

Fluval
Plant Fertilizer
A8358, A8359, A8360, A8361

Section I. Product identification and uses	
Product name	Fluval Plant Fertilizer
CAS #	Mixture
Use	Aquatic Plant Fertilizer
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 #	TLV	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	Red liquid with light thiamine odour
pH	5.4 – 5.6
Percent volatile	Not available
Freezing point	32° F (0°C)
Boiling point	Not available
Specific gravity	1.016 – 1.022
Vapour density	As water
Vapour pressure	As water
Evaporation rate	As water
Solubility	100% soluble in water

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Section V. Fire and explosion data			
Flammability conditions	Non flammable.		
Fire extinguishing procedures	Does not burn. Use extinguishing media appropriate for surrounding fire.		
Fire and explosion hazards	Not applicable		
Fire degradation products	Not applicable		
Flash point	Flammable limit (%volume)		Auto-ignition temperature
Not available	Minimum	Maximum	Not available
	Not available	Not available	

Section VI. Reactivity data	
Stability	Stable under normal conditions. Avoid high temperatures and contamination.
Incompatibility	Not available
Reaction products	Product does not polymerize.
Hazardous decomposition products	Not available

Section VII. Toxicological properties	
Route of Entry	Absorbed through inhalation and ingestion.
Effects of acute	Not available
Eye	Slightly irritant in case of eye contact.
Skin	May cause irritation with prolonged contact
Inhalation	Non available
Ingestion	This product is moderately toxic to humans.
Effects of chronic overexposure	Not available

Section VIII. First aid measures	
Eye contact	Flush eye with large amount of running water for at least 15 minute, keeping eyelids open. Consult a physician if irritation persists.
Skin contact	Wash with soap and water.
Inhalation	Not available
Ingestion	Contact a physician immediately.

Section IX. Preventive measures	
Protective clothing in case of spill and leak	Wear rubber gloves and boots. Safety glasses are recommended.
Spill and leak	Large spills (several litres or more) should be first neutralized with lime and removed with a suitable absorbent material. Clean with



MATERIAL SAFETY DATA SHEET

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

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	water.
Waste disposal	Dispose according to local and regional authority requirements.

Section X. Handling and Storage
Standard storage.

Section XI. Protective measures	
Protective clothing	Chemical safety goggles. Wear impervious protective clothing.
Engineering controls	None

Section XII. Disposal considerations	
Product recommendation	Not applicable.
Unclean packaged recommendation	Empty containers may be recycled or discarded as general trash.

Section XIII. Ecological Information
Not available

Section IXV. Other information	
Special precaution or comments	For shipping, this product is not regulated by TGD. Maintain good personal hygiene after handling.

Prepared by Rolf C. Hagen Inc. (514) 457-0914	Validated January 31 st , 2013
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