

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

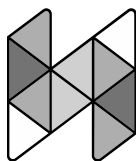
<b>Brand</b>
Trade Name; Fluval / Aqua Clear

Section 1. Product and company Information	
<b>Product Name</b>	Fluval Activated Carbon filter insert
<b>Product Code</b>	A597/A602/A612/A617/A622/A1377/A1380/A1382/A1384/A1386/A1440/A1445/A1447/A1448/14011/14012/14013
<b>Recommended Use and restrictions on Use</b>	Mechanical – Chemical Water Filtration Cartridges
<b>Supplier</b>	Rolf C. Hagen Inc., 20500 Trans Canada Hwy, Baie d'Urfé, H9X 0A2 Canada
<b>Emergency Telephone Number</b>	Call your local poison control center

Section 2. Hazard Identification	
<b>Classification</b>	Not Classified under WHIMS 1988
<b>GHS Label Elements</b>	<b>Hazard Pictograms; N/a</b>  <b>Signal Word: N/a</b>  <b>Hazard Statements: N/a</b>  <b>Precautionary Statement(s):</b>  <b>Storage:</b> Store in cool, well-ventilated area.  <b>Disposal: N/a</b>
<b>Other Hazards</b>	None known.

Section 3. Composition and Information on Ingredients			
<b>Chemical Name</b>	<b>CAS #</b>	<b>Concentration (%)</b>	<b>EC #</b>
Granulated Activated Carbon	64365-11-3	60-100%	264-846-4
To the present knowledge of the supplier, this product does not contain any hazardous ingredients in quantities requiring reporting in this section, in accordance with hazardous Products Regulation (HPR).			

Section 4. First-Aid Measures	
<b>Inhalation</b>	If inhaled, remove patient to fresh air. If symptom persists, obtain medical attention.
<b>Skin Contact</b>	Remove the contaminated clothes and flush with plenty of water and soap. In case of irritation seek medical attention.
<b>Eye Contact</b>	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.
<b>Ingestion</b>	Have conscious person drink several glasses of water. If symptoms develop, seek medical attention.
<b>Most Important Symptoms and Effects, Acute and Delayed</b>	<b>Inhalation:</b> Dust may cause mild irritation to the upper respiratory tract. <b>Skin contact:</b> Mild irritation is possible due to abrasive action of dust. <b>Eye contact:</b> May cause physical irritation. <b>Ingestion:</b> Possible mild irritation of respiratory tract due to drying. Nonn-Toxic
<b>Immediate Medical Attention and Special Treatment</b>	<b>Specific treatments:</b> Treat according to symptoms. <b>Protection of first-aiders:</b> No action shall be taken involving any personal risk or without suitable training.



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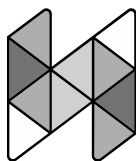
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Section 5. Fire-Fighting Measures	
<b>Suitable Extinguishing Media</b>	Uitable extinguishing media
<b>Unsuitable Extinguishing Media</b>	Use extinguishing media appropriate to surrounding fire conditions.
<b>Specific Hazards Arising from the Product</b>	Not applicable
<b>Hazardous combustion products</b>	It is difficult to ignite the cartridge, but the activated carbon inside tends to burn slowly (s moulder)without producing smoke or flame. Can form toxic gases (CO) and fumes. Avoi d stirring up dust cloud of the material.
<b>Special Protective Equipment and Precautions for Fire-Fighters</b>	Wear adequate personal protection to prevent contact with material or it combustion pro ducts. Self-contained breathing apparatus with a full face piece operated in a pressure demand or other positive pressure mode.

Section 6. Accidental Release Measures	
<b>Personal Precautions, Protective Equipment, and Emergency Procedures</b>	Rubber or plastic gloves. Safety glasses with slide shields. Wear appropriate dust resistant clothing.
<b>Environmental Precautions</b>	DO NOT empty into drain. Not harmful to the environment.
<b>Methods for Containment and Cleaning Up</b>	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.

Section 7. Handling and Storage	
<b>Precautions for Safe Handling</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.
<b>Conditions for Safe Storage</b>	Store in cool, well-ventilated area.

Section 8. Exposure Controls and Personal Protection						
Control Parameters						
Chemical Name	ACGIH® TLV®		OSHA PEL		AIHA® WEEL™	
	TWA	STEL	TWA	STEL	8-hr TWA	Short-term TWA [C]
<b>Appropriate Engineering Controls</b>	General ventilation is recommended.					



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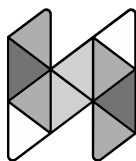
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<b>Individual Protection Measures</b>	<p><b>Eye/Face Protection:</b> Safety glasses with slide shields.  <b>Skin Protection:</b> Wear appropriate dust resistant clothing.  <b>Respiratory Protection:</b> Wear a qualified face mask.</p>
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Section 9. Physical and Chemical Properties	
Appearance, Physical State and Colour	Odourless black granular material
Odour	Tasteless
Odour Threshold	Data not available
pH	8-10
Melting Point and Freezing Point	Data not available
Initial Boiling Point and Boiling Range	Data not available
Flash Point	330 Deg C
Evaporation Rate	N/A
Flammability (solid, gas)	Data not available
Upper and Lower Flammability or Explosive Limit	Data not available
Vapour Pressure	Data not available
Vapour Density (air = 1)	Data not available
Relative Density (water = 1)	0.4-0.6 g/ml
Solubility in Water	Insoluble in water.
Solubility in Other Liquids	Data not available
Partition Coefficient, n-Octanol / Water (Log Kow)	Data not available
Auto-Ignition Temperature	Data not available
Decomposition Temperature	Data not available
Viscosity	Data not available

Section 10. Stability and Reactivity	
Reactivity	Data not available
Chemical Stability	This product is stable under normal conditions.
Possibility of Hazardous Reactions	This product is stable under normal conditions.
Conditions to Avoid	Avoid heat, open flame, sources of ignition.
Incompatible Materials	Data not available
Hazardous Decomposition Products	Oxides of carbon

Section 11. Toxicological Information	
Likely Routes of Exposure	Data not available
Acute Toxicity	
LC50	Data not available
LD50 (oral)	Data not available
LD50 (dermal)	Data not available
TWA	Data not available
Skin Corrosion / Irritation	Not corrosive or primary skin irritant, physical irritation can occur.
Serious Eye Damage / Irritation	Possibility of corneal damage when eyes are exposed to the dust.



