



Nutrafin Nitrate Test Kit
Reagent #3
A7848

Section I. Product identification and uses	
Product name	Reagent#3 Nitrate Test Kit
Chemical formula	Mixture
Chemical family	Mixture
Material uses	Reagent to determine nitrate in water.

Section II. Composition and information on ingredients					
Ingredients	Conc. (%)	CAS #	TLV	LD50	LC50
Zinc metal	0.1 to 1	7440-66-6	Not available		
Ethoxydiglycol	60 to 100	111-90-0	Not available	(Oral) 5,000 mg/kg (rat). (Skin) 8,500 µL/kg (rabbit)	
Propylene Glycol	15 to 40	57-55-6	Not available		

Section III. Hazardous ingredients		
WHMIS	Classification	Transport of dangerous goods
 	B3, D2B	Not controlled under TDG (Canada)

Section IV. Physical data	
Physical state and appearance/Odour	Suspension of metal in liquid
pH	Neutral
Percent volatile	Not available
Freezing point	Not available
Boiling point	Not available
Specific gravity	1 @ 20°C
Vapour density	Not available
Vapour pressure	Not available
Evaporation rate	Not available
Solubility	Insoluble in water

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Section V. Fire and explosion data		
Flammability conditions	Not available	
Fire extinguishing procedures	Use DRY chemical, CO ₂ , alcohol foam or water spray. Wear adequate personal protection to prevent contact with material or its combustion products. Self contained breathing apparatus with a full face piece operated in a pressure demand or other positive pressure mode.	
Fire and explosion hazards	Emits toxic fumes under fire conditions.	
Fire degradation products	Oxides of zinc and carbon. Zinc.	
Flash point	Flammable limit (%volume)	Auto-ignition temperature
>95°C	Minimum	Maximum
	Not available	Not available
		Not available

Section VI. Reactivity data	
Stability	Stable. Condition to avoid: High temperatures, sparks, open flames and all other sources of ignition.
Incompatibility	Acids, strong oxidizing and reducing agents.
Condition of reactivity	Product does not polymerize.
Hazardous decomposition products	Oxides of carbon.

Section VII. Toxicological properties	
Route of Entry	Ingestion and inhalation. Eye contact. Skin contact.
Effects of acute exposure	Not known
Eye	Can irritate the eyes.
Skin	Contact may cause irritation.
Inhalation	If inhaled, may cause nose and throat irritation.
Ingestion	Slightly toxic! May result in nausea, headache and dizziness.
Effects of chronic overexposure	To the best of our knowledge, the chemical, physical and toxicity data of this product has not been fully investigated.

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Section VIII. First aid measures	
Eye contact	Rinse immediately with plenty of running water for a minimum of 20 minutes while lifting upper and lower eyelids from time to time. If irritation persists, repeat flushing. Seek medical attention.
Skin contact	Remove the contaminated clothes and flush with plenty of water and soap. Seek medical attention if irritation persists.
Inhalation	Remove victim to fresh air. If symptom persists obtain medical attention.
Ingestion	If conscious, wash out mouth with water. Have conscious person drink several glasses of water or milk. Do not induce vomiting; never give anything by mouth to an unconscious or convulsing person. Seek medical attention.

Section IX. Preventive measures	
Protective clothing in case of spill and leak	Wear self-contained breathing apparatus, rubber boots and heavy rubber gloves.
Spill and leak	Evacuate the area. Absorb spill with inert materials such as clays, sand, earth or vermiculite and place in closed container for disposal. Clean the spill area after product complete removal. Clean the spill area after product complete removal. DO NOT empty into drain.
Waste disposal	According to all applicable regulations.

Section X. Handling and Storage	
Store in cool, well ventilated place away from heated areas, sparks and flame. Do not store with other incompatible materials, even in case of spill. Keep containers closed and in upper position.	

Section XI. Protective measures	
Protective clothing	Rubber or plastic gloves. Chemical splash goggles or face mask. Protective clothing, apron. Rubber boots. Do not wear contact lenses.
Engineering controls	General ventilation is recommended.

Section XII. Disposal considerations	
Product recommendation	See waste disposal above.
Unclean packaged recommendation	See waste disposal above.



MATERIAL SAFETY DATA SHEET

ROLF C. HAGEN INC. 20500 Trans Canada Hwy
Baie d'Urfé, Québec H9X 0A2

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Section XIII. Ecological Information

None available

Section IXV. Other information

Special precautions or comments Always wash hands after manipulation of product containers, and before eating. Harmful to aquatic life at low concentrations. Can be dangerous if allowed to enter drinking water intakes. Do not contaminate domestic or irrigation water supplies, lakes, streams, ponds or rivers.

Prepared by Rolf C. Hagen Inc.
(514) 457-0914

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