



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

Nutrafin Test Kit
Reagent pH 4.5-9.0
A7816

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Section I. Product and Company Identification	
Product name	Nutrafin pH Wide Range Reagent pH 4.5-9.0
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
 	B-2: Flammable liquid D-2A: Materials causing other toxic effects (Very toxic) D-2B: Materials causing other toxic (Toxic)

Section III. Composition and Information on Ingredients			
Ingredients	Conc. (%)	CAS #	EC #
Ethyl Alcohol, Denatured	30-60	64-17-5	200-578-6

Section IV. First Aid Measures	
Eye contact	Immediately flush with copious quantities of water. If victim wear contact lenses, remove them 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	Remove the contaminated clothes and flush with plenty of water and soap. In case of irritation seek medical attention.
Inhalation	Remove victim to fresh air. If symptom persists, obtain medical attention.
Ingestion	Have conscious person drink several glasses of water. Never administered 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
Avoid high temperatures, flames, and ignition sources. Incompatible with strong oxidising agents, strong acids, alkalis.
Special protective actions for fire-fighters
Wear adequate personal protection to prevent contact with material or it combustion products. Self-contained breathing apparatus with a full-face piece operated in a pressure demand or other positive pressure mode.



MATERIAL SAFETY DATA SHEET

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Section VI. Accidental Release Measures	
Person-related safety precautions	Wear adequate personal protective equipment and clothing (e.g. chemical splash goggles, gloves, apron, rubber boots).
Measures for environmental protection	Prevent entry into drains, waterways or sewers.
Measures for cleaning/collecting	Avoid any ignition source. Use an inert absorbent material such as clay, sand, earth or vermiculite. Place in closed container for disposal. Aerate and clean the spill area after product complete removal.

Section VII. Handling and Storage	
Handle in accordance with good industrial hygiene and safety practices. After handling and before eating, drinking or smoking, wash hands and face thoroughly with soap and water. Prevent accidental contact with incompatible chemicals. Avoid excessive heat, open flame, sources of ignition. Store away from acids and other incompatible materials. Keep containers closed and in upper position.	

Section VIII. Exposure Controls and Personal Protection	
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.

Section IX. Physical and Chemical Properties	
Appearance (physical state, color, etc.) / Odor	Red liquid, alcohol odor
Odor threshold	Data not available
pH	3
Melting point / Freezing point	Data not available
Initial boiling point and boiling range	Data not available
Flash point	Data not available
Evaporation rate	Data not available
Flammability (solid, gas)	Data not available
Upper / Lower flammability	Data not available
Vapor pressure	Data not available
Vapor density	Data not available
Liquid density	Data not available
% Volatile	Data not available
Specific gravity	0.9 at 20 °C

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Solubility	Soluble in water
Coefficient of Water/Oil distribution	Data not available
Auto-ignition temperature	Data not available
Decomposition temperature	Data not available
Viscosity	Data not available

Section X. Stability and Reactivity	
Instability conditions	Stable under recommended storage conditions.
Conditions to avoid	Avoid high temperatures, flames, and ignition sources.
Materials to avoid	Incompatible with strong oxidising agents, strong acids, alkalis.
Hazardous decomposition products	Data not available
Hazardous polymerization	No risk of dangerous polymerization

Section XI. Toxicological Information	
Route of exposure	Conclusion / Remarks
Skin	Material irritates the skin. Prolonged or repeated skin contact may lead to drying, irritation and dermatitis.
Eye	Causes irritation. May cause permanent damage.
Inhalation	If inhaled, throat and lung irritation. Breathing vapor may cause headaches, nausea, vomiting, dizziness and loss of muscle coordination.
Ingestion	May cause damage to central nervous system and internal organs. May lead to blindness and death.
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	Irritating to eyes and upper respiratory tract.

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



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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	
T.D.G. Classification	UN1170, Ethanol Solution PG: II, Class 3

Section XV. Regulatory Information
Exposure Limits Ethyl Alcohol, Denatured (CAS 64-17-5) ACGIH-TLV: 1000 ppm OSHA-PEL: 1000 ppm

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.

Prepared by Rolf C. Hagen Inc. (514) 457-0914	Validated: December 1 st , 2014
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