


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

Nutrafin Test kit
NH3 Reagent# 3 for Fresh and Saltwater
A7858

Page 1 of 4

Section I. Product and Company Identification	
Product name	Nutrafin Ammonia Fresh and Saltwater Reagent #3
CAS #	Mixture
Use	To measure ammonia 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
	E: Corrosive D1B: Materials causing immediate and serious toxic effects D2A: Very toxic material causing other toxic effects

Section III. Composition and Information on Ingredients			
Ingredients	Conc. (%)	CAS #	EC #
Phenol	5 - 10	108-95-2	203-632-7
Ethyl Alcohol, Denatured	15-30	64-17-5	200-578-6
Sodium Nitroprusside	0.1 - 1.0	14402-89-2	238-373-9

Section IV. First Aid Measures	
Eye contact	Immediately flush with copious quantities of water for a minimum of 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 symptoms develop move victim to fresh air. If symptom persists, obtain medical attention.
Ingestion	If ingested administer antidote kit (activated charcoal slurry) and oxygen. Never give any liquids to an unconscious or convulsing person. Do not induce vomiting. Seek immediate medical attention.

Section V. Fire Fighting Measures	
Suitable extinguishing media	
Use extinguishing media appropriate to surrounding fire conditions.	
Specific hazards arising from the chemical	
Fire decomposition products are toxic and may include carbon oxides, nitrogen oxides and hydrogen cyanide	
Special protective actions for fire-fighters	

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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.

Section VI. Accidental Release Measures	
Person-related safety precautions	Wear adequate personal protective equipment and clothing (e.g. full face-shield, chemical splash goggles, gloves, apron, boots).
Measures for environmental protection	Prevent entry into drains, waterways or sewers.
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.

Section VII. Handling and Storage
Handle in accordance with good industrial hygiene and safety practices. Avoid operations that generate mist. 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 other incompatible materials. Keep containers closed and in upper position.

Section VIII. Exposure Controls and Personal Protection	
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.

Section IX. Physical and Chemical Properties	
Appearance (physical state, color, etc) / Odor	Light yellow liquid, phenolic odor
Odor threshold	Data not available
pH	5-6
Melting point / Freezing point	Data not available
Initial boiling point and boiling range	Data not available
Flash point	41°C
Evaporation rate	Data not available
Flammability (solid, gas)	Non-flammable
Upper / Lower flammability	Not applicable
Vapor pressure	Not applicable
Vapor density	Not applicable

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NH3 Reagent# 3 for Fresh and Saltwater
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Page 3 of 4

Liquid density	Data not available
% Volatile	Data not available
Specific gravity	1 @ 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

Section X. Stability and Reactivity	
Instability conditions	Stable under recommended storage conditions.
Conditions to avoid	Avoid high temperatures and flames. Protect from light and contamination.
Materials to avoid	Incompatible with strong oxidising agents and organic acids.
Hazardous decomposition products	Fire decomposition products are toxic and may include carbon oxides, nitrogen oxides and hydrogen cyanide
Hazardous polymerization	No risk of dangerous polymerization

Section XI. Toxicological Information	
Route of exposure	Conclusion / Remarks
Skin	Causes severe burns if the exposed area is not washed immediately. Readily absorbed through skin. Phenol LD ₅₀ (rabbit - skin): 630 mg/kg
Eye	Causes severe burns. May cause permanent damage.
Inhalation	If inhaled, may cause nose and throat irritation, possibly burn respiratory tract. Phenol LC ₅₀ (rat - inhalation): 316 mg/kg
Ingestion	If ingested, causes severe burns and poisoning of organs, can also cause death. Phenol LD ₅₀ (rat - oral): 317 mg/kg Sodium Nitroprusside Anhydrous LD ₅₀ (rat - oral): 99 mg/kg
Mutagenicity	Not available
Carcinogenicity	Not available
Reproductive toxicity	Not available
STOT-single exposure	Not available
STOT-repeated exposure	Not available
Aspiration hazard	Not available
Acute toxicity	Corrosive. Very toxic. Dangerous by ingestion, inhalation or skin

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	absorption.
Chronic Overexposure	Repeated exposure may cause symptoms described for acute poisoning. Can cause damage to the central nervous system.

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.
Disposal of damaged packaging	Data not available
Regulatory disposal information	Data not available

Section XIV. Transport Information	
T.D.G. Classification	UN2821, PG: II, Class 6.1

Section XV. Regulatory Information	
Exposure Limits	
Phenol (CAS 108-95-2)	
ACGIH-TLV: TWA: 5 ppm (skin)	
OSHA-PEL: TWA: 5 ppm (skin)	
Ethyl alcohol, denatured (CAS 64-17-5)	
ACGIH-TLV: 1000 ppm	
OSHA-PEL: 1000 ppm	
Sodium nitroprusside (CAS 14402-89-2)	
OSHA-PEL: TWA: 5 mg/m ³ as CN	

Section XVI. Other information	
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.	