


Nutrafin Water Conditioner
pH Ajust Down
A7982

Section I. Product and Company Identification	
Product name	Nutrafin Water Conditioner
CAS #	Mixture
Use	To reduce water's pH
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) D2B (Toxic material causing other effects)

Section III. Composition and Information on Ingredients			
Ingredients	Conc. (%)	CAS #	EC #
Sulfuric Acid	14-18	7664-93-9	231-639-5
Sodium Sulphate	5-8	7757-82-6	231-820-9
Water	Q.S.	7732-18-5	231-791-2

Section IV. 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 immediate medical attention.
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 persists, obtain medical attention.
Ingestion	Have conscious person drink several glasses of water or milk. Obtain medical attention immediately.

Section V. Fire Fighting Measures
Suitable extinguishing media
Use extinguishing media appropriate to surrounding fire conditions.
Specific hazards arising from the chemical
Not normally a fire hazard. Water content of product prevent ignition. Emit toxic fumes under fire conditions.

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Special protective actions for fire-fighters
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	Rubber or plastic gloves. Full face-shield and chemical splash goggles or face mask. Protective clothing, apron, rubber boots.
Measures for environmental protection	DO NOT empty into drain.
Measures for cleaning/collecting	Absorb spill with inert material such as clays, sand, earth, or vermiculate and place in closed container for disposal. Clean the spill area after product complete removal.

Section VII. Handling and Storage	
Store away from bases. Store in cool, well-ventilated area. Keep containers closed.	

Section VIII. Exposure Controls and Personal Protection	
Protective clothing	Rubber or plastic gloves. Full face-shield and 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	Liquid. Odourless.
Odor threshold	Not available
pH	1.1 -1.2 @20°C
Melting point / Freezing point	Not available
Initial boiling point and boiling range	Not available
Flash point	Not available
Evaporation rate	Not available
Flammability (solid, gas)	Not available
Upper / Lower flammability	Not available
Vapor pressure	Not available
Vapor density	Not available
Relative density	Not available
Solubility	Soluble in water
Partition coefficient: n-octanol/water	Not available

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Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	Not available

Section X. Stability and Reactivity	
Instability conditions	This product is stable under normal conditions.
Conditions to avoid	Avoid high temperatures and contamination.
Materials to avoid	Reducing agent, organic material, Alkalis, fine powdered metals.
Hazardous decomposition products	Thermal decomposition products are toxics and include sulfur oxides.
Hazardous polymerization	Not available

Section XI. Toxicological Information	
Route of exposure	Conclusion / Remarks
Skin corrosion/irritation	Cause severe burns if the exposed area is not washed immediately.
Serious eye damage/irritation	Cause severe burns. Permanent blindness may occur.
Respiratory or skin sensitization	If inhaled, may cause nose and throat irritation. Vapour (LC50): Acute 255ppm (rat -4 hr.).
Ingestion	Swallowing of this material causes severe burns to the mouth, throat and stomach, can cause death. Oral (LD50): Acute 472 mg/kg (rat).
Germ cell 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! Dangerous by ingestion, inhalation or skin absorption.

Section XII. Ecological Information	
Ecotoxicity	Not available
Mobility	Not available
Persistence and Degradability	Not available
Bioaccumulation potential	Not available



MATERIAL SAFETY DATA SHEET

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

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Section XIII. Disposal Considerations	
Disposal recommendations	Dispose of in an approved landfill in accordance with federal, provincial and local regulations.
Regulatory disposal information	Not available

Section XIV. Transport Information
TDG Class 8. PIN UN2796, SULFURIC ACID PG:II

Section XV. Regulatory Information
ACGIH TLV-STEL 3mg/M3 ACGIH TLV-TWA: 1mg/M3

Section XVI. Other Information
Before eating, drinking or smoking, wash face hands thoroughly with soap and water. 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.

Prepared by Rolf C. Hagen Inc. (514) 457-0914	Validated: February 28 th , 2014
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