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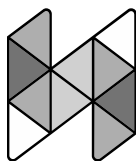
<b>STOT (Specific Target Organ Toxicity) - Single Exposure</b>	Low order of acute toxicity predicted			
<b>Aspiration Hazard</b>	Dust may stimulate the throat			
<b>STOT (Specific Target Organ Toxicity) - Repeated Exposure</b>	Data not available			
<b>Respiratory and/or Skin Sensitization</b>	Data not available			
<b>Other Injuries/Symptoms</b>	Data not available			
<b>Carcinogenicity</b>				
<b>Chemical Name</b>	<b>IARC</b>	<b>ACGIH®</b>	<b>OSHA</b>	<b>NTP</b>
<b>Reproductive Toxicity</b>				
<b>Development of Offspring</b>	This product is not expected to cause reproductive or developmental health effects.			
<b>Sexual Function and Fertility</b>	Data not available			
<b>Effects on or via Lactation</b>	Data not available			
<b>Germ Cell Mutagenicity</b>	Data not available			
<b>Interactive Effects</b>	Data not available			

<b>Section 12. Ecological Information</b>	
<b>Ecotoxicity</b>	Data not available
<b>Persistence and Degradability</b>	The product is readily biodegradable.
<b>Bioaccumulative Potential</b>	Product is not expected to bioaccumulate.
<b>Mobility in Soil</b>	No relevant studies identified.
<b>Other Adverse Effects</b>	Data not available

<b>Section 13. Disposal Considerations</b>	
<b>Disposal Recommendations</b>	Dispose of in accordance with all applicable local and national regulations.
<b>Disposal of damaged packaging</b>	Follow all SDS and label precautions even after container is emptied.

<b>Section 14. Transport Information</b>				
<b>Regulation</b>	<b>UN No.</b>	<b>Proper Shipping Name</b>	<b>Transport Hazard Class (es)</b>	<b>Packing Group</b>
<b>Canada TDG</b>				
<b>US DOT</b>	Data Not Regulated			
<b>IATA</b>	Not Restricted per Special Provision A3			
<b>IMDG</b>				

<b>Section 15. Regulatory Information</b>	
<b>Safety, Health and</b>	<b>Canada</b>

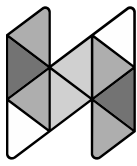


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<b>Environmental Regulations</b>	<p><b>WHIMIS 2015 Classification; D.2.B</b> This product was classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations and the MSDS contains all the information required by these regulations.</p> <p><b>Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL):</b>All ingredients were verified for inclusion on either the Domestic Substance List (DSL) or the Non-Domestic Substance List (NDSL).</p> <p><b>CEPA - National Pollutant Release Inventory (NPRI)</b></p> <p><b>USA</b></p> <p><b>Toxic Substances Control Act (TSCA) Section 8(b)</b></p> <p><b>Clean Water Act:</b></p> <p><b>SARA 302 Components;</b> This product does not contain any chemicals subject to SARA Title III Section 302.</p> <p><b>SARA 313 Components;</b> This product does not contain a chemical that is listed in Section 313 at or above de minimis concentrations.</p> <p><b>SARA 311/312 Hazard:</b> This product meets the following SARA Title III Section 311/312 categorizations: Acute Hazard.</p> <p><b>California Proposition 65 Components:</b> This product does not contain materials which the State of California has found to cause cancer, birth defects or other reproductive harm.</p>
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Section 16. Other information																	
<p><b>HMIS RATINGS</b></p> <table border="1"> <tr> <td>0</td> <td>HEALTH</td> </tr> <tr> <td>1</td> <td>FLAMMABILITY</td> </tr> <tr> <td>0</td> <td>PHYSICAL HAZARD</td> </tr> <tr> <td>0</td> <td>PERSONAL PROTECTION</td> </tr> </table>	0	HEALTH	1	FLAMMABILITY	0	PHYSICAL HAZARD	0	PERSONAL PROTECTION	<p><b>NFPA RATINGS</b></p> <table border="1"> <tr> <td>0</td> <td>HEALTH HAZARD</td> </tr> <tr> <td>1</td> <td>FIRE HAZARD</td> </tr> <tr> <td>0</td> <td>REACTIVITY</td> </tr> <tr> <td>n/a</td> <td>SPECIFIC HAZARD</td> </tr> </table>	0	HEALTH HAZARD	1	FIRE HAZARD	0	REACTIVITY	n/a	SPECIFIC HAZARD
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<p><b>Key to abbreviations</b></p> <p>ACGIH® = American Conference of Governmental Industrial Hygienists. TLV® = Threshold Limit Value. TWA = Time-Weighted Average. STEL = Short-term Exposure Limit. OSHA = US Occupation Safety and Health Administration. PEL = Permissible Exposure Limits. AIHA® = AIHA Guideline Foundation. WEEL™</p>																	



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= Workplace Environmental Exposure Limit. **IARC** = International Agency for Research on Cancer. **NTP**  
= National Toxicology Program.

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.

Prepared by Rolf C. Hagen Inc. Validated: 2023/09/11  
(514) 457-0914