shanti Laboratories,
Shri Shanti
Niwas, Gangashahar Road
Bikaner-334001, India

Company Logo:

Web site address: www.shrishanti.com

Information: +91-9571511119

Section 2. Hazards Identification

2.1 Classification of the Substance or Mixture:

2.1.1 Classification according to Regulation (EC) No 1272/2008 [CLP]:

Acute Toxicity: Oral, Category 4

Skin Corrosion/Irritation, Category 2

Serious Eye Damage/Eye Irritation, Category 2A

Target Organ Systemic Toxicity (single exposure), Category 3

2.2 Label Elements:

2.2.1 Labeling according to Regulation (EC) No 1272/2008 [CLP]:



GHS Signal Word: **Warning**

GHS Hazard Phrases:

H302: Harmful if swallowed.

H315: Causes skin irritation.

H319: Causes serious eye irritation.

H335: May cause respiratory irritation.

GHS Precaution Phrases:

P264: Wash {hands} thoroughly after handling.

P280: Wear {protective gloves/protective clothing/eye protection/face protection}.

P362+364: Take off contaminated clothing and wash it before reuse.

P261: Avoid breathing {dust/fume/gas/mist/vapours/spray}.

GHS Response Phrases:

P301+312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

P330: Rinse mouth.

P302+352: IF ON SKIN: Wash with plenty of soap and water.

P332+313: If skin irritation occurs, get medical advice/attention.

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy

to do. Continue rinsing.
 P337+313: If eye irritation persists, get medical advice/attention.
 P309+311: Call a POISON CENTER or doctor/physician if exposed or you feel unwell.
 P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

GHS Storage and Disposal Phrases:

Please refer to Section 7 for Storage and Section 13 for Disposal information.

2.3 Adverse Human Health Causes serious eye irritation.

Effects and Symptoms: Causes skin irritation.

Harmful if swallowed.

Material is irritating to the mucous membranes and upper respiratory tract.

May be harmful by inhalation or skin absorption.

May cause respiratory system irritation.

To the best of our knowledge, the toxicological properties have not been thoroughly investigated.

Section 3. Composition/Information on Ingredients

| CAS # / RTECS # | Hazardous Components (Chemical Name)/ REACH Registration No. | Concentration | EC No./ EC Index No. | GHS Classification |
|-----------------------|---|---------------|-------------------------|--|
| 584-08-7 TS7750000 | Potassium carbonate | >99.0 % | 209-529-3 NA | Acute Tox.(O) 4: H302 Skin Corr. 2: H315 Eye Damage 2A: H319 TOST (SE) 3: H335 H336 |
| | | | | |

Section 4. First Aid Measures

4.1 Description of First Aid Measures: No data available.

In Case of Inhalation:

Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Get immediate medical attention.

In Case of Skin Contact:

Immediately wash skin with soap and plenty of water for at least 15 minutes. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse.

In Case of Eye Contact:

Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Have eyes examined and tested by medical personnel.

In Case of Ingestion:

Wash out mouth with water provided person is conscious. Never give anything by mouth to an unconscious person. Get medical attention. Do NOT induce vomiting unless directed to do so by medical personnel.

Section 5. Fire Fighting Measures

5.1 Suitable Extinguishing Media: Use alcohol-resistant foam, carbon dioxide, water, or dry chemical spray.

Unsuitable Extinguishing Media: A solid water stream may be inefficient.

5.2 Flammable Properties and Hazards: No data available.

Flash Pt: No data.

Explosive Limits: LEL: No data. UEL: No data.

Autoignition Pt: No data.

5.3 Fire Fighting Instructions: As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or

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equivalent), and full protective gear to prevent contact with skin and eyes.

Section 6. Accidental Release Measures

- 6.1 Protective Precautions,** Avoid breathing vapors and provide adequate ventilation.
Protective Equipment and As conditions warrant, wear a NIOSH approved self-contained breathing apparatus, or respirator,
Emergency Procedures: and appropriate personal protection (rubber boots, safety goggles, and heavy rubber gloves).
- 6.2 Environmental** Take steps to avoid release into the environment, if safe to do so.
Precautions:
- 6.3 Methods and Material For** Contain spill and collect, as appropriate.
Containment and Cleaning Transfer to a chemical waste container for disposal in accordance with local regulations.
Up:

Section 7. Handling and Storage

- 7.1 Precautions To Be Taken** Avoid breathing (dust, vapor, mist, gas).
in Handling: Avoid prolonged or repeated exposure.
- 7.2 Precautions To Be Taken** Keep tightly closed.
in Storing: Store at correct temperature.

Section 8. Exposure Controls/Personal Protection

8.1 Exposure Parameters:

| CAS # | Partial Chemical Name | Britain EH40 | France VL | Europe |
|-----------|-----------------------|--------------|-----------|--------------|
| 584-08-7 | Potassium carbonate | No data. | No data. | No data. |
| 7732-18-5 | Water | No data. | No data. | No data. |
| CAS # | Partial Chemical Name | OSHA TWA | ACGIH TWA | Other Limits |
| 584-08-7 | Potassium carbonate | No data. | No data. | No data. |
| 7732-18-5 | Water | No data. | No data. | No data. |

8.2 Exposure Controls:

- 8.2.1 Engineering Controls** Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne (Ventilation etc.): levels below recommended exposure limits.
- 8.2.2 Personal protection equipment:**
- Eye Protection:** Safety glasses
- Protective Gloves:** Compatible chemical-resistant gloves
- Other Protective Clothing:** Lab coat
- Respiratory Equipment** NIOSH approved respirator, as conditions warrant.
(Specify Type):
- Work/Hygienic/Maintenan** Do not take internally.
ce Practices: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.
 Wash thoroughly after handling. No data available.

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Section 9. Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties

| | | | |
|---|---------------|---------------|-----------|
| Physical States: | [] Gas | [X] Liquid | [] Solid |
| Appearance and Odor: | Solution | | |
| Melting Point: | No data. | | |
| Boiling Point: | No data. | | |
| Flash Pt: | No data. | | |
| Evaporation Rate: | No data. | | |
| Explosive Limits: | LEL: No data. | UEL: No data. | |
| Vapor Pressure (vs. Air or mm Hg): | No data. | | |
| Vapor Density (vs. Air = 1): | No data. | | |
| Specific Gravity (Water = 1): | No data. | | |
| Solubility in Water: | No data. | | |
| Autoignition Pt: | No data. | | |

9.2 Other Information

Percent Volatile: No data.

Section 10. Stability and Reactivity

| | |
|---|---|
| 10.1 Reactivity: | No data available. |
| 10.2 Stability: | Unstable [] Stable [X] |
| 10.3 Stability Note(s): | Stable if stored in accordance with information listed on the product insert. |
| Polymerization: | Will occur [] Will not occur [X] |
| 10.4 Conditions To Avoid: | No data available. |
| 10.5 Incompatibility - Materials | acids |
| To Avoid: | strong oxidizing agents |
| 10.6 Hazardous | carbon dioxide |
| Decomposition Or | carbon monoxide |
| Byproducts: | potassium oxides |

Section 11. Toxicological Information

| | |
|-------------------------------|---|
| 11.1 Information on | The toxicological effects of this product have not been thoroughly studied. |
| Toxicological Effects: | Potassium carbonate - Toxicity Data: Oral LD50 (rat): 1,870 mg/kg; Oral LD50 (mouse): 2,570 mg/kg; Inhalation TClO (rat): 43 mg/m ³ (17w); |
| Chronic | Only select Registry of Toxic Effects of Chemical Substances (RTECS) data is presented |
| Toxicological Effects: | here. See actual entry in RTECS for complete information. Potassium carbonate RTECS Number: TS7750000 |
| Carcinogenicity: | NTP? No IARC Monographs? No OSHA Regulated? No |

| CAS # | Hazardous Components (Chemical Name) | NTP | IARC | ACGIH | OSHA |
|-----------|--------------------------------------|------|------|-------|------|
| 584-08-7 | Potassium carbonate | n.a. | n.a. | n.a. | n.a. |
| 7732-18-5 | Water | n.a. | n.a. | n.a. | n.a. |

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Section 12. Ecological Information

- 12.1 Toxicity:** Avoid release into the environment.
Runoff from fire control or dilution water may cause pollution.
- 12.2 Persistence and Degradability:** No data available.
- 12.3 Bioaccumulative Potential:** No data available.
- 12.4 Mobility in Soil:** No data available.
- 12.5 Results of PBT and vPvB assessment:** No data available.

Section 13. Disposal Considerations

- 13.1 Waste Disposal Method:** Dispose in accordance with local, state, and federal regulations.

Section 14. Transport Information

14.1 LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Not dangerous goods.
DOT Hazard Class:
UN/NA Number:

14.1 LAND TRANSPORT (European ADR/RID):

ADR/RID Shipping Name: Not dangerous goods.
UN Number:
Hazard Class:

14.3 AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name: Not dangerous goods.

Additional Transport Information: Transport in accordance with local, state, and federal regulations.

Section 15. Regulatory Information

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

| CAS # | Hazardous Components (Chemical Name) | S. 302 (EHS) | S. 304 RQ | S. 313 (TRI) |
|-----------|--------------------------------------|--------------|-----------|--------------|
| 584-08-7 | Potassium carbonate | No | No | No |
| 7732-18-5 | Water | No | No | No |

| CAS # | Hazardous Components (Chemical Name) | Other US EPA or State Lists |
|-----------|--------------------------------------|---|
| 584-08-7 | Potassium carbonate | CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No |
| 7732-18-5 | Water | CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No |

Regulatory Information Statement: This SDS was prepared in accordance with 29 CFR 1910.1200 and Regulation (EC) No.1272/2008.

Section 16. Other Information

Revision Date: 13/09/2015

Additional Information About This Product: No data available.

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