

Issue Date 01/27/2015

Revision Date 06/27/2016

Version 2

### 1. PRODUCT AND COMPANY IDENTIFICATION

#### Product Identifier

Product Name Trash Treater

#### Other means of identification

Product Code 1050

#### Details of the supplier of the safety data sheet

Company Name Blue Cardinal Chemical, LLC  
3670 Scarlet Oak Blvd.  
St. Louis, MO 63122  
800-325-3312

#### Emergency telephone number

Emergency Telephone CHEMTEL 1-800-255-3924

### 2. HAZARDS IDENTIFICATION

#### Classification

This chemical does not meet the hazardous criteria set forth by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). However, this Safety Data Sheet (SDS) contains valuable information critical to the safe handling and proper use of this product. This SDS should be retained and available for employees and other users of this product.

#### Label elements

#### Emergency Overview

**Appearance:** Light green to colorless

**Physical state:** Liquid

**Odor:** Cinnamon scent



#### Precautionary Statements - Prevention

Avoid contact with eyes. Avoid contact with eyes. Avoid breathing vapors or mists. Do not taste or swallow. Eye/Face Protection: Safety glasses. Skin and Body Protection: Chemical resistant protective gloves.

#### Precautionary Statements - Response

Eye Contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek medical attention. Skin Contact: Wash with soap and water. Seek medical attention if irritation develops. Inhalation: Remove to fresh air. If not breathing, give artificial respiration. Get medical attention if irritation occurs. Ingestion: Do not induce vomiting. Call a physician or poison control center immediately.

#### Precautionary Statements - Storage

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers. Protect from freezing. Keep out of the reach of children.

#### Precautionary Statements - Disposal

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Unknown Acute Toxicity

7.6% of the mixture consists of ingredient(s) of unknown toxicity

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

The product contains no substances which, at their given concentration, are considered to be hazardous to health.

### 4. FIRST AID MEASURES

#### First aid measures

<b>Skin Contact</b>	Wash with soap and water. Seek medical attention if irritation develops.
<b>Eye Contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek medical attention.
<b>Inhalation</b>	Remove to fresh air. If not breathing, give artificial respiration. Get medical attention if irritation occurs.
<b>Ingestion</b>	Do not induce vomiting. Call a physician or poison control center immediately.

#### Most important symptoms and effect, both acute and delayed

<b>Symptoms</b>	May cause skin and eye irritation. Inhalation may cause irritation to nasal passages. Ingestion of large quantities (more than a few ounces) may cause upset stomach, diarrhea, nausea, and vomiting.
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#### Indication of any immediate medical attention and special treatment needed

<b>Note to physicians</b>	Treat symptomatically.
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### 5. FIRE-FIGHTING MEASURES

#### Suitable extinguishing media

Dry chemical. Foam. Carbon dioxide (CO<sub>2</sub>). Water.

**Unsuitable extinguishing media:** Not determined

#### Specific hazards arising from the chemical

Combustion products may be toxic.

**Hazardous Combustion Products:** Nitrogen oxides (NO<sub>x</sub>). Ammoniacal vapors.

#### Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

### 6. ACCIDENTAL RELEASE MEASURES

#### Personal precautions, protective equipment and emergency procedures

<b>Personal precautions</b>	Use personal protective equipment as required. Spills may be slippery.
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#### Methods and material for containment and cleaning up

<b>Methods for containment &amp; cleaning up</b>	Prevent further leakage or spillage if safe to do so. This product is biodegradable. Dilute and wash remaining with water and dispose of in accordance with federal, state, and local regulations.
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## 7. HANDLING AND STORAGE

### Precautions for safe handling

#### Advice on Safe Handling

Handle in accordance with good industrial hygiene and safety practice.

### Conditions for safe storage, including any incompatibilities

#### Storage Conditions

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers. Protect from freezing. Keep out of the reach of children.

#### Incompatible Materials

Oxidizers such as bleach.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Guidelines

Silicic acid, sodium salt, no exposure limit assigned. Exposure limit of 2mg/m<sup>3</sup> 915 minute TWA) is recommended by analogy with sodium hydroxide. Same for Lithium Silicate.

### Appropriate engineering controls

#### Engineering Controls

Ensure adequate ventilation, especially in confined areas.

### Individual protection measures, such as personal protective equipment

#### Eye/face Protection

Safety glasses.

#### Skin and Body Protection

Chemical resistant protective gloves.

#### Respiratory Protection

No protective equipment is needed under normal use conditions.

#### General Hygiene

Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

Physical State	Liquid
Appearance	Light green to colorless liquid
Color	Light green to colorless
Odor	Cinnamon scent
Odor Threshold	Not determined

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	7–8	
Melting Point/Freezing Point	Not determined	
Boiling Point/Boiling Range	100 °C / 212 °F	
Flash Point	None	
Evaporation Rate	1	(Water = 1)
Flammability (Solid, Gas)	n/a-liquid	
Upper Flammability Limits	Not determined	
Lower Flammability Limit	Not determined	
Vapor Pressure	17.5 mm Hg	
Vapor Density	Not determined	
Specific Gravity	0.990	(Water = 1)
Water Solubility	Soluble in water	
Solubility in other solvents	Not determined	
Partition Coefficient	Not determined	
Auto-ignition Temperature	Not determined	
Decomposition Temperature	Not determined	
Kinematic Viscosity	Not determined	

Dynamic Viscosity	Not determined
Explosive Properties	Not determined
Oxidizing Properties	Not determined
VOC Content	None

## 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive under normal conditions.

### Chemical Stability

Stable under recommended storage conditions.

### Possibility Of Hazardous Reactions

None under normal processing. Hazardous polymerization does not occur.

### Conditions To Avoid

Keep out of reach of children.

### Incompatible Materials

Oxidizers such as bleach.

### Hazardous Decomposition Products

Nitrogen oxides (NOx). Ammoniacal vapors.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### Product Information

<b>Skin Contact</b>	Avoid contact with skin.
<b>Eye Contact</b>	Avoid contact with eyes.
<b>Inhalation</b>	Avoid breathing vapors or mists.
<b>Ingestion</b>	Do not taste or swallow.

### Information on toxicological effects

#### Symptoms

May cause skin and eye irritation. Inhalation may cause irritation to nasal passages. Ingestion of large quantities (more than a few ounces) may cause upset stomach, diarrhