



MATERIAL SAFETY DATA SHEET

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

Nutrafin test kit
PO₄ #3
A7843

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Section I. Product identification and uses		Section II. Hazardous ingredients	
Product name	Phosphate reagent # 3	- Propylene glycol	> 95 %
Chemical formula	Mixture	CAS: 57-55-6	TLV : Not available
Chemical family	Mixture		
Material uses	Reagent to determine phosphate in water		
Section III. Physical data			
Physical state and appearance/ Odor	Viscous liquid, odorless.		
pH (10%)	3.0 - 3.5		
Percent volatile	Not available		
Freezing point	< - 50 °C		
Boiling point	> 180 °C		
Specific gravity	1.05		
Vapor density	Not available		
Vapor pressure	Not available		
Evaporation rate	Not available		
Solubility	Miscible in water		
Section IV. Fire and explosion data			
- Flash point: > 90 °C - Flammable limits: Not available - Auto-ignition temperature : Not available			
Section V. Reactivity data			
- Stability: Stable. - Hazardous decomposition product: Not determined.			



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Section VI. Toxicological properties	
Routes of entry	
Effects of acute exposure	May be harmful by inhalation, ingestion or skin absorption. Irritant.
Eye	Prolonged or repeated eye contact may cause irritation.
Skin	Prolonged or repeated skin contact may cause irritation.
Inhalation	None expected.
Ingestion	May cause gastrointestinal disturbances.
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 at least 15 minutes holding lids apart to ensure flushing of the entire surface. Call a physician.
Skin contact	May cause irritation to skin. Flush with plenty of water and soap. Keep off all contaminated clothes.
Inhalation	Not applicable
Ingestion	May be harmful if swallowed. DO NOT induce vomiting. Have conscious person drink several glasses of water or milk. Consult a physician.



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Section VIII. Preventive measures	
Protective clothing in case of spill and leak	Not applicable
Spill and leak	Dike and absorb spill with inert material such as clays , sand, earth or other commercially available dry sweeping compound. Sweep up and place in container for disposal.
Waste disposal	According to all applicable regulations.
Storage and handling	Keep containers closed. Avoid contact with eyes, skin and clothing.

Section IX. Protective measures	
Protective clothing	Not applicable
Engineering controls	Not applicable

Section X. Other information	
Special precautions or comments	Before eating, drinking or smoking, wash face hands thoroughly with soap and water.

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