



# MATERIAL SAFETY DATA SHEET

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

<b>Nutrafin Test Kit</b>
Phosphate #2 Reagent
A7842

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Section I. Product and Company Identification	
Product name	Nutrafin Phosphate Reagent #2
CAS #	Mixture
Use	To measure phosphate 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 #
Antimony Potassium Tartrate	0.1-1	28300-74-5	Not available

Section IV. First Aid Measures	
Eye contact	Immediately flush with copious quantities of water. If victim wears contact lenses, remove them and continue rinsing for at least 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. Seek immediate medical attention.
Inhalation	Remove victim to fresh air. If symptoms persist get medical attention.
Ingestion	Have conscious person drink several glasses of water. Never administered any liquids to an unconscious or convulsing person. Seek medical attention.

Section V. Fire Fighting Measures	
Suitable extinguishing media	
Use extinguishing media appropriate to surrounding fire conditions.	
Specific hazards arising from the chemical	
Thermal decomposition products are toxic and include antimony oxides.	
Special protective actions for fire-fighters	
Wear adequate personal protection to prevent contact with material or its combustion products. Self-contained breathing apparatus operated in a pressure demand or other positive pressure mode.	

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	Prevent entry into drains, waterways or sewers.



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protection	
Measures for cleaning/collecting	Use an inert absorbent material such as clay, sand, earth or vermiculite. Place in closed container for disposal. Clean the spill area after product complete removal.

<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. Prevent accidental contact with incompatible chemicals. Store away from acids and incompatible materials. Keep containers closed and in upper position.

<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	Liquid, odorless
Odor threshold	Data not available
pH	4-5
Melting point / Freezing point	Data not available
Initial boiling point and boiling range	Data not available
Flash point	Not applicable
Evaporation rate	Data not available
Flammability (solid, gas)	Non-flammable
Upper / Lower flammability or explosive limits	Not applicable
Vapor pressure	Not applicable
Vapor density	Not applicable
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	Not applicable
Decomposition temperature	Data not available
Viscosity	Data not available

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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 oxidizing agents.
Hazardous decomposition products	Thermal decomposition products are toxic and include antimony oxides.
Hazardous polymerization	No risk of dangerous polymerization.

Section XI. Toxicological Information	
Route of exposure	Conclusion / Remarks
<b>Skin</b>	May cause irritation and pain.
<b>Eye</b>	May cause irritation and pain.
<b>Inhalation</b>	If inhaled may cause nose and throat irritation.
<b>Ingestion</b>	More severe exposure may result in abdominal pain, nausea and headache. Antimony potassium tartrate LD <sub>50</sub> (rat-oral) acute: 115 mg/kg Phosphate reagent #2 LD <sub>50</sub> (rat-oral) acute: 23 000 mg/kg (product is diluted and is non-hazardous)
<b>Mutagenicity</b>	Not available
<b>Carcinogenicity</b>	Not available
<b>Reproductive toxicity</b>	Not available
<b>STOT-single exposure</b>	Not available
<b>STOT-repeated exposure</b>	Not available
<b>Aspiration hazard</b>	Not available
<b>Acute toxicity</b>	Dangerous by ingestion, inhalation or skin absorption.
<b>Chronic Overexposure</b>	Symptoms of chronic overexposure are like those for ingestion. To the best of our knowledge, the chemical, physical, and toxicity of this substance has not been fully investigated.

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.



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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

<b>Section XIV. Transport Information</b>	
T.D.G. Classification	Not controlled

<b>Section XV. Regulatory Information</b>	
<b>Exposure Limits</b>	
Antimony Potassium Tartrate (CAS 28300-74-5)	
<b>ACGIH TLV:</b> 0.5 mg (Sb)/m <sup>3</sup>	
<b>OSHA PEL:</b> 0.5 mg (Sb)/m <sup>3</sup>	

<b>Section XVI. Other information</b>	
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 3 <sup>rd</sup> , 2014
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