

# Solu-Cal USA Ltd

Granular fertilizer

## Material Safety Data Sheet

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<b>Section 1 Identification and Use of Product</b>	
PRODUCT	▶ <b>K-CAL PLUS 4% Mg (Micro)</b>
USE OF PRODUCT	▶ GRANULAR FERTILIZER
CHEMICAL EQUIVALENT	▶ N/A
CHEMICAL FAMILY	▶ N/A
FORMULA: 0-0-22	C.A.S. NO. ▶ N/A

Manufactured by  
**Fertichem Inc.**  
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<b>Section 2 INGREDIENTS / COMPOSITIONS</b>				
Guaranteed minimum analysis				
INGREDIENTS :	C.A.S No	Total Nitrogen (%)	Actual Phosphoric Acid (%)	Soluble Potash (%)
§ Pelletized Lime	17069-72-6	<b>0</b>	<b>0</b>	<b>22</b>
§ Sulfate of Potash	7778-80-5			
§ Magnesium Oxide	1309-48-4			
§ Magnesium Sulphate	7487-88-9			

<b>Section 3 PHYSICAL PROPERTY INFORMATION</b>		
BOILING POINT (0° C) ▶ N/A	MELTING POINT (0° C) ▶ N/A	VAPOR PRESSURE (mmHg) ▶ N/A
SPECIFIC GRAVITY (H <sub>2</sub> O) ▶ N/A	VOLATILES BY VOLUME (%) ▶ N/A	VAPOR DENSITY (AIR = 1) ▶ N/A
SOLUBILITY IN WATER ▶ Partially Soluble	EVAPORATION RATE (Butyl Acetate = 1) ▶ N/A	MOLECULAR WEIGHT ▶ N/A
PHYSICAL STATE ▶ Solid	DENSITY ▶ 80 lb/pi <sup>3</sup>	pH ▶ N/A
APPEARANCE AND ODOR Brown granules		

<b>Section 4 FIRE AND EXPLOSION HAZARDS DATA</b>	
FLASH POINT N/A	FLAMMABLE LIMIT – VOLUME IN THE AIR (% PER VOL.) Minimal conc. : N/A      Maximal conc. : N/A
EXTINGUISHING MEDIA Use media appropriate for surrounding fire and/or materials	
SPECIAL FIRE FIGHTING PROCEDURES Use water spray to cool fire-exposed containers or structures. Use water spray to disperse vapours. Use self-contained breathing apparatus and special protective clothing.	
AUTO IGNITION TEMPERATURE:	N/A °C      N/A °F

Section 5		REACTIVITY INFORMATION	
<u>STABILITY</u>		<u>HAZARDOUS POLYMERIZATION</u>	
▶ <input type="checkbox"/> UNSTABLE	<input checked="" type="checkbox"/> STABLE	▶ <input type="checkbox"/> May occur	<input checked="" type="checkbox"/> Will not occur
<u>CONDITIONS AND MATERIAL TO AVOID (INCOMPATIBILITY)</u>			
Excessive heat			
<u>HAZARDOUS DECOMPOSITION PRODUCTS</u>			
N/a.			

Section 6		HEALTH DATA	
<u>EYE CONTACT :</u>			
May cause irritation.			
<u>SKIN CONTACT :</u>			
May cause a slight irritation.			
<u>INHALATION :</u>			
Dust from this product may irritate nose, throat and respiratory system.			
<u>INGESTION:</u> <i>May cause gastrointestinal upset, abdominal pain and diarrhea.</i>			
<u>MEDICAL ADVICE :</u>			
N.A.			

Section 7		EMERGENCY MEASURES (SPILL OR LEAK)	
<u>SMALL SPILLS :</u>			
Pick up and place in a suitable container, using a method which does not generate dust.			
<u>MAJOR SPILLS :</u>			
Contact local government environmental authorities if spill should be reported or if there is a risk of environmental pollution.			
<u>WASTE DISPOSAL METHODS :</u>		REFERENCES	
		Material Safety Data Sheets from raw material suppliers	

STORAGE AND HANDLING REQUIREMENTS	
<u>STORAGE AND HANDLING PRECAUTIONS</u>	
Store in a cool, dry area away from water, food and feed.	
<u>OTHER PRECAUTIONS</u>	
Keep out of reach of children. Users of this product should keep a clean and secure environment.	

**Section 8 EMERGENCY AND FIRST AID PROCEDURES****EYE CONTACT :**

Flush thoroughly with water, including under the eyelids. See a physician if discomfort or irritation persist.

**SKIN CONTACT :**

Remove contaminated clothing. Wash affected areas thoroughly with soap and water. If irritation persists, obtain medical advice.

**INHALATION :** Move the victim to fresh air. Get medical attention if discomfort persists.

**INGESTION :** Give large amounts of water and then cause vomiting. See a physician as soon as possible if a large amount of potassium sulphate is swallowed.

**MEDICAL ADVICE**

N.A.

**Section 9 SPECIAL PROTECTION INFORMATION****RESPIRATORY PROTECTION**

If dust concentrations exceed recommended exposure limit , use a NIOSH/MSHA approved dust mask.

**SKIN PROTECTION**

Gloves and protective clothing made from cotton.

**EYES PROTECTION**

Safety glasses with side shields to prevent eye contact.

**OTHER PROTECTIVE EQUIPMENT**

No particular recommendations.

**Section 10 OTHER INFORMATIONS**

**Manufactured by:** Fertichem Inc., 560 Rhéaume road, St-Michel, Québec, Canada, J0L 2J0

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**RENUNCIATION**

The enclosed information has been based on data drawn from sources deemed to be reliable such as NIOSH, OSHA, ANSI and NFPA. Consequently we offer no warranty of any kind, no authorization or other representation concerning this product, as we have no control over its use by third parties. No responsibility for losses or damages which may result from the use of this product will be assumed by Fertichem Inc.