



# MATERIAL SAFETY DATA SHEET

ROLF C. HAGEN INC. 20500 Trans Canada Hwy  
Baie d'Urfé, Québec H9X 0A2  
CANADA

<b>Fluval Technical</b>
<b>Nitrate Remover</b>
<b>A1502</b>

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Section I. Product identification and uses		Section II. Hazardous ingredients
Product name	Fluval Nitrate Remover	Does not contains hazardous ingredient.
Chemical formula	Mixture	
Chemical family	Organic polymer	
Material uses	To remove nitrate in water	

Section III. Physical data	
Physical state and appearance/Odor	White to yellow beads whit amine odor.
pH	Not available
Percent volatile	Not available
Freezing point	Not available
Boiling point	Not available
Specific gravity	Not available
Vapour density	Not available
Vapour pressure	Not available
Evaporation rate	Not available
Solubility	Insoluble in water

Section IV. Fire and explosion data
<p>Toxic fumes may be released in fire situations.</p> <p>Hazardous combustion products: Under fire conditions some components of this product may decompose. The smoke may contain unidentified toxic and/or irritating compounds. Combustion products may include and are not limited to: organic amines, nitrogen oxides, hydrogen chloride, hydrocarbons, carbon monoxide, carbon dioxide, benzene compounds.</p> <p>This material will not burn until the water has evaporated. Residue can burn.</p> <p>Extinguishing media: Water. Dry chemical fire extinguishers. Carbon dioxide fire extinguishers.</p>



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<b>Section V. Reactivity data</b>
<p>Stable under recommended storage conditions.</p> <p>Conditions to avoid: Exposure to elevated temperatures can cause product to decompose.</p> <p>Incompatibility materials: avoid contact with oxidizing materials. The severity of the reaction with oxidizing materials can vary from slight degradation to an explosive reaction.</p> <p>Hazardous decomposition products: Decomposition products depend upon temperature, air supply and the presence of other materials. Decomposition products can include and are not limited to chlorinated hydrocarbons, aromatic compounds, hydrocarbons, hydrogen chloride, organic amines.</p> <p>Hazardous Polymerization: will not occur.</p>

<b>Section VI. Toxicological properties</b>	
<b>Routes of entry</b>	
Effects of acute	Not available
Eye	May cause slight temporary eye irritation. Solid or dust may cause irritation or corneal injury due to mechanical action.
Skin	Prolonged exposure not likely to cause significant skin irritation. May cause more severe response if skin is abraded (scratched or cut). Prolonged skin contact is unlikely to result in absorption of harmful amounts.
Inhalation	No adverse effects are anticipated from inhalation. Vapours are unlikely due to physical properties.
Ingestion	Very low toxicity if swallowed. Harmful effects not anticipated from swallowing small amounts.
Effects of chronic overexposure	Not available



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### Section VII. First aid measures

Eye contact	Flush eyes thoroughly with water for several minutes. Remove contact lenses after initial 1-2 minutes and continue flushing for several additional minutes. If effects occur, consult a physician, preferably an ophthalmologist.
Skin contact	Wash skin with plenty of water.
Inhalation	Move person to fresh air; if effects occur, consult a physician.
Ingestion	No emergency medical treatment necessary.

### Section VIII. Preventive measures

Protective clothing in case of spill and leak	Use safety glasses or chemical goggles. Use gloves chemically resistant to this material.
Spill and leak	Spilled material may cause a slipping hazard. Sweep up. Prevent from entering into soil, ditches, sewers, waterways and/or groundwater.
Waste disposal	Do not dump into any sewers, on the ground or into any body of water. All disposal methods must be in compliance with all Federal, State/Provincial and local laws and regulations.
Storage and handling	Keep containers tightly closed when not in use. Store between 2-27°C (35-80F).

### Section IX. Protective measures

Protective clothing	Use safety glasses or chemical goggles. Use gloves chemically resistant to this material.
Engineering controls	Good general ventilation should be sufficient for most conditions.



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<b>Section X. Other information</b>	
Special precautions or comments	NOTE TO PHYSICIAN: No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

Prepared by Rolf C. Hagen Inc. (514) 457-0914	Validated: October 31 <sup>st</sup> , 2008
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