



SAFETY DATA SHEET

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

Green X Phos X
A1346, A1348

Section 1. Product and company Information	
Product Name	Green-X, Phos-X
Product Code	A1346, A1348
Recommended Use and restrictions on Use	To remove phosphate, nitrite and nitrate form pond
Supplier	Rolf C. Hagen Inc., 20 500 Trans Canada Hwy, Baie d'Urfé, H9X 0A2
Emergency Telephone Number	Call your local poison control center

Section 2. Hazard Identification	
Classification	The product is not classified according to GHS regulations.
GHS Label Elements	<p>Hazard Pictograms Not classified under GHS regulation.</p> <p>Signal Word Not classified under GHS regulation.</p> <p>Hazard Statements Not classified under GHS regulation.</p> <p>Precautionary Statement(s): Not classified under GHS regulation.</p> <p>Storage: Keep containers closed. Avoid contact with eyes, skin and clothing.</p> <p>Disposal: Dispose contents / containers to an approved waste disposal plant.</p>
Other Hazards	None known.

Section 3. Composition and Information on Ingredients			
Chemical Name	CAS #	Concentration (%)	EC #
Polymer Odor Resin / Hydro bead mix	Neutral state / 68062-01-0-	10%/90%	-Not available
Notes	Concentrations are expressed in % weight/weight.		

Section 4. First-Aid Measures	
Inhalation	If inhaled, remove patient to fresh air and keep at rest in a position comfortable for breathing. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. If symptoms develop seek medical attention.
Skin Contact	Remove all contaminated clothing and rinse skin with plenty of water and soap. If symptoms develop seek medical attention.

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Eye Contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for a minimum of 15 minutes holding lids apart to ensure flushing of the entire surface. If symptoms develop seek medical attention.
Ingestion	DO NOT INDUCE VOMITING. Never give anything by mouth to unconscious person. Rinse mouth with water. Have a conscious person drink several glasses of water. Seek medical attention.
Most Important Symptoms and Effects, Acute and Delayed	<p>Inhalation: Dust or mist inhalation at level above the TLV may cause irritation to the respiratory tract.</p> <p>Skin contact: May cause skin irritation, especially under repeated or prolonged contact, or when moisture is present.</p> <p>Eye contact: May irritate or bur the eyes. Similarly for the aqueous solution.</p> <p>Ingestion: May irritate the gastrointestinal tract.</p> <p>Delayed effects: None known</p>
Immediate Medical Attention and Special Treatment	<p>Special Instructions: For any symptoms, consult with physician.</p> <p>If inhaled: If breathed in, move person to fresh air. If not breathing, give artificial respiration.</p> <p>If on skin or in eyes: Wash off with soap and plenty of water.</p> <p>If swallowed: DO NOT INDUCE VOMITING. Never give anything by mouth to unconscious person. Rinse mouth with water. Call a physician.</p> <p>Specific treatments: Treat symptomatically.</p> <p>Protection of first-aiders: No action shall be taken involving any personal risk or without suitable training.</p>

Section 5. Fire-Fighting Measures	
Suitable Extinguishing Media	Use any extinguishing agent suitable for the surrounding fire.
Unsuitable Extinguishing Media	None
Specific Hazards Arising from the Product	None known.
Special Protective Equipment and Precautions for Fire-Fighters	Wear self-contained breathing apparatus for firefighting if necessary.

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Section 6. Accidental Release Measures	
Personal Precautions, Protective Equipment, and Emergency Procedures	Use adequate personal protection. Wear chemically protective gloves, lab coat or apron to protect skin. Remove contaminated clothing immediately. Wash contaminated clothes before reuse. Stop leak if safe to do so. Ventilate area.
Environmental Precautions	Avoid release to the environment. Do not let product enter drains.
Methods for Containment and Cleaning Up	Absorb spill with inert materials such as clays, sand, earth or vermiculite and place in closed container for disposal. Clean the spill area after product complete removal. Wash clothing and equipment after handling.

