SAFETY DATA SHEET

1. Product and Company Identification

Product Name	**Pristiva Primer**
CAS #	Mixture
Product Use	Pool Water Additive
Manufacturer	Pristiva c/o Backyard Brands, Inc. 401 S. Enterprise Blvd, Lebanon, IN 46052 USA 1-866-875-0012
CANUTEC	1-800-996-6666

2. Hazards Identification

Emergency Overview	CAUTION EYE AND SKIN IRRITANT.
Potential short term health effects	
Routes of exposure	Eye, Skin contact, Inhalation, Ingestion.
Eyes	Causes irritation.
Skin	May cause irritation.
Inhalation	Dusts of this product may cause irritation of the nose, throat, and respiratory tract.
Ingestion	May cause stomach distress, nausea or vomiting.
Target organs	Eyes. Skin. Respiratory system.
Chronic effects	Prolonged or repeated exposure can cause drying, defatting and dermatitis.
Signs and symptoms	Symptoms may include redness, oedema, drying, defatting and cracking of the skin. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.
Potential environmental effects	Not available

3. Composition/Information on Ingredients

Ingredient(s)	CAS #	Percent
Organic chelating agent	Proprietary	15 - 40
Inorganic acid	Proprietary	15 - 40
Imidazole analogue	Proprietary	3 - 7
Organic acid	Proprietary	5 - 10

Composition comments

This product has been granted a trade secret exemption.
The HMIRC registry number is 8593
The filing date associated with this trade secret exemption is May 7, 2012.
All concentrations are expressed as %wt/wt.

4. First Aid Measures

First aid procedures	
Eye contact	Hold eyes open and rinse slowly and gently with water for 15-20 minutes. If contact lenses are present, rinse five minutes before removing, then continue rinsing for 10-15 minutes. If irritation persists, call a physician.
Skin contact	Brush away excess of dry material. Flush with water. Obtain medical attention if irritation persists.
Inhalation	If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.
Ingestion	Do not induce vomiting. Never give anything by mouth if victim is unconscious, or is convulsing. Obtain medical attention immediately.
Notes to physician	Symptoms may be delayed.

General advice	If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Avoid contact with eyes and skin. Keep out of reach of children.

5. Fire-fighting Measures

Flammable properties	Not flammable by WHMIS criteria. May be combustible at high temperatures.
Extinguishing media	
Suitable extinguishing media	Treat for surrounding material.
Unsuitable extinguishing media	None known.
Protection of firefighters	
Specific hazards arising from the chemical	None known.
Protective equipment for firefighers	Firefighters should wear full protective clothing including self-contained breathing apparatus.
Hazardous combustion products	May include and are not limited to: Oxides of carbon. Oxides of nitrogen. Hydrogen chloride.
Explosion data	
Sensitivity to mechanical impact	None known.
Sensitivity to static discharge	None known.

6. Accidental Release Measures

Personal precautions	Keep unnecessary personnel away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak.
Environmental precautions	Do not contaminate water. Prevent entry into waterways, sewers, basements or confined areas.
Methods for containment	Stop the flow of material, if this is without risk.
Methods for cleaning up	Before attempting clean up, refer to hazard data given above. Use broom or dry vacuum to collect material for proper disposal without raising dust. Finish cleaning by spreading water on the affected surface and dispose of according to local and regional authority requirements.

7. Handling and Storage

Handling	Use good industrial hygiene practices in handling this material. Avoid breathing dusts from this material. Handle and open container with care. Avoid contact with eyes, skin and clothing. Do not mix with other chemicals.
Storage	Keep out of reach of children. Keep containers tightly closed in a dry, cool and well-ventilated place. Do not store in aluminum, carbon steel, copper, copper alloys, zinc or nickel containers.

8. Exposure Controls / Personal Protection

Exposure limit values

Ingredient(s)	**Exposure limit values**
Imidazole analogue	**ACGIH-TLV** Not established
Inorganic acid	**ACGIH-TLV** TWA: 2 mg/m3 STEL: 6 mg/m3
Organic acid	**ACGIH-TLV** TWA: 10 mg/m3
Organic chelating agent	**ACGIH-TLV** Not established

Engineering controls	General ventilation normally adequate.
Personal protective equipment	
Eye/Face protection	Wear safety glasses with side shields.
Hand protection	Rubber gloves. Confirm with a reputable supplier first.
Skin and body protection	As required by employer code.
Respiratory protection	Where exposure guideline levels may be exceeded, use an approved NIOSH respirator or NIOSH-approved filtering facepiece.
General hygiene considerations	Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. Wash hands before breaks and immediately after handling the product.

