



MATERIAL SAFETY DATA SHEET

ROLF C. HAGEN INC., 20500 TransCanada HWY,
Baie d'Urfé, QUEBEC, H9X 0A2
CANADA

Nutrafin test kit
PO₄ #2
A7842

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Section I. Product identification and uses		Section II. Hazardous ingredients	
Product name	Phosphate reagent # 2	- Antimony potassium tartrate	0,4 - 0,5 %
Chemical formula	Mixture	CAS: 28300-74-5	TLV: OSHA PEL : 0,5 mg (Sb) /m3
Chemical family	Mixture		ACGIH TLV : 0,5 mg (Sb)/m3
Material uses	Reagent to determine phosphate in water	Oral LD50: Acute: 115mg/kg (rat)	
		- Product of phosphate reagent #2: Oral LD50: Acute: 23000mg/kg (rat). The product is diluted and non hazardous.	
Section III. Physical data			
Physical state and appearance/ Odor	Clear liquid, odorless.		
pH	4.0 - 5.0		
Percent volatile	Not available		
Freezing point	Not available		
Boiling point	Not available		
Specific gravity	1		
Vapor density	Not applicable		
Vapor pressure	Not applicable		
Evaporation rate	Not available		
Solubility	Soluble in water		
Section IV. Fire and explosion data			
- Flash point: Not applicable - Flammable limits: Non flammable - Auto-ignition temperature: Not applicable			
Section V. Reactivity data			
- Stability: Stable. Avoid high temperatures and contamination.			



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Section VI. Toxicological properties	
Routes of entry	
Effects of acute exposure	Dangerous by ingestion, inhalation or skin absorption. Highly toxic.
Eye	May cause irritation and pain.
Skin	May cause irritation and pain.
Inhalation	If inhaled, causes nose and throat irritation.
Ingestion	Poison! More severe exposure may result in abdominal pain, nausea, headache, anorexia and metallic taste in mouth.
Effects of chronic overexposure	Symptoms of chronic overexposure are like those for ingestion. To the best of our knowledge, the chemical, physical and toxicity of this substance has been fully investigated.

Section VII First aid measures	
Eye contact	Immediately flush with copious quantities of water for at least 15 minutes holding lids apart to ensure flushing of the entire surface. Seek immediate medical attention.
Skin contact	Remove the contaminated clothes and flush with plenty of water and soap. Seek immediate medical attention.
Inhalation	If inhaled, remove patient to fresh air. If the symptoms persist, consult a physician.



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Ingestion	Have conscious person drink several glasses of water or milk. DO NOT induce vomiting. Never give anything by mouth to an unconscious or convulsing person. Seek immediate medical attention.
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Section VIII. Preventive measures	
Protective clothing in case of spill and leak	See section IX for personal protective equipment.
Spill and leak	Absorb spill inert materials such as clays, sand, earth or vermiculite and place in closed container for disposal. Clean the spill area after product complete removal. DO NOT empty into drain.
Waste disposal	According to all applicable regulations.
Storage and handling	Store in a cool dry place. Store away from acids. Do not store with other incompatible materials, even in case of spill. Keep containers closed an in upper position.

Section IX. Protective measures	
Protective clothing	Rubber or plastic gloves. Chemical splash goggles or face mask. Protective clothing, apron. Rubber boots.
Engineering controls	General ventilation is recommended.

Section X. Other information	
Special precautions or comments	Toxic! Avoid all contact with product. Always wash hands after manipulation of product containers, and before eating.

Prepared by Rolf C. Hagen Inc. (514) 457-0914	Validated October 31 st , 2008
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