MATERIAL SAFETY DATA SHEET

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

Laguna
Pond Clean
PT881 PT883

Section I. Product and Company Identification	
Product name	Laguna Pond Clean
CAS #	Mixture
Use	To help with ornemental pond maintenance
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 with other Toxic Effects

Section III. Composition and Information on Ingredients			
Ingredients	Conc. (%)	CAS #	EC #
Ethylenediamine tetraacetic acid copper disodium salt	7 - 13	14025-15-1	237-864-5
Tetrasodium salt of ethylenediamine tetraacetic acid	5 - 10	64-02-8	200-573-9
Potassium hydroxide	7 - 13	1310-58-3	215-181-3

Section IV. First Aid Measures	
Eye contact	Immediately flush with copious quantities of water. Check if the victim wear contact lenses and remove them, than for a minimum of 30 minutes holding lids apart to ensure flushing of the entire surface with water. 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 breathing has stopped give artificial respiration. If breathing is difficult, give oxygen by qualified medical personnel only. Get immediate medical attention.
Ingestion	Seek immediate medical attention or advice. Never give anything by mouth to an unconscious person. Rinse mouth thoroughly with water. Do not induce vomiting, unless directed by medical qualified personnel. If vomiting occurs spontaneously, keep victim's head lowered forward to reduce risk of aspiration.

Section V. Fire Fighting Measures
Suitable extinguishing media
Use extinguishing media appropriate to surrounding fire conditions.

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Specific hazards arising from the chemical
Carbone oxides, sulfur oxides, nitrogen oxides, sodium oxides, hydrogen sulfides (and gas), copper oxides and other irritant gas which may include toxic constituent. Including acid smoke and irritating fumes.
Special protective actions for fire-fighters
Wear adequate personal protection to prevent contact with material or it 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, aprons, 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. Keep away from children.

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. NIOSH approved respirator.
Engineering controls	General ventilation is recommended.

Section IX. Physical and Chemical Properties	
Appearance (physical state, color, etc) / Odor	Blue liquid with typical odour
Odor threshold	Data not available
pH	6.0 - 7.0
Melting point / Freezing point	Data not available
Initial boiling point and boiling range	Data not available

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Flash point	Data not available
Evaporation rate	Data not available
Flammability (solid, gas)	Data not available
Upper / Lower flammability	Data not available
Vapor pressure	Data not available
Vapor density	Data not available
Bulk density	Data not available
Liquid density	Data not available
% Volatile	Data not available
Specific gravity	1.1 @ 20 °C
Solubility	Soluble in water
Coefficient of Water/Oil distribution	Data not available
Auto-ignition temperature	Data not available
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.
Materials to avoid	Incompatible with strong oxidising agents, acids and metal.
Hazardous decomposition products	Fire decomposition products are toxic and may include hydrogen gas.
Hazardous polymerization	Does not polymerize

Section XI. Toxicological Information	
Route of exposure	**Conclusion / Remarks**
Skin	May cause severe burns if the exposed area is not washed immediately.
Eye	May cause moderate to sever eye irritation (and burns). Prolonged contact may cause corrosive burns and permanent eye damage.
Inhalation	If aerosols are inhaled, may cause nose and throat irritation. Symptoms include: coughing, chest pain and a feeling short breath.
Ingestion	Swallowing this material causes server burn to the mouth, throat and stomach. Can cause death. EDTA Cu Na_2 LD_{50} (rat - oral): 5,000 mg/kg
Mutagenicity	Not available

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Carcinogenicity	Not available
Reproductive toxicity	Not available
STOT-single exposure	Not available
STOT-repeated exposure	Not available
Aspiration hazard	Not available
Acute toxicity	Corrosive. Dermal irritant, toxic by ingestion.
Chronic Overexposure	Prrolonged skin contact ay cause skin dermatitis characterized by red itching skin.

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. Information relative au transport	
T.D.G. Classification	Not regulated

Section XV. Regulatory Information
Data not available

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.

Prepared by Rolf C. Hagen Inc. (514) 457-0914	Validated: November 27th, 2014