

Nutrafin test kit
NO₃ #3
A7848

Section I. Product identification and uses		Section II. Hazardous ingredients	
Product name	Nitrate reagent #3	- Zinc metal	0,2-0,3 % W/W
Chemical formula	Mixture	CAS : 7440-66-6	LMP : Not available
Chemical family	Mixture	- Ethoxydiglycol	70-80 % W/W
Material uses	Reagent to determine nitrate level in water	CAS : 111-90-0	LMP : Not available
		- Propylene glycol	20-30 % W/W
		CAS : 57-55-6	LMP : Not available

Section III. Physical data	
Physical state and appearance/Odour	Suspension of metal in liquid. Odourless.
pH	Neutral
Percent volatile	Not available
Freezing point	Not available
Boiling point	Not available
Specific gravity	1,0000 at 20°C
Vapour density	Not available
Vapour pressure	Not available
Evaporation rate	Not available
Solubility	Insoluble in water

Section IV. Fire and explosion data	
Flash point:	> 95°C
Flammable limits :	Not available
Fire degradation products:	Oxides of zinc and carbon. Zinc.
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 facepiece operated in a pressure demand or other positive pressure mode.
Fire and explosion hazards:	Emits toxic fumes under fire conditions.



MATERIAL SAFETY DATA SHEET

ROLF C. HAGEN INC., 20500 TransCanada HWY,
Baie d'Urfé, QUEBEC, H9X 0A2
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Section V. Reactivity data	
Stability:	Stable. Conditions to avoid: High temperatures, sparks, open flames and all sources of ignition.
Hazardous decomposition product:	Oxides of carbon.
Incompatibility:	Acids, strong oxidizing and reducing agents.
Reaction products:	Not available. Product does not polymerize.

Section VI. Toxicological properties	
Routes of entry	
Effects of acute	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 of this substance has not been fully investigated.

Section VII. First aid measures	
Eye contact	Immediately flush with copious quantities of water for at least 20 minutes holding lids apart to ensure flushing of the entire surface. Seek medical attention.
Skin contact	Remove the contaminated clothes and flush with plenty of water and soap. Seek medical attention if irritation persists.
Inhalation	If inhaled, remove patient to fresh air. Get medical attention if symptoms persist.



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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 VIII. 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 vermiculate and place in closed container for disposal. Clean the spill area after product complete removal. DO NOT empty into drain.

Waste disposal

According to all applicable regulations.

Storage and handling

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 IX. 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 X. 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.

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