

MATERIAL SAFETY DATA SHEET

Manufacturer:

Fertilizer Company of Arizona, Inc.
2850 South Peart Road
Casa Grande, AZ 85193-9024

Analysis: 7-0-7-7 Ca
Product: Fertilizer Solution
Date: 05/26/11
Supersedes: None

Emergency Phone: 800.782.3266
24-Hour Phone: 928.783.3803

SECTION I: MATERIAL IDENTIFICATION

Chemical Name and Synonyms: Calcium Nitrate and Potassium Nitrate Fertilizer
Trade Name and Synonyms: Calcium Potassium Nitrate
Chemical Family: Inorganic Salts
Formula: $\text{Ca}(\text{NO}_3)_2, \text{KNO}_3$

SECTION II: INGREDIENTS AND HAZARDS

	<u>%</u>	<u>Hazard Data</u>	<u>Typical Grades</u>
Nitrogen as N	7	N/A	7-0-7-7 Ca
Nitrate N	7.1%		
Total Calcium as Ca	7	N/A	
Total Potash as K_2O	7	N/A	

SECTION III: PHYSICAL DATA

Boiling Point at 1 atm, deg F ~220 Specific Gravity 1.415 g/ml(20° C)
Vapor Pressure at (mm Hg) N/A Evap. Rate Aqueous Solution
Water solubility Complete Volatiles, % by volume ~50%
pH 5.7-6.3
Appearance & Odor: Clear liquid, colorless, no apparent odor

SECTION IV: FIRE AND EXPLOSION DATA

Flash Point Method: N/A Autoignition Temp.: N/A
Flammability Limits in Air: N/A
Extinguishing media: Product will not burn. If involved in fire, use water.
Special firefighting procedures: Keep away from extreme heat.
Unusual fire and explosion hazards: Decomposition products may include toxic oxides of Nitrogen.

SECTION V: HEALTH HAZARD INFORMATION

TLV: None
Effects of overexposure: Calcium Potassium Nitrate is considered to be low health hazards.

FIRST AID

Eye Contact: Flush eyes immediately and thoroughly with water for at least 15 minutes. If irritation persists, get medical attention.
Skin Contact: Flush skin immediately and thoroughly with water. If irritation persists, get medical attention.
Inhalation: Generally not considered an inhalation hazard. Use mask if mist occurs.
Ingestion: If conscious, immediately give large quantities of water and induce vomiting. Get medical attention immediately.

IMPORTANT: This information is based on available scientific evidence known to Fertilizer Company of Arizona, Inc. This information is supplied without warranty, expressed or implied.

SECTION VI: REACTIVITY DATA

Stability:	Stable
Conditions to avoid:	Extreme high temperatures
Incompatibility (Material to avoid):	Water-reactive materials
Hazardous decomposition products:	Nitrogen Oxides
Hazardous polymerization:	Will not occur

SECTION VII: SPILL, LEAK AND DISPOSAL PROCEDURES

Spills & Leaks:	Since Calcium Potassium Nitrate is a fertilizer, it may promote eutrophication in waterways. In the case of a spill, contain spill and maximize recovery. Mop up or pump up promptly in metal or plastic containers.
Waste Disposal Method:	Disposal of Calcium Potassium Nitrate Fertilizer may be subject to federal, state and local regulations. Users of this product should review their operations in terms of applicable laws and regulations then consult with appropriate regulatory agent before discharging or disposing.

SECTION VIII: SPECIAL PROTECTION INFORMATION

Respiratory protection:	Respirators are not required under normally ventilated conditions. If misted by heat agitation or spray, use a mist respirator approved by NIOSH. Do not use a single-use type.
Ventilation:	Local Exhaust - Adequate
Mechanical General	Only if Heated
Protective gloves:	Rubber Gloves
Eye protection:	Safety Glasses are recommended
Other protective equipment and precautions:	Not generally required

SECTION IX: SPECIAL PRECAUTIONS AND COMMENTS

Storage and Handling Information

Other Precautions: None

DOT Class: N/A

Fertilizer Company of Arizona, Inc. warrants that the product or products described herein will conform to its published specifications. The products supplied by Fertilizer Company of Arizona, Inc. and information related to them are intended for use by buyers having necessary industrial skill and knowledge. Buyers should undertake sufficient verification and testing to determine the suitability of the Fertilizer Company of Arizona, Inc. materials for their own particular purpose. Since buyers conditions of use of products are beyond Fertilizer Company of Arizona, Inc. control, Fertilizer Company of Arizona, Inc. does not warrant any recommendations and information for the use of such products.

FERTILIZER COMPANY OF ARIZONA, INC. DISCLAIMS ALL OTHER WARRANTIES INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILITY AND FITNESS FOR ANY PARTICULAR PURPOSE IN CONNECTION WITH THE USE OF ITS PRODUCTS.