



# MATERIAL SAFETY DATA SHEET

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

<b>Nutrafin test kit</b>
<b>pH Low Range</b>
<b>A7811</b>

Section I. Product identification and uses		Section II. Hazardous ingredients	
Product name	pH low range reagent	<ul style="list-style-type: none"> <li>- Bromothymol Blue &lt;0,15% CAS # 76-59-5 TLV not available</li> <li>- Sodium Hydroxyde &lt;0,01% CAS # 1310-73-2 OSHA PEL: 2mg\M3 ; ACGIH TLV: C 2mg\M3 ; 9293</li> </ul>	
Chemical formula	Mixture		
Chemical family	Mixture		
Material uses	Reagent to determine pH of water.		
Section III. Physical data			
Physical state and appearance/ Odor	Blue-green liquid. Odorless.		
pH	7,4		
Percent volatile	Not available		
Freezing point	Not available		
Boiling point	Not available		
Specific gravity	1.00		
Vapor density	Not available		
Vapor pressure	Not available		
Evaporation rate	Not available		
Solubility	Completely 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.			



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Section VI. Toxicological properties	
<b>Routes of entry</b>	
Effects of acute exposure	Irritant. Other information is not available.
Eye	Prolonged or repeated eye contact may cause irritation.
Skin	Prolonged or repeated skin contact may cause irritation.
Inhalation	None expected.
Ingestion	Not available.
Effects of chronic overexposure	None know.

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 if available, for 15 minutes.
Inhalation	May cause irritation. Remove patient to fresh air.



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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	See section IX for personal protective equipment.
Spill and leak	Dike and absorb spill with inert materials 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	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	Before eating, drinking or smoking, wash face hands thoroughly with soap and water.