



MATERIAL SAFETY DATA SHEET

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

Nutrafin Test Kit
NH₃ #3
A7858

Section I. Product identification and uses	Section II. Hazardous ingredients
Product name Ammonia reagent #3	- Phenol 10 % CAS : 108-95-2 TLV : OSHA PEL : 5 ppm (TWA) (skin) ACGIH TLV : 5 ppm (TWA) (skin) - Ethyl Alcohol denatured 15 - 18 % CAS : 64-17-5 TLV : OSHA PEL : 1000 ppm ACGIH TLV : 1000 ppm - Sodium nitroprusside < 1 % CAS : 14402-89-2 TLV : OSHA PEL : 5 mg/m3
Chemical formula Mixture	
Chemical family Mixture	
Material uses Reagent to determine ammonia in water	

Section III. Physical data	
Physical state and appearance/ Odour	Light yellow, liquid. Phenolic.
pH	5 - 6
Percent volatile	Not available
Freezing point	Not available
Boiling point	Not available
Specific gravity	0.98
Vapour density	Not applicable
Vapour pressure	Not applicable
Evaporation rate	Not available
Solubility	Completely soluble in water.
Section IV. Fire and explosion data	
- Flash point : 41 C - Flammable limits : Non flammable - Auto-ignition temperature: Not applicable	
Section V. Reactivity data	
- Stability : Stable. Avoid high temperatures, contamination and light.	



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Section VI. Toxicological properties

Routes of entry

Effects of acute exposure	Dangerous by ingestion, inhalation or skin absorption. Highly toxic. Corrosive.
Eye	Causes severe burns. May cause permanent damages.
Skin	Causes severe burns if the exposed area is not washed immediately. Readily absorbed through skin.
Inhalation	If inhaled, causes nose and throat irritation, possibly burn respiratory tract.
Ingestion	If ingested, causes severe burns and poisoning of organs. Can also cause death.
Effects of chronic overexposure	Repeated exposure may cause symptoms described for acute poisoning. Can cause damage to the central nervous system.

Section VII First aid measures

Eye contact	Immediately flush with copious quantities of water 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	If inhaled, remove patient to fresh air. If the symptoms persist, consult a physician.



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Ingestion	If ingested, administer antidote kit (activated charcoal slurry) and oxygen if the patient is conscious. DO NOT induce vomiting. Never give something by mouth if unconscious or convulsing person. Seek immediate medical attention.
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	Keep containers closed and protect from light.

Section IX. Protective measures	
Protective clothing	Not applicable
Engineering controls	Not applicable

Section X. Other information	
Special precautions or comments	Toxic! Corrosive! Avoid all contact with product. Always wash hands after manipulation of product containers, and before eating.