



MATERIAL SAFETY DATA SHEET

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

Nutrafin test kit
PO₄ #1
A7841

Section I. Product identification and uses		Section II. Hazardous ingredients	
Product name	Phosphate reagent # 1	- Sulfuric acid	9 - 9,5 %
Chemical formula	Mixture	CAS: 7664-93-9	TLV: ACGIH TLV-STEL: 3mg/m3
Chemical family	Mixture		ACGIH TLV-TWA: 1mg/m3
Material uses	Reagent to determine phosphate in water	- Ammonium molybdate	1 - 1,5 %
		CAS: 12027-67-7	TLV: As molybdenum: ACGIH TLV-TWA: 5 mg/m3 OSHA PEL : 8 h TWA: 5 mg/m3
Section III. Physical data			
Physical state and appearance/ Odour		Liquid odourless.	
pH (10%)		<1	
Percent volatile		> 85%	
Freezing point		Not available	
Boiling point		Not available	
Specific gravity		1,1	
Vapour density		Not available	
Vapour pressure		Not available	
Evaporation rate		Not available	
Solubility		Soluble in water	
Section IV. Fire and explosion data			
- Flash poin: Not applicable - Flammable limits: Not applicable - Auto-ignition temperature: Not applicable			
Section V. Reactivity data			
- Stability: Stable under normal conditions. Avoid high temperatures and contamination.			



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Section VI. Toxicological properties	
Routes of entry	
Effects of acute exposure	Corrosive! Dangerous by ingestion, inhalation or skin absorption.
Eye	Causes severe burns. Permanent blindness may occur.
Skin	Causes severe burns if the exposed area is not washed immediately.
Inhalation	If inhaled, may cause nose and throat irritation.
Ingestion	Swallowing this material causes severe burns to the mouth, throat and stomach. Can cause death.
Effects of chronic overexposure	No data are available for chronic inhalation of this product.

Section VII First aid measures	
Eye contact	Immediately flush with copious quantities of water for a minimum of 30 minutes holding lids apart to ensure flushing of the entire surface. If irritation persists, repeat flushing. Seek immediate medical attention.
Skin contact	Remove the contaminated clothes and flush with plenty of water for a minimum of 20 minutes.



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Inhalation If inhaled, remove patient to fresh air. If symptom persists, obtain medical attention.

Ingestion Have conscious person drink several glasses of water or milk. Obtain medical attention immediately.

Section VIII. Preventive measures

Protective clothing in case of spill and leak See section IX for personal protective equipment.

Spill and leak Absorb spill with 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 away from bases. Store in cool area. Keep containers closed.

Section IX. Protective measures

Protective clothing Rubber or plastic gloves. Full face-shield and 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 Before eating, drinking or smoking, wash face hands thoroughly with soap and water.

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