



# MATERIAL SAFETY DATA SHEET

ROLF C. HAGEN INC., 20500 TRANSCANDA HWY,  
BAIE D'URFÉ, QUEBEC, H9X 0A2  
CANADA

<b>Nutrafin Test Kit</b>
<b>pH High Range reagent</b>
A7813

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Section I. Product and Company Identification	
Product name	Nutrafin pH High Range Reagent pH 7.4-8.6
CAS #	Mixture
Use	To measure pH in aquarium water
Supplier	Rolf C. Hagen Inc., 20 500 Trans Canada Hwy, Baie d'Urfé, H9X 0A2
Emergency	Call your local poison control center

Section II. Hazards Identification	
WHMIS	Classification
Not Controlled	Not Applicable

Section III. Composition and Information on Ingredients			
Ingredients	Conc. (%)	CAS #	EC #
Sodium Hydroxide	< 0.1	1310-73-2	215-185-5

Section IV. First Aid Measures	
Eye contact	Immediately flush with copious quantities of water. If the victim wear contact lenses, removed and continue rinsing for a minimum of 15 minutes holding lids apart to ensure flushing of the entire surface. Seek immediate medical attention.
Skin contact	May cause irritation to skin. Remove the contaminated clothes and flush with plenty of water and soap for 15 minutes. If irritation persists, seek medical advice.
Inhalation	May cause irritation. Remove victim to fresh air. If symptom persists, obtain medical attention.
Ingestion	May be harmful if swallowed. Have conscious person drink several glasses of water. Never administrate any liquids to an unconscious or convulsing person. Do not induce vomiting. Seek immediate medical attention.

Section V. Fire Fighting Measures
Suitable extinguishing media
Use extinguishing media appropriate to surrounding fire conditions.
Specific hazards arising from the chemical
Non-flammable product.
Special protective actions for fire-fighters
Wear adequate personal protection to prevent contact with material or it combustion products. Self-contained breathing apparatus.

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<b>Section VI. Accidental Release Measures</b>	
Person-related safety precautions	Wear adequate personal protective equipment and clothing (e.g. chemical splash goggles, gloves, apron, rubber boots).
Measures for environmental protection	Not applicable
Measures for cleaning/collecting	Use an inert absorbent material such as clay, sand, earth or vermiculite. Sweep up and place in container for disposal.

<b>Section VII. Handling and Storage</b>	
Handle in accordance with good industrial hygiene and safety practices. Avoid contact with eyes, skin and clothing. After handling and before eating, drinking or smoking, wash hands and face thoroughly with soap and water. Keep containers closed.	

<b>Section VIII. Exposure Controls and Personal Protection</b>	
Protective clothing	Apply the appropriate protective measures for safe handling of chemicals. Rubber or plastic gloves. Chemical splash goggles or face mask. Protective clothing, apron. Rubber boots.
Engineering controls	General ventilation is recommended.

<b>Section IX. Physical and Chemical Properties</b>	
Appearance (physical state, color, etc.) / Odor	Blue-green liquid, odorless
Odor threshold	Data not available
pH	7
Melting point / Freezing point	Data not available
Initial boiling point and boiling range	Data not available
Flash point	Non applicable
Evaporation rate	Data not available
Flammability (solid, gas)	Non-flammable
Upper / Lower flammability	Non applicable
Vapor pressure	Data not available
Vapor density	Data not available
Liquid density	Data not available
% Volatile	Data not available
Specific gravity	1 at 20 °C
Solubility	Soluble in water
Coefficient of Water/Oil distribution	Data not available
Auto-ignition temperature	Non applicable
Decomposition temperature	Data not available

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Viscosity	Data not available
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Section X. Stability and Reactivity	
Instability conditions	Stable
Conditions to avoid	Data not available
Materials to avoid	Incompatible with strong oxidising agents, acids, alkalis.
Hazardous decomposition products	Not determined
Hazardous polymerization	No risk of dangerous polymerization

Section XI. Toxicological Information	
Route of exposure	Conclusion / Remarks
Skin	Prolonged or repeated skin contact may cause irritation.
Eye	Prolonged or repeated skin contact may cause irritation.
Inhalation	May cause irritation if inhaled.
Ingestion	Maybe harmful if swallowed.
Mutagenicity	Not available
Carcinogenicity	Not available
Reproductive toxicity	Not available
STOT-single exposure	Not available
STOT-repeated exposure	Not available
Aspiration hazard	Not available
Acute toxicity	Irritant. Other information not available.
Chronic Overexposure	None known

Section XII. Ecological Information	
Ecotoxicity	Not available
Mobility	Not available
Persistence and Degradability	Not available
Bioaccumulation potential	Not available

Section XIII. Disposal Considerations	
Disposal recommendations	Dispose of in accordance with federal, provincial and local regulations.
Disposal of damaged packaging	If the container contains residue of a hazardous product, follow all MSDS and label precautions even after container is emptied.
Regulatory disposal information	Data not available

Section XIV. Transport Information	
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T.D.G. Classification

Not controlled

### Section XV. Regulatory Information

#### Exposure Limits

Sodium Hydroxide (CAS 1310-73-2)

**ACGIH-TLV:** 2 mg/m<sup>3</sup> (Ceiling)

**OSHA-PEL:** 2 mg/m<sup>3</sup> (9293)

### Section XVI. Other information

While the company believes the data set forth herein are accurate as the date hereof, the company makes no warranty with respect thereto and expressly disclaims all liability for reliance thereon. Such data are offered solely for your consideration and verification.

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