



# MATERIAL SAFETY DATA SHEET

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

<b>Fluval</b>
<b>Activated Carbon</b>
A1440 A1445 A1447 A1448 14011 14012 & 14013

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Section I. Product and Company Identification	
Product name	Fluval Activated Carbon filter insert
CAS #	64365-11-3
Use	Mechanical – Chemical Water Filtration Cartridges
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 Classified under WHIMS 1988	Not Classified under WHIMS 1988

Section III. Composition and Information on Ingredients			
Ingredients	Conc. (%)	CAS #	EC #
Activated Carbon	600-100%	64365-11-3	264-846-4

Section IV. First Aid Measures	
Eye contact	Flush with copious quantities of water for a minimum of 15 minutes holding lids apart to ensure flushing of the entire surface. Seek medical attention.
Skin contact	Remove the contaminated clothes and flush with plenty of water and soap. In case of irritation seek medical attention.
Inhalation	If inhaled, remove patient to fresh air. If symptom persists, obtain medical attention.
Ingestion	Have conscious person drink several glasses of water. If symptoms develop, seek medical attention.

Section V. Fire Fighting Measures	
Suitable extinguishing media	
Use extinguishing media appropriate to surrounding fire conditions.	
Specific hazards arising from the chemical	
It is difficult to ignite the cartridge, but the activated carbon inside tends to burn slowly (smoulder) without producing smoke or flame. Can form toxic gases (CO) and fumes. Avoid stirring up dust cloud of the material.	
Special protective actions for fire-fighters	
Wear adequate personal protection to prevent contact with material or its combustion products. Self-contained breathing apparatus with a full-face piece operated in a pressure demand or other positive pressure mode.	



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<b>Section VI. Accidental Release Measures</b>	
Person-related safety precautions	Rubber or plastic gloves. Safety glasses with slide shields. Wear appropriate dust resistant clothing.
Measures for environmental protection	DO NOT empty into drain. Not harmful to the environment.
Measures for cleaning/collecting	Isolate and contain spill. Use dry methods to collect spilled material. Avoid generating dust. Place collected material in a suitable container for reclamation or disposal.

<b>Section VII. Handling and Storage</b>
Good handling and housekeeping practices should be followed to minimize spills, generation of airborne dusts, and accumulation of dusts on exposed surfaces, Adequate ventilation is recommended to draw dust away from worker's breathing zones. Keep product away from incompatible material. Keep container closed and in upper position. Store in cool, well-ventilated area.

<b>Section VIII. Exposure Controls and Personal Protection</b>	
Protective clothing	Safety glasses with slide shields. Wear appropriate dust resistant clothing.
Engineering controls	General ventilation is recommended.

<b>Section IX. Physical and Chemical Properties</b>	
Appearance (physical state, color, etc) / Odor	Odourless black granular material
Odor threshold	Data not available
pH	8 -10
Melting point / Freezing point	Data not available
Initial boiling point and boiling range	Data not available
Flash point	Data not available
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
Bulk density	Data not available
Solubility	Insoluble in water.
Partition coefficient: n-octanol/water	Data not available
Auto-ignition temperature	Data not available
Decomposition temperature	Data not available

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Viscosity	Not applicable
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<b>Section X. Stability and Reactivity</b>	
Instability conditions	This product is stable under normal conditions.
Conditions to avoid	Avoid heat, open flame, sources of ignition.
Materials to avoid	Not available
Hazardous decomposition products	Oxides of carbon
Hazardous polymerization	Does not polymerize.

<b>Section XI. Toxicological Information</b>	
<b>Route of exposure</b>	<b>Conclusion / Remarks</b>
<b>Skin corrosion/irritation</b>	Not corrosive or primary skin irritant, physical irritation can occur.
<b>Serious eye damage/irritation</b>	Possibility of corneal damage when eyes are exposed to the dust.
<b>Respiratory or skin sensitization</b>	Not available
<b>Ingestion</b>	Not available
<b>Germ cell mutagenicity</b>	Not available
<b>Carcinogenicity</b>	Not available
<b>Reproductive toxicity</b>	Not available
<b>STOT-single exposure</b>	Not available
<b>STOT-repeated exposure</b>	Not available
<b>Aspiration hazard</b>	Not available
<b>Acute toxicity</b>	There is no known deleterious effect.
<b>Chronic Overexposure</b>	There is no known deleterious effect.

<b>Section XII. Ecological Information</b>	
Ecotoxicity	Not available
Mobility	Not available
Persistence and Degradability	Not available
Bioaccumulation potential	Not available

<b>Section XIII. Disposal Considerations</b>	
Disposal recommendations	Dispose of in an approved landfill in accordance with federal, provincial and local regulations.
Regulatory disposal information	Not available

<b>Section XIV. Transport Information</b>	
Not classified	



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### Section XV. Regulatory Information

None 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.

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