



# MATERIAL SAFETY DATA SHEET

ROLF C. HAGEN CORP 305 FORBE BLVD,  
MANSFIELD, MA 02048  
USA

<b>Algae Remover</b>
<b>Laguna</b>
<b>PT-905 / PT-906 / PT-907</b>

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<b>Section I. Product identification and uses</b>	
Product name	Algae Remover
CAS #	Mix
Use	String Algae Treatment
Supplier	Rolf C. Hagen Corp 305 Forbe Blvd Mansfield 02048
Emergency	Contact your local Poison Control Centre

<b>Section II. Composition and information on ingredients</b>					
Ingredients	Conc. (%)	CAS #	EINECS #	LD50	LC50
Sodium Percarbonate	50	15630-89-4			
Other ingredients	50				

<b>Section III. Hazardous ingredients</b>		
WHMIS	Classification	Transport of dangerous goods

<b>Section IV. Physical data</b>	
Physical state and appearance/Odour	White, granular, solid / None
pH	1% solution: 10.4 – 10.6
Percent volatile	
Freezing point	
Boiling point	
Bulk Density	1.0 – 1.2 g/cm <sup>3</sup>
Vapour density	



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Odour threshold	
Vapour pressure	
Evaporation rate	
Solubility	140 g/l @ 24° C (75° F)

<b>Section V. Fire or explosion risk</b>			
Flammability conditions			
Special Fire Hazards: Oxidizing substances that cause exothermic reactions with organic materials.			
Means of extinction			
Product is not flammable and can be quickly diluted with clean water.			
Procedures in case of a fire			
Hazardous combustion materials			
Reacts with oxidizing substances – decomposition may support combustion.			
Flash point	Flammability threshold		Temp auto-ignition
	Minimal	Maximal	

<b>Section VI. Reactivity data</b>	
Instability conditions	Stable under normal conditions
Incompatible products	Acids, Bases, Reducing Agents, Organic Materials. Oxidizing agents attack the organic components of these products. As with other organic carbonaceous compounds, these reactions produce heat which if contained in a confined space can cause fires. Hypochlorites, chlorinated isocyanurates, and perborates are examples of oxidizing agents.



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Reactivity conditions	Heat/Sources of Heat, Water/Moisture
Hazardous decomposition products	No uniquely hazardous decomposition products are expected. If the organic portion of product is burned, as with any nitrogen containing organic material, oxides or nitrogen, carbon dioxide, and water can be produced. Partial combustion may produce, in addition to the above, soot and various oxides of carbon.

<b>Section VII. Toxicological properties</b>	
<b>Routes of entry</b>	
Effects of acute	
Eye	Severe eye irritation, risk of serious eye lesions
Skin	Slight irritation
Inhalation	Slight nose and throat irritation
Ingestion	Severe irritation of the mouth, throat esophagus and stomach
Effects of chronic overexposure	

<b>Section VIII. First aid</b>	
Eye contact	Immediately flush with plenty of cool running water. Remove contact lenses. Continue flushing for at least 15 minutes, holding eyelids apart to ensure rinsing of the entire eye. Call a physician immediately.
Skin contact	Remove contaminated shoes, socks and clothing. Wash the affected skin with running water. Wash clothing before reuse.
Inhalation	Immediately move the person to fresh air. Consult with a physician in case of respiratory symptoms.



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Ingestion

Consult a physician. If conscious, rinse mouth and administer fresh water. Do NOT induce vomiting. UNDER NO CIRCUMSTANCES give anything by mouth to an unconscious person.

### Section IX. Accidental release measures

Person-related safety precautions

Measures for environmental protection

Do not return spilled or contaminated material to inventory. Clean the area with large quantities of clean, cold water.

Measures for cleaning/collecting

Collect the product with suitable means, shovel, and sweep, avoiding dust formation.

### Section X. Handling and storage

Maintain good housekeeping, avoid creating aerosols. For maintenance of product quality, store in dry cool (under 110<sup>0</sup>F) warehouse conditions.

- Never return unused product to the original container.
- Keep concentrate away from reactive substances.
- Prevent contact with organic materials.
- Keep product in original container
- Store in cool, dry area

### Section XI. Exposure controls and personal protection

Protective clothing

Eye Protection: ANSI approved safety glasses with side protection, and also dust proof. It is generally recognized that contact lenses should not be worn when working with chemicals because contact lenses may contribute to the severity of an eye injury.

Skin Protection: Body-covering clothing.

Hygienic Practices: Wear protective gloves that are chemical resistant. Always wash hands after handling chemical.

Respiratory Practices: In most circumstances, no respiratory protection should be needed.



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Engineering controls

<b>Section XII. Disposal considerations</b>
Product recommendation
Uncleaned packaging recommendation

<b>Section XIII. Toxicological information</b>
<u>Acute Toxicity:</u> Dermal = LD <sub>50</sub> Rats >5000 mg/kg Inhalation = LC 0 1 hour, rat > 4580 mg/m Oral = LD 50 rat 1526 mg/kg

<b>Section XIV. Transportation information</b>

Prepared by Rolf C. Hagen Corp. 1-800-724-2436	Validated October 30th, 2009
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