



MATERIAL SAFETY DATA SHEET

ROLF C. HAGEN INC., 20500 TransCanada HWY,
Baie d'Urfé, QUEBEC, H9X 0A2
CANADA

Nutrafin test kit
NH₃ #1
A7856

Section I. Product identification and uses		Section II. Hazardous ingredients	
Product name	Ammonia reagent#1	- Sodium hydroxide	8 - 10 %
Chemical formula	Mixture	CAS : 1310-73-2	TLV : 2 mg/m3 (ceiling)
Chemical family	Mixture		
Material uses	Reagent to determine ammonia in water		
Section III. Physical data			
Physical state and appearance/ Odour	Clear colorless liquid. Odourless.		
pH	13 - 14		
Percent volatile	> 95%		
Freezing point	32°F (0°C)		
Boiling point	212°F (100 °C)		
Specific gravity	1.08		
Vapour density	Not applicable		
Vapour pressure	Not applicable		
Evaporation rate	Not available		
Solubility	Soluble in water		
Section IV. Fire and explosion data			
- Flash point: Not applicable - Flammable limits: Non flammable - Auto-ignition temperature: Not applicable			
Section V. Reactivity data			
- Stability: Stable under normal conditions. Avoid high temperature and contamination.			



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Section VI. Toxicological properties	
Routes of entry	
Effects of acute exposure	Corrosive! Dangerous by ingestion, inhalation or skin absorption.
Eye	Causes severe burns. Permanent blindness may occur.
Skin	Causes severe burns if the exposed area is not washed immediately.
Inhalation	If inhaled, may cause nose and throat irritation.
Ingestion	Swallowing this material causes severe burns to the mouth, throat and stomach. Can cause death.
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 a minimum of 30 minutes holding lids apart to ensure flushing of the entire surface. If irritation persists, repeat flushing. Seek medical attention immediately.
Skin contact	Remove the contaminated clothes and flush with plenty of water for a minimum of 20 minutes.
Inhalation	If inhaled, remove patient to fresh air. If symptom persist, obtain medical attention.
Ingestion	Have conscious person drink several glasses of water or milk. Obtain medical attention immediately.



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Page 3 of 3

Section VIII. Preventive measures

Protective clothing in case of spill and leak

Not applicable

Spill and leak

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. DO NOT empty into drain.

Waste disposal

According to all applicable regulations.

Storage and handling

Store in cool dry area. Keep containers closed.

Section IX. Protective measures

Protective clothing

Not applicable

Engineering controls

Not applicable

Section X. Other information

Special precautions or comments

Before eating, drinking or smoke, wash face hands thoroughly with soap and water.

Prepared by Rolf C. Hagen Inc.
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