



MATERIAL SAFETY DATA SHEET

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

Fluval SEA

Magnesium Supplement

A8261 / A8262

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Section I. Product identification and uses

Product name	Marine Magnesium Supplement
CAS #	Mixture
Use	To adjust magnesium levels in aquarium water
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 #	LD50	LC50
Magnesium chloride hexahydrate	40 - 70	7791-18-6	NA	NA

Section III. Hazardous ingredients

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

Section IV. Physical data

Physical state and appearance/Odour	Clear liquid / Odourless
pH	6.5 – 7.5
Percent volatile	Not applicable
Freezing point	Not available
Boiling point	Not available
Specific gravity	1.22 - 1.23
Vapour density	Not available
Odour threshold	Not available
Vapour pressure	Not available
Evaporation rate	Not available
Solubility	Soluble

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Section V. Fire or explosion risk			
Flammability conditions			
Water based product. Non flammable.			
Means of extinction			
Does not burn. Use extinguishing media appropriate for surrounding fire.			
Procedures in case of a fire			
Fire fighters should wear full protective clothing, including self-contained breathing equipment.			
Hazardous combustion materials			
Thermal decomposition products may include: chloride ions, chlorine gas, oxide of magnesium and irritating gases.			
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.	
Incompatible products		Strong oxidizers. Strong base. Alkali metal and their hydroxides	
Reactivity conditions		With incompatible	
Hazardous decomposition products		Thermal decomposition products may include: chloride ions, chlorine gas, oxide of magnesium and irritating gases.	

Section VII. Toxicological properties	
Routes of entry	Ingestion
Effects of acute	See below.
Eye	May cause irritation
Skin	Not absorbed through skin. May cause irritation
Inhalation	Vapors are unlikely due to physical properties. Mist may cause irritation to upper respiratory tract (nose and throat).
Ingestion	Ingestion of large amounts may cause nausea, gastrointestinal upset and abdominal pain.
Effects of chronic overexposure	Not available



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Section VIII. First aid

Eye contact	Rinse eyes with water for at least 15 minutes, lifting upper and lower eyelids from time to time. If irritation persists, seek medical attention.
Skin contact	Remove all contaminated clothing. Wash skin with mild soap and water. If irritation persists, seek medical attention.
Inhalation	Remove victim to fresh air. If victim is not breathing, begin artificial respiration. If there is no pulse, begin CPR. Obtain urgent medical attention if there is no breathing.
Ingestion	Do not induce vomiting. Have victim rinse mouth and give 1 glass of water to dilute material. Seek medical attention.

Section IX. Accidental release measures

Person-related safety precautions	Wear appropriate protective equipment.
Measures for environmental protection	No information available
Measures for cleaning/collecting	Wash with water. Can be flushed into sewer or water courses.

Section X. Handling and storage

Store away from incompatible.

Section XI. Exposure controls and personal protection

Protective clothing	Chemical resistant gloves. Wear impervious protective clothing. Chemical safety goggles.
Engineering controls	No information available



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Section XII. Disposal considerations

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

No information available

Prepared by Rolf C. Hagen Inc.
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