



NFPA 	HCS Risk Phrases HCS CLASS: Not regulated	Protective Clothing 
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Section I. Chemical Product and Company Identification

Common Name/ Trade Name	POTASSIUM CARBONATE ANHYDROUS	Revision Date: 9-8-06
Supplier	FRITZ INDUSTRIES, INC. 500 SAM HOUSTON ROAD MESQUITE, TX 75149 (972) 285-5471 (800) 955-1323	In Case of Emergency. (800) 424-9300 Week Days: (972) 285-5471 (800) 955-1323

Chemical Family Inorganic Solid

Section II. Composition and Information on Ingredients

Name	CAS #	% by Weight	TLV/PEL	LC ₅₀ /LD ₅₀
Potassium Carbonate	584-08-7	>99	Not established.	LD ₅₀ =1870 mg/kg (oral, rat)

Section III. Hazards Identification

Emergency overview	Causes irritation to skin, eyes, and respiratory tract. May be harmful if swallowed.
Eye contact	Causes extreme irritation, redness, pain, and possibly corneal damage.
Skin	Contact with dry material causes irritation. In aqueous solution it is a strong caustic and as such may have corrosive effects on the skin.
Inhalation	Causes irritation to the respiratory tract. Symptoms may include coughing and shortness of breath.
Ingestion	Causes irritation to the gastrointestinal tract. Symptoms may include nausea, vomiting, and diarrhea. May have moderate toxic effects if consumed in large enough quantities. Ingestion of large amounts may be corrosive to mouth, throat, and GI tract and produce abdominal pains, vomiting, diarrhea, and circulatory collapse.
Chronic exposure	A chronic dermatitis may follow repeated contact with this substance.

Section IV. First Aid Measures




Eye Contact	Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Seek medical attention immediately.
Skin Contact	Immediately flush skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Get medical attention. Wash clothing and thoroughly clean shoes before reuse.
Inhalation	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Ingestion	If swallowed, DO NOT INDUCE VOMITING. Give large quantities of water. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Section V. Fire and Explosion Data

Fire	This material is not considered to be a fire hazard.
Explosion	Not considered to be an explosion hazard. An explosion occurred after mixing sodium hydrosulfite, aluminum powder, potassium carbonate, and benzaldehyde.
Fire Fighting Media and Instructions	Use any means suitable for extinguishing surrounding fire.
Special Information	In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode.

Section VI. Accidental Release Measures

Leak/Spill	Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. For spills, pick up and place in a suitable container for reclamation or disposal, using a method that does not generate dust.
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Section VII. Handling and Storage											
Handling	Containers of this material may be hazardous when empty since they retain product residues (i.e. dust, solids). Observe all warnings and precautions listed for the product										
Storage	Keep in a tightly closed container. Store in a cool, dry, ventilated area. Protect against physical damage. Isolate from incompatible substances.										
Section VIII. Exposure Controls/Personal Protection											
Airborne Exposure Limits	None established										
Ventilation System	A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area.										
Personal Protection	For conditions of use where exposure to dust or mist is apparent and engineering controls are not feasible, a particulate respirator (NIOSH type N95 or better filters) may be worn. If oil particles (e.g. lubricants, cutting fluids, glycerine, etc.) are present, use a NIOSH type R or P filter. For emergencies or instances where the exposure levels are not known, use a full-face positive-pressure, air supplied respirator. WARNING: Air-purifying respirators do not protect workers in oxygen-deficient atmospheres. Wear chemical safety goggles and/or full face shield where dusting or splashing of solutions is possible. Maintain eyewash fountain and quick-drench facilities in work area. Wear appropriate protective clothing to prevent skin irritation.										
Section IX. Physical and Chemical Properties											
Physical state and Appearance	Fine white granules Odor: Odorless Color: White										
Specific Gravity	2.29 Melting Point: 891°C (1636°F)										
pH	11.6 Aqueous solution										
Solubility	Soluble in equal parts of cold water										
Section X. Stability and Reactivity Data											
Stability	Stable under ordinary conditions of use and storage										
Incompatibilities	Acids, chlorine trifluoride, magnesium. An explosion occurred after mixing sodium hydrosulfite, aluminum powder, potassium carbonate and benzaldehyde.										
Hazardous decomposition products	Contact with acids and involvement in a fire can cause formation of carbon dioxide. Thermal decomposition may also form potassium oxide.										
Conditions to avoid	Moisture, heat, dusting, and incompatibles										
Section XI. Toxicological Information											
Primary Routes of Exposure	Eye and skin contact; inhalation of dust; ingestion.										
Toxic Effects on Humans	Irritation possible to skin, eyes, and respiratory and gastrointestinal tracts.										
Section XIV. Transport Information											
DOT Classification	Not regulated under the Transport of Dangerous Goods Act.										
Section XV. Other Regulatory Information and Pictograms											
Other Classifications	WHMIS (Canada) Classification D-2B Canadian DSL Inventory Status This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.										
HMIS (U.S.A.)	<table border="0"> <tr> <td style="background-color: blue; color: white; padding: 2px;">2 HEALTH</td> <td rowspan="4" style="vertical-align: middle; padding: 0 10px;">National Fire Protection Association (U.S.A.) Health</td> <td rowspan="4" style="text-align: center; vertical-align: middle;">  </td> <td style="padding: 2px;">Fire Hazard</td> </tr> <tr> <td style="background-color: red; color: white; padding: 2px;">0 FLAMMABILITY</td> <td style="padding: 2px;">Reactivity</td> </tr> <tr> <td style="background-color: yellow; color: black; padding: 2px;">1 REACTIVITY</td> <td style="padding: 2px;">Specific Hazard</td> </tr> <tr> <td style="background-color: white; color: black; padding: 2px;">(H) PROTECTIVE EQUIPMENT</td> <td></td> </tr> </table>	2 HEALTH	National Fire Protection Association (U.S.A.) Health		Fire Hazard	0 FLAMMABILITY	Reactivity	1 REACTIVITY	Specific Hazard	(H) PROTECTIVE EQUIPMENT	
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