



MATERIAL SAFETY DATA SHEET

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

Fluval

Water Conditioner

A8340 A8342 A8343 A8344 A8345

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Section I. Product identification and uses

Product name	Water Conditioner
CAS #	Mixture
Use	Aquarium Conditioner.
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
Proprietary mixture of substances that are not controlled according to WHMIS classification					

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	Slightly viscous brownish liquid. Characteristic medicinal herbal.
pH	9.0-9.5
Percent volatile	Not applicable
Freezing point	24.8°F (-2°C)
Boiling point	Not applicable
Specific gravity	1.025-1.027
Vapour density	Not available
Odour threshold	Not available
Vapour pressure	Not available
Evaporation rate	Not available
Solubility	100% soluble in water

Section V. Fire or explosion risk

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Flammability conditions			
Not applicable			
Means of extinction			
Not applicable			
Procedures in case of a fire			
Not applicable			
Hazardous combustion materials			
Not applicable			
Flash point	Flammability threshold		Temp auto-ignition
Not available	Minimal	Maximal	Not available
	Not available	Not available	

Section VI. Reactivity data	
Instability conditions	Stable under normal conditions, will not polymerize
Incompatible products	Open flame and heat, avoid strong oxidizing agent and acids
Reactivity conditions	None known
Hazardous decomposition products	None known. Refer to hazardous combustion materials.

Section VII. Toxicological properties	
Routes of entry	Eye, skin, digestive system
Effects of acute	Dermal irritant, toxic by ingestion.
Eye	May cause moderate to severe eye irritation. Prolonged contact may cause corrosive burns and eye damage.
Skin	May cause mild skin irritation on prolonged contact. Symptom may include redness, itching and swelling.
Inhalation	If mists are formed, inhalation may cause moderate irritation of the nose, throat and respiratory tract. Symptom may include coughing, chest pain and shortness of breath.
Ingestion	Swallowing may cause irritation, nausea and vomiting.
Effects of chronic overexposure	Prolonged skin contact may cause dermatitis, characterized by red, dry, itching skin.



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Section VIII. First aid

Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Seek immediate attention/advice.
Skin contact	Remove/Take off immediately all contaminated clothing. Wash exposed area thoroughly with soap and water for at least 15 minutes. If irritation persists, seek prompt medical attention.
Inhalation	Immediately remove person to fresh air. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen by qualified medical personnel only. Get medical attention.
Ingestion	Seek immediate medical attention/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 IX. Accidental release measures

Person-related safety precautions	Safety goggles, impervious gloves and apron should be worn. An eye wash station and safety shower should be made available in the immediate working area. Other equipment may be required depending of the workplace standards.
Measures for environmental protection	Evacuate personnel from spill area. Restrict access to area until completion of clean-up. Remove all source of ignition. Provide adequate ventilation. Stop spill at source if it is safe to do so. Ensure spilled product does not enter drains, sewers, waterways, or confined spaces. For large spills, dike area to prevent spreading. Contain and absorb spilled liquid with non-combustible inert absorbent material, than place absorbent into a container for later disposal.
Measures for cleaning/collecting	According to local, provincial, federal regulations.

Section X. Handling and storage

Handle in accordance to good industrial hygiene and safety practice.

Section XI. Exposure controls and personal protection

Protective clothing	Refer to Section IX – Protective clothing in case of spill and leak.
Engineering controls	Use general or local exhaust ventilation.

Section XII. Disposal considerations

Product recommendation	None available
Unclean packaging recommendation	According to local, provincial, federal regulations.



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Section XIII. Ecological information

The ecological characteristic of this product have not been fully investigated. The product should not be allowed to enter drains, or water course, or be deposited where it can affect ground or surface waters.

Prepared by Rolf C. Hagen Inc.
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Validated March 1st, 2013

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.