9. Physical and Chemical Properties

Appearance	Crystalline.
Colour	White
Form	Crystals
Odour	Odourless
Odour threshold	Not applicable
Physical state	Solid
pH	2.34
Freezing point	Not applicable
Boiling point	Not applicable
Pour point	Not applicable
Evaporation Rate	Not applicable
Flash point	Not applicable
Auto-ignition temperature	Not applicable
Flammability limits in air, lower, % by volume	Not applicable
Flammability Limits in Air, Upper, % by Volume	Not applicable
Vapour pressure	Not applicable
Vapour density	Not applicable
Specific gravity	0.82 - 0.87
Octanol/water coefficient	Not applicable
Viscosity	Not applicable

10. Stability and Reactivity

Reactivity	This product may react with strong alkalies.
Possibility of hazardous reactions	Hazardous polymerisation does not occur.
Chemical stability	Stable under recommended storage conditions.
Conditions to avoid	Do not mix with incompatible materials.
Incompatible materials	Oxidizers. Acids. Reducing agents. Caustics.
Hazardous decomposition products	May include and are not limited to: Oxides of carbon. Oxides of nitrogen. Hydrogen chloride.

11. Toxicological Information

Component analysis - LC50

Ingredient(s)	**LC50**
Imidazole analogue	Not available
Inorganic acid	3450 mg/kg mouse
Organic acid	Not available
Organic chelating agent	Not available

Component analysis - Oral LD50

Ingredient(s)	LD50
Imidazole analogue	7800 mg/kg rat
Inorganic acid	2660 mg/kg rat
Organic acid	5040 mg/kg mouse; 3000 mg/kg rat
Organic chelating agent	2000 mg/kg rat

Effects of acute exposure

Eye	Causes irritation.
Skin	May cause irritation.
Inhalation	Dusts of this product may cause irritation of the nose, throat, and respiratory tract.
Ingestion	May cause stomach distress, nausea or vomiting.
Sensitisation	Non-hazardous by WHMIS criteria.
Chronic effects	Non-hazardous by WHMIS criteria.
Carcinogenicity	Non-hazardous by WHMIS criteria.
Mutagenicity	Non-hazardous by WHMIS criteria.
Reproductive effects	When one of the components was fed to test animals at very high doses, it was shown to be a potential reproductive toxin. When this product is used and applied according to label directions, the component in this product does not represent a practical risk to humans.
Teratogenicity	Non-hazardous by WHMIS criteria.
Name of Toxicologically Synergistic Products	Not available

12. Ecological Information

Ecotoxicity	Not available
Persistence and degradability	Not available
Bioaccumulation/accumulation	Not available
Mobility in environmental media	Not available
Environmental effects	Not available
Aquatic toxicity	Not available
Partition coefficient	Not applicable
Chemical fate information	Not available
Other adverse effects	Not available

13. Disposal Considerations

Disposal instructions	Review federal, provincial, and local government requirements prior to disposal. Empty container can be discarded in the trash or recycled where appropriate. Do not reuse or refill this container.
Waste from residues / unused products	Not available
Contaminated packaging	Not applicable.

14. Transport Information

U.S. Department of Transportation (DOT)

Not regulated as dangerous goods.

Transportation of Dangerous Goods (TDG - Canada)

Not regulated as dangerous goods.

15. Regulatory Information

Canadian federal regulations	This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.
WHMIS classification	Class D - Division 2A, 2B

WHMIS status Controlled

WHMIS labeling

Inventory Status

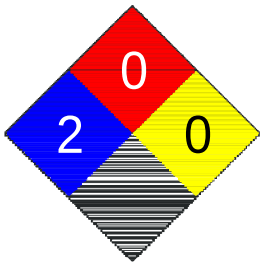
Country(s) or region	Inventory Name	On Inventory (Yes/No)*
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No

A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

16. **Other Information**

LEGEND HMIS/NFPA	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

Health	*	2
Flammability		0
Physical Hazard		0
Personal Protection		B



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Issue date 10 June, 2017

Effective Date 10 June, 2017

Expiry Date 10 June, 2020

Prepared by Backyard Brands, 1-866-875-0012