



# SAFETY DATA SHEET

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## 1. Product and Company Identification

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**Product Name:** Pristiva Rapid Action Filter Cleanse  
**Product Use:** Filter Cleaner for Pools

**Supplier:** Pristiva c/o. Backyard Brands, Inc.  
401 S. Enterprise Blvd.  
Lebanon IN 46052 USA  
1-866-875-0012

**24 HR EMERGENCY TELEPHONE NUMBERS**  
**Poison Control Centre (Medical): 877-800-5553**  
**CANUTEC (Canadian Transportation): 613-996-6666**  
**CHEMTREC (US Transportation) 800-424-9300**

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## 2. Hazards Identification

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**ROUTES OF ENTRY:** Eye, Skin Contact, Ingestion

**POTENTIAL HEALTH EFFECTS:**

**EYES:** May cause eye irritation. Avoid contact with eyes  
**SKIN:** May cause skin irritation upon repeated/prolonged contact.  
**INHALATION:** May cause slight nose, throat and respiratory tract irritation.  
**INGESTION:** May cause irritation to mouth, esophagus and stomach. May cause gastric upset and/or damage.

**CHRONIC EFFECTS**

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## 3. Composition / Information on Ingredients

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<u>Ingredients</u>	<u>CAS#</u>	<u>Percent</u>
Sodium Gluconate	527-07-1	1.0-5.0%
Citric Acid	77-92-9	1.0-10.0%
Hydrogen Peroxide	7722-84-1	1.0-5.0%
Alcohol ethoxylate	68439-46-3	1.0-5.0%

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## 4. First Aid Measures

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**EYE CONTACT:** Immediately flush with water for 15 minutes, holding eyelids open during flushing. If irritation persists, repeat flushing and obtain medical attention immediately.

<b>SKIN CONTACT:</b>	Flush with water. Seek medical attention if irritation persists. Remove contaminated clothing and launder before reuse.
<b>INHALATION:</b>	Move victim to fresh air. If conscious, have victim take deep, slow breaths. Seek medical attention if symptoms persist.
<b>INGESTION:</b>	DO NOT INDUCE VOMITING. Rinse mouth with water, then drink one glass of water. Seek medical attention. Do not give anything to victim if or convulsing.

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## 5. Fire Fighting Measures

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<b>Flammability:</b>	Non flammable
<b>Flash Point deg: (C,TCC)</b>	Not Applicable
<b>Means of Extinction:</b>	As appropriate for surrounding fire. Use water, dry chemical, carbon dioxide or foam.
<b>Special Fire Hazards:</b>	Fire fighters should wear self-contained breathing apparatus as for surrounding fire.
<b>Autoignation temperature:</b>	Not Applicable
<b>Flame propagation or Burning rate of solid:</b>	Not Applicable
<b>Sensitivity to static discharge:</b>	Not Applicable
<b>Unusual Fire &amp; explosion Hazards:</b>	None expected. As per surrounding fire.
<b>Hazardous decomposition Products.</b>	Oxides of carbon, oxides of nitrogen.

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## 6. Accidental Measures.

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<b>Leak &amp; Spill Procedures:</b>	Before attempting clean-up, refer to the hazard data provided above. Small spills may be absorbed with non-reactive absorption and placed in a suitable, covered container. For large quantities, dispose of in accordance with local, provincial or federal regulations. For large spills, prevent from entering sewers and waterways. For large spills, provide diking to prevent spreading.
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## 7. Handling and Storage

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<b>Storage Requirements:</b>	KEEP OUT OF REACH OF CHILDREN. Store in a closed container away from incompatible materials which include alkalies, reducing materials, reducing sugars and Ammonia Salt.  Storage temperature C Ambient to 45 C (must be stored above 8 C at all times.)
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Transport temperature C Ambient to 35 C (must be stored above 8 C at all times.)

Keep container closed. Handle and open container with care.

Store in a well ventilated place away from incompatible materials.

Do not store near open flame. Do not reuse empty containers.

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## 8. Exposure Controls / Personal Protection

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### EXPOSURE GUIDELINES:

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)

### EXPOSURE LIMITS

	<u>OSHA-TWA</u>		<u>ACGIH-TWA</u>	
	<u>ppm</u>	<u>mg/m<sup>3</sup></u>	<u>ppm</u>	<u>mg/m<sup>3</sup></u>
Sodium Gluconate	N/E		N/E	
Citric Acid	15 ppm (PEL) as dust			10 mg/m <sup>3</sup> (TLV)
Hydrogen Peroxide	1 ppm (PEL)		1 ppm (TWA)	
Alcohol ethoxylate	N/E		N/E	

### OSHA TABLE COMMENTS:

1. N/E = Not Established

#### **Gloves:**

Impervious gloves if sensitive to hydrogen peroxide.

#### **Eye Protection:**

Not normally required, if eye contact is possible, chemical splash goggles are recommended.

#### **Respiratory Protection:**

Not normally required if good ventilation is maintained.

#### **Other Protective Equipment:**

As required by employer code. Eye bath, safety shower, protective clothing.

