

Material Safety Data Sheet

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24 Hour Emergency Assistance

Section 1 Identification					
Product Number:	C1413				
Product Name:	Calcium Standard 1,000 mg/L (ppm) AA Standard	Health:	2		
Trade/Chemical Synonyms		Flammability:	0		
Formula:	N/A	Reactivity:	0		
RTECS:	None	Hazard Rating:	Least Slight Moderate High Extreme 0 1 2 3 4		
C.A.S	See Below	NA = Not Applicable NE = Not Established			
Section 2 Component Mixture					
Sara 313	Component	CAS Number	%	Dim	Exposure Limits:
<input type="checkbox"/>	Water, Deionized ASTM Type II	CAS# 7732-18-5	Balance	W/W	None Established
<input type="checkbox"/>	Calcium Nitrate Tetrahydrate	CAS# 13477-34-4	<1%	W/W	None established
<input checked="" type="checkbox"/>	Nitric Acid	CAS# 7697-37-2	3 - 3.5%	W/W	OSHA TWA 2 ppm (5mg/mf), STEL 4 ppm (10mg/mf)
Section 3 Hazard Identification (Also see section 11)					
May cause irritation and burns. May be harmful if swallowed. Avoid breathing vapor or dust. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed.					
Section 4 First Aid Measures					
May cause irritation and burns. May be harmful if swallowed. Avoid breathing vapor or dust. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed.					
FIRST AID: SKIN: Remove contaminated clothing. Wash exposed area with soap and water. if irritation persists, seek medical attention.					
EYES: Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally. Seek Medical Aid. INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen					
INGESTION: Give several glasses of milk or water. Vomiting may occur spontaneously, but DO NOT INDUCE! Never give anything by mouth to an unconscious person.					
Section 5 Fire Fighting Measures					
Fire Extinguisher Type:	Any means suitable for extinguishing surrounding fire				
Fire/Explosion Hazards:	None Known.				
Fire Fighting Procedure:	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.				
Section 6 Accidental Release Measures					
Absorb spill with inert material, then place in a chemical waste container. Neutralize with a weak base.					
Section 7 Handling and Storage					
Store in a cool dry place. Do not get in eyes, on skin, on clothing. Wash thoroughly after handling. Store between 15 and 25°C					
Section 8 Exposure Controls & Personal Protection					
Respiratory Protection: None required					
Mechanical: <input type="checkbox"/> Gloves to Hand prevent skin Protection: exposure as latex or vinyl					
Ventilation: Local Exhaust: <input checked="" type="checkbox"/> Eye Splash Protection: Goggles					
Other Protective Equipment: Wear appropriate clothing to prevent skin exposure					
Section 9 Physical and Chemical Properties					
Melting Point:	~0° C	Specific Gravity	~1.0		
Boiling Point:	~100° C	Percent Volatile by Volume:	>96%		
Vapor Pressure:	Information not available	Evaporation Rate:	0.36		
Vapor Density:	Information not available	Evaporation Standard:	Butylacetate =1		
Solubility in Water:	Soluble	Auto ignition Temperature:	Not applicable		
Appearance and Odor:	Clear odorless liquid	Lower Flamm. Limit in Air:	Not applicable		
Flash Point:	not flammable	Upper Flamm. Limit in Air:	Not applicable		
Section 10 Stability and Reactivity Information					
Stability: Stable Conditions to Avoid: None known					
Materials to Avoid: strong bases.					
Hazardous Decomposition Products: Nitrous oxides					
Hazardous Polymerization: not expected to occur					
Condition to Avoid: None known					
Section 11 Additional Information					
Warning! Corrosive. May be toxic by ingestion. If ingested, do not induce vomiting unless directed to do so by medical personnel. If large quantities of this material are swallowed, call a physician immediately. May be harmful if inhaled or ingested. May cause respiratory tract, eye and skin burns.					
DOT Classification: Corrosive liquids, acidic, inorganic, n.o.s. (contains nitric acid), 8, UN3264, pg III					
DOT regulations may change from time to time. Please consult the most recent version of the					

relevant regulations.

Revision	Date Entered:	Approved by:
No:0.1	9/1/2006	WPF

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