



MATERIAL SAFETY DATA SHEET

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

Laguna Water Conditioner

Clear Fast

PT871 PT873

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Section I. Product identification and uses

Product name	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 Centre

Section II. Composition and information on ingredients

Ingredients	Conc. (%)	CAS #	EINECS #	LD50	LC50
Aluminium Chlorohydrate	15-40	12042-91-0			

Section III. Hazardous ingredients

WHMIS	Classification	Transport of dangerous goods
Not regulated	Not applicable	Not regulated

Section IV. Physical data

Physical state and appearance/Odour	Turquoise liquid with slight characteristic odour.
pH	4.0 – 4.2
Percent volatile	Not applicable
Freezing point	24.8°F (-2°C)
Boiling point	213.5°F (100.7°C)
Specific gravity	1.085-1.088
Vapour density	Not available
Odour threshold	Not available
Vapour pressure	Not available
Evaporation rate	Not available
Solubility	Miscible

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Section V. Fire or explosion risk			
Flammability conditions			
Water based product. Non flammable. Hydrochloric acid gas may be released in a fire.			
Means of extinction			
Does not burn. Use extinguishing media appropriate for surrounding fire.			
Procedures in case of a fire			
Immediately evacuate personnel to safe area. Fire fighters should wear full protective clothing, including self-contained breathing apparatus with full face piece operated in positive pressure mode. Fight fire from safe distance. Closed containers may rupture if exposed to excess heat or flame due to a build-up of internal pressure. Move containers from fire area if safe to do so. Cool closed containers exposed to fire with water spray. Do not allow run-off from fire fighting to enter drains or water course.			
Hazardous combustion materials			
Hydrochloric acid gas and other irritant gas which may include toxic constituent.			
Flash point	Flammability threshold		Temp auto-ignition
Not available	Minimal	Maximal	Not available
	Not available	Not available	

Section VI. Reactivity data	
Instability conditions	Stable. Will not self-polymerize or undergo decomposition.
Incompatible products	High temperature and alkali / metals (zinc & aluminum).
Reactivity conditions	See incompatible products.
Hazardous decomposition products	Hydrogen gas (in case of contact with metals), & hydrochloric acid and other possibly toxic gas in case of fire.

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Section VII. Toxicological properties	
Routes of entry	Absorbed through inhalation and ingestion.
Effects of acute	No specific information.
Eye	Direct contact irritates slightly to moderately with redness and swelling.
Skin	A single relatively short exposure causes no known adverse effect. Several repeated prolonged exposures (24 to 48 hours) may irritate.
Inhalation	No specific information. Similar materials can cause irritation.
Ingestion	Small amount transferred to the mouth by fingers during use, etc., should not injure.
Effects of chronic overexposure	No specific information. Repeated exposure to skin may result in sensitisation dermatitis. Prolonged or repeated contact with the eyes may result in conjunctivitis.
Note for Physician	Treat symptomatically

Section VIII. First aid	
Eye contact	Flush eyes with large quantities of water for at least 15 minutes, alternately lifting each eyelid no sign of product is found.
Skin contact	Wipe off and flush with water.
Inhalation	If inhaled, remove to fresh air. Get medical attention if there is any discomfort.
Ingestion	Get medical attention if large amount swallowed or there is any discomfort.

Section IX. Accidental release measures	
Person-related safety precautions	Wear protective gloves (Neoprene or other impervious glove). Wear chemical goggles or full face piece respirator or breathing apparatus. Do not wear contact lenses.
Measures for environmental protection	Dispose of waste material in municipal or industrial landfill as allowed by regulatory authorities. Flush contaminated area with soap and water and drain to industrial wastewater treatment plant.
Measures for cleaning/collecting	Contain and absorb spills or leaks with suitable absorbent material. Place solid residue into drums or other appropriate containers for off-site disposal.

Section X. Handling and storage	
Store away from high temperature. Store between 0°C and 50°C.	



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Section XI. Exposure controls and personal protection

Protective clothing	Wear chemical resistant gloves, impervious protective clothing and chemical safety goggles.
Engineering controls	None

Section XII. Disposal considerations

Product recommendation	Dispose of in accordance with federal, provincial and local regulations.
Uncleaned packaging recommendation	Empty containers may be recycled or discarded as general trash.

Section XIII. Ecological information

Not available

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