#### **Engineering Controls:**

General ventilation normally required.

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## 9. Physical & Chemical Properties

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<b>Physical State:</b>	Liquid
<b>Odor:</b>	Mild, lime-like
<b>Appearance:</b>	Transparent, clear solution.
<b>Color:</b>	Clear
<b>pH:</b>	2.25 – 2.75
<b>Boiling Point:</b>	100°C
<b>% Volatile (wt.%):</b>	>80%
<b>Specific Gravity:</b>	1.0 (Water=1): 1.00-1.02
<b>Solubility in Water:</b>	Complete
<b>Viscosity:</b>	Water-like
<b>Evaporation Rate (water=1):</b>	Similar.

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## 10. Chemical Stability & Reactivity Information

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**Conditions for Chemical Instability:** Stable under normal conditions.  
**Incompatible Materials:** Reducing agents, strong acids, strong caustics, oxidizing agents.  
**Hazardous Decomposition Products:** Oxides of carbon, Oxides of Nitrogen when heated.

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## 11. Toxicological Information

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Ingredients	LD <sub>50</sub>
Sodium Gluconate	Not available
Citric acid	3,000 mg/kg (oral/ral)
Hydrogen Peroxide	>225 mg/kg (oral/rat), based on 50 % hydrogen peroxide
Alcohol ethoxylate	>2,000 mg/kg (oral/rat)

Skin Sensitization (OECD Sec. 406) Non sensitizing.

**Carcinogenicity:** No ingredients listed IARC or NTP or ACGIC. Non-hazardous by WHMIS/OSHA criteria.

**Teratogenicity, Mutagenicity, Reproductive Effects:** The ingredients in this product were found not to be mutagenic when tested by the Ames Assay, (OECD Guidelines for chemical testing, sec.471). Repeated or prolonged exposures to dilutions can cause drying, defatting and dermatitis. Whitening of skin may occur in some instances, this is a temporary effect and normal skin color will revert in a few minutes.

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## 12. Ecological Information

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**Biodegradability:** Surfactants are biodegradable as per Ready Biodegradability Closed bottle test (OECD 301 D, also known as the US EPA as OPPTS 835.3100 (Fate, Transport and Transformation Test Guidelines.) Hydrogen peroxide will decompose to oxygen and water only. Citric acid and Sodium Gluconate are both readily biodegradable under OECD 301-D.

Ecotoxicity Alcohol ethoxylate.  
96 hour LC<sub>0</sub>> 1,000 mg/L (rainbow trout) 48 hour LC<sub>50</sub> > 1,000 ml/L (ceriodaphnia dubia)  
Ecotoxicity Hydrogen peroxide  
Fathead minnow 96 hour LC<sub>50</sub>=16.4 mg/L  
Daphnia magna 24 hour EC<sub>50</sub>=7.7 mg/L  
Freshwater snail 96 hour LC<sub>50</sub>=17.7 mg/L

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## 13. Disposal Considerations

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Dispose of in accordance to all local, provincial/state and federal regulations.

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## 14. Transport Information

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**DOT (DEPARTMENT OF TRANSPORTATION) Classification:** Not regulated  
**CANADA TRANSPORT OF DANGEROUS GOODS Classification:** Not regulated

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## 15. Regulatory Information

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### Occupational Health & Safety Regulations:

**WHMIS Class:** Class D Division 2B  
**OSHA & WHMIS:** SDS prepared pursuant to the Hazard Communication Standard (CFR29.1920.1200) & Canadian WHMIS regulations.

### Environmental Regulatory Lists:

**SARA – Section 313 (Toxic Chemical Release Reporting) 40 CFR 372:** None of these ingredients are listed.

**CERCLA – Section 102 (Reportable Quantity) 40 CFR 302:** None of these ingredients are listed.

**RCRA 40 CFR 261 (Subpart D):** None of these ingredients are listed.

**CLEAN WATER ACT Section 311 (Reportable Qty) 40 CFR 116:** None of these ingredients are listed.

**CLEAN AIR ACT – Section 312 (List of Hazardous Pollutants) 40 CFR 63 (Subpart C):** None of these ingredients are listed.

**National Pollutant Release Inventory:** None of these ingredients are listed.

**Toxic Substances Control Act (TSCA):** All ingredients are registered on the Chemicals Substances Inventory.

**Canadian Domestic Substance List (DSL):** All ingredients are registered on the DSL.

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## 16. Other Information

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**COMMENTS:** The contents and format of this MSDS are in accordance with OSHA Hazard Communication Standard, National Fire Protection Association (NFPA), Hazardous Materials Identification System (HMIS), and Canada's Workplace Hazardous Information System (WHMIS) and Environmental Protection Agency (CEPA).

**Disclaimer**

Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.

If user requires independent information on ingredients in this or other material, we recommend contact with the Canadian Centre for Occupational Health and Safety (CCOHS) in Hamilton, Ontario (905-572-4400) or CSST on Montreal, Quebec (514-873-3990).

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**Prepared by:** Backyard Brands, Inc. 1-866-875-0012