



MATERIAL SAFETY DATA SHEET

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

Nutrafin Test Kit
Reagent#2 for Calcium
A7852

Page 1 of 4

Section I. Product and Company Identification	
Product name	Nutrafin Calcium Reagent #2
CAS #	Mixture
Use	To measure calcium in aquarium containing fresh and saltwater
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 #
Propylene glycol	60 -100	57-55-6	200-338-0

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 at least 15 minutes holding lids apart to ensure flushing of the entire surface. Seek medical attention.
Skin contact	May cause irritation to skin. Remove the contaminated clothes and flush with plenty of water and soap.
Inhalation	Remove victim to fresh air.
Ingestion	Do not induce vomiting. May be harmful if swallowed. Have conscious person drink several glasses of water. Never administrated any liquids to an unconscious or convulsing person. Seek medical attention.

Section V. Fire Fighting Measures	
Suitable extinguishing media	Carbon dioxide (CO ₂), dry chemical, water spray or alcohol foam.
Specific hazards arising from the chemical	Emits toxic fumes under fire conditions. Water jet can spread the fire. Move containers from fire area if it can be done safely. Cool with water spray exposed containers.
Special protective actions for fire-fighters	Wear adequate personal protection to prevent contact with material or it combustion products. Use self-contained breathing apparatus.

Section VI. Accidental Release Measures	
Person-related safety precautions	Wear adequate personal protective equipment and clothing

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	(e.g. chemical splash goggles, gloves, apron, rubber boots).
Measures for environmental protection	None specified
Measures for cleaning/collecting	Eliminate all ignition sources and ventilate. Use an inert absorbent material such as clay, sand, earth or vermiculite. Place in closed container for disposal.

Section VII. Handling and Storage

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. Prevent accidental contact with incompatible chemicals. Store away from oxidizing agents and other incompatible materials in a cool, well-ventilated area. 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	Viscous liquid, red to purple
Odor threshold	Data not available
pH	6-8
Melting point / Freezing point	< -50 °C
Initial boiling point and boiling range	> 180 °C
Flash point	> 90 °C
Evaporation rate	Data not available
Flammability (solid, gas)	Data not available
Upper / Lower flammability or explosive limits	Data not available
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	Miscible in water
Coefficient of Water/Oil distribution	Data not available
Auto-ignition temperature	Data not available



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Page 3 of 4

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, contamination and incompatible materials.
Materials to avoid	Incompatible with strong oxidizers, acids and reducing agents.
Hazardous decomposition products	Emits toxic fumes under fire conditions.
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. Propylene glycol LD ₅₀ (rabbit-skin): 20.8 g/kg
Eye	Prolonged or repeated eye contact may cause irritation.
Inhalation	None expected.
Ingestion	May be cause gastrointestinal disturbances. Propylene glycol LD ₅₀ (rat-oral): 20 g/kg
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	May be harmful by inhalation, ingestion, or skin absorption.
Chronic Overexposure	Not available

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



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Page 4 of 4

	all MSDS and label precautions even after container is emptied.
Regulatory disposal information	Data not available

Section XIV. Transport Information	
T.D.G. Classification	Not controlled

Section XV. Regulatory Information	
Not available	

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: November 28 th , 2014
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