

**MATERIAL SAFETY DATA SHEET**ROLF C. HAGEN INC., 20500 TRANSCANDA HWY,
BAIE D'URFÉ, QUEBEC, H9X 0A2
CANADA

Laguna
Clear Fast
PT871 PT873

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Section I. Product and Company Identification	
Product name	Laguna Clear Fast
CAS #	Mixture
Use	Water clarifier
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
Not controlled	Not applicable

Section III. Composition and Information on Ingredients			
Ingredients	Conc. (%)	CAS #	EC #
Aluminium Chlorohydrate	1-5	12042-91-0	234-933-1

Section IV. First Aid Measures	
Eye contact	Flush eyes with copious quantities of water holding lids apart to ensure flushing of the entire surface. Seek medical attention if irritation occurs or persists.
Skin contact	Wash exposed area with plenty of water and soap.
Inhalation	If inhaled remove person to fresh air. Seek medical advice if effects persist.
Ingestion	Have conscious person drink several glasses of water. Never administered any liquids to an unconscious or convulsing person. Do not induce vomiting. Seek medical attention in case of discomfort.

Section V. Fire Fighting Measures	
Suitable extinguishing media	
Use extinguishing media appropriate to surrounding fire conditions.	
Specific hazards arising from the chemical	
Water based product. Not considered to be a fire hazard. Thermal decomposition may release toxic and/ or hazardous gases such as hydrogen chloride gas. Closed container may rupture if exposed to excess heat or flame due to a built-up of internal pressure. Move containers away from fire area if it is safe to do so. Keep containers exposed to fire cool with water spray.	
Special protective actions for fire-fighters	
Wear adequate personal protection to prevent contact with material or its combustion products. Self-contained breathing apparatus.	

Section VI. Accidental Release Measures	
Person-related safety precautions	Wear protective gloves (Neoprene or other impervious)



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	glove). Wear chemical goggles or full face piece respirator or breathing apparatus. Do not wear contact lenses.
Measures for environmental protection	Prevent entry into drains, waterways or sewers.
Measures for cleaning/collecting	Contain and absorb spills or leak with suitable absorbent material. Place solid residue into drums or other appropriate containers for off-site disposal. Dispose waste material in municipal or industrial landfill as allowed by regulatory authorities.

Section VII. Handling and Storage
 Handle in accordance with good industrial hygiene and safety practices. After handling and before eating, drinking or smoking, wash hands and face thoroughly with soap and water. Prevent accidental contact with incompatible chemicals. Store product in a closed container and in a dry and cool area between 0 and 50 °C. Store away from heat and incompatible materials.

Section VIII. Exposure Controls and Personal Protection

Protective clothing	Wear protective gloves (Neoprene or other impervious glove). Wear chemical goggles or full face piece respirator or breathing apparatus. Do not wear contact lenses.
Engineering controls	General ventilation is recommended.

Section IX. Physical and Chemical Properties

Appearance (physical state, color, etc) / Odor	Turquoise liquid. Slight characteristic odor.
Odor threshold	Data not available
pH	4.0-4.2
Melting point / Freezing point	-2 °C
Initial boiling point and boiling range	100.7 °C
Flash point	Not applicable
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
Liquid density	Data not available
% Volatile	Data not available
Specific gravity	1.080 – 1.085
Solubility	Miscible
Coefficient of Water/Oil distribution	Data not available

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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 contact with oxidizing materials and aluminum. Avoid high temperatures.
Materials to avoid	Alkali and metals (aluminum and zinc).
Hazardous decomposition products	Thermal decomposition may release toxic and/ or hazardous gases such as hydrogen chloride gas.
Hazardous polymerization	No risk of dangerous polymerization.

Section XI. Toxicological Information	
Route of exposure	Conclusion / Remarks
Skin	May be irritating with prolonged contact.
Eye	May cause irritation with redness and swelling.
Inhalation	Inhalation of mist or spray may cause irritation to the mucous membranes.
Ingestion	No adverse effects expected, however, large amounts may cause nausea and vomiting.
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	
Chronic Overexposure	No specific information. Repeated exposure to skin may result in sensitization dermatitis. Prolonged or repeated contact with the eyes may result in conjunctivitis.

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

Section XIII. Disposal Considerations



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Disposal recommendations	Dispose of in accordance with federal, provincial and local regulations.
Disposal of damaged packaging	If the container contains residue of a hazardous product, follow all MSDS and label precautions even after container is emptied.
Regulatory disposal information	Data not available

Section XIV. Transport Information	
T.D.G. Classification	Not applicable

Section XV. Regulatory Information	
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: October 31 st , 2014
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