



MATERIAL SAFETY DATA SHEET

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

Nutrafin test kit
pH High Range
A7813

Section I. Product identification and uses		Section II. Hazardous ingredients
Product name	pH high range reagent	- Acid-Base indicators mix <0,5% CAS# and TLV not available. -Sodium hydroxide <0,01% CAS# 1310-73-2. TLV: OSHA PEL: 2mg\M3. ACGIH TLV: C 2mg\M3; 9293.
Chemical formula	Mixture	
Chemical family	Mixture	
Material uses	Reagent to determine pH of water.	
Section III. Physical data		
Physical state and appearance/ Odour	Blue-green liquid.	
pH	7	
Percent volatile	Not available	
Freezing point	Not available	
Boiling point	Not available	
Specific gravity	1.0	
Vapour density	Not available	
Vapour pressure	Not available	
Evaporation rate	Not available	
Solubility	Soluble in water.	
Section IV. Fire and explosion data		
- Flash point : Not available - Flammable limits : Not available - Auto-ignition temperature: Not available		
Section V. Reactivity data		
- Stability: Stable		



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Section VI. Toxicological properties	
Routes of entry	
Effects of acute exposure	May be harmful by ingestion, inhalation or skin absorption. May cause irritation.
Eye	Prolonged or repeated eye contact may cause irritation.
Skin	Prolonged or repeated skin contact may cause irritation.
Inhalation	None expected.
Ingestion	No specific information is available on this material.
Effects of chronic overexposure	Carcinogenic effects: not available Mutagenis effects: not available Teratogenic effects: not available. Toxicity of the product to the reproductive system : Not available. To the best of our knowledge, the toxicity of this substance has not been fully investigated.

Section VII First aid measures	
Eye contact	Immediately flush eyes 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	Immediately flush skin with plenty of water and soap for at least 15 minutes while removing contaminated clothing and shoes. Call a physician. Wash contaminated clothing before reusing.
Inhalation	May cause irritation. Remove patient to fresh air. If symptoms persist, call a physician.



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Ingestion	If conscious, wash out mouth with water. Call a physician. Do not induce vomiting.
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Section VIII. Preventive measures

Protective clothing in case of spill and leak	See section IX for personal protective equipment.
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Spill and leak	Absorb on sand or vermiculite and place in a closed container for disposal. Ventilate area and wash spill after material pick up is complete. DO NOT empty into drains. DO NOT touch damaged container or spilled material.
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Waste disposal	According to all applicable regulations.
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Storage and handling	Store in a cool place away from heated areas, sparks and flame. Avoid contact with eyes, skin and clothing.
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Section IX. Protective measures

Protective clothing	Rubber or plastic gloves. Chemical splash or face mask. Protective clothing, apron. Rubber boots.
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Engineering controls	General ventilation is recommended.
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Section X. Other information

Special precautions or comments	To the best of our knowledge, the chemical, physical and toxicity of this substance has not been fully investigated. Do not breathe vapor. Avoid all contact with the product. Before eating, drinking or smoking, wash face hands thoroughly with soap and water.
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