Section 7. Handling and Storage	
Precautions for Safe Handling	Wear adequate protective equipment. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not eat, drink, smoke, or use personal products when handling chemical substances. Do not breathe dust or mist of the product.
Conditions for Safe Storage	Keep containers well closed when not in use. Keep only in the original container in a cool, dry 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]
Polymere resin (neurtal state)	Not available	Not available	Not available	Not available	Not available	Not available
Appropriate Engineering Controls	General ventilation is recommended.					
Individual Protection Measures	Eye/Face Protection: No data available. Skin Protection: Full standard clothing is recommended if handling solutions and there is repeated or prolonged contact. Respiratory Protection: General Ventilation.					

Section 9. Physical and Chemical Properties	
Appearance, Physical State and Colour	Solid light brown granules or powder.
Odour	Odorless
Odour Threshold	No information available
pH	8,2
Melting Point and Freezing Point	No information available
Initial Boiling Point and Boiling Range	No information available

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Flash Point	Not flammable
Evaporation Rate	No information available
Flammability (solid, gas)	Not applicable
Upper and Lower Flammability or Explosive Limit	Not applicable
Vapour Pressure	No information available
Vapour Density (air = 1)	No information available
Specific Density	350gr per liter
Solubility in Water	3.5 (1% solution)
Solubility in Other Liquids	No information available
Partition Coefficient, n-Octanol / Water (Log Kow)	No information available
Auto-Ignition Temperature	Not applicable
Decomposition Temperature	No information available
Viscosity	No information available

Section 10. Stability and Reactivity	
Reactivity	Product does not polymerize.
Chemical Stability	Stable under recommended storage conditions. Avoid high temperatures (180C) as this will yield toxic and corrosive gases.
Possibility of Hazardous Reactions	No information is available.
Conditions to Avoid	No information is available.
Incompatible Materials	Not applicable
Hazardous Decomposition Products	No information available.

Section 11. Toxicological Information	
Likely Routes of Exposure	Ingestion. Inhalation. Skin contact. Eye contact
Acute Toxicity	
LC50	Not available
LD50 (oral)	Not available
LD50 (dermal)	Not available
TWA	Not available
Skin Corrosion / Irritation	Not available
Serious Eye Damage / Irritation	Not available

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STOT (Specific Target Organ Toxicity) - Single Exposure	No information available			
Aspiration Hazard	No information available			
STOT (Specific Target Organ Toxicity) - Repeated Exposure	Not available			
Respiratory and/or Skin Sensitization	Not available			
Other Injuries/Symptoms	To the best of our knowledge, the chemical physical, and toxicological properties have not been thoroughly investigated.			
Carcinogenicity				
Chemical Name	IARC	ACGIH®	OSHA	NTP
Polymer resin	Not listed	Not listed	Not listed	Not listed
Reproductive Toxicity				
Development of Offspring	Not established			
Sexual Function and Fertility	Not established			
Effects on or via Lactation	Not established			
Germ Cell Mutagenicity	Not established			
Interactive Effects	Not established			

Section 12. Ecological Information	
Ecotoxicity	Not available
Persistence and Degradability	Not available
Bioaccumulative Potential	Not available
Mobility in Soil	Not available
Other Adverse Effects	Not available

Section 13. Disposal Considerations	
Disposal Recommendations	Dispose of in accordance with federal, provincial and local regulations. Avoid release to the environment.
Disposal of damaged packaging	Follow all SDS and label precautions even after container is emptied.



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Section 14. Transport Information				
Regulation	UN No.	Proper Shipping Name	Transport Hazard Class(es)	Packing Group
Canada TDG			Not regulated	
US DOT			Not regulated	
IATA			Not regulated	
IMDG			Not regulated	

Section 15. Regulatory Information	
Safety, Health and Environmental Regulations	<p>Canada</p> <p>Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL) All ingredients are listed on the DSL list.</p> <p>CEPA - National Pollutant Release Inventory (NPRI) No data available.</p> <p>USA</p> <p>Toxic Substances Control Act (TSCA) Section 8(b) All ingredients are listed</p> <p>SARA 302 Components No chemical in this material are subject to the reporting requirement of SARA Title III, Section 302</p> <p>SARA 313 Components This material does not contain any chemical components with known CAS number that exceed the threshold reporting level established by SARA Title III Section 313</p> <p>SARA 311/312 Hazard No SARA hazard</p> <p>Massachusetts Right to Know: Not listed Pennsylvania Right to Know: Not listed New Jersey Right to Know: Not listed</p>



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Section 16. Other information

Key to abbreviations

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**[™] = 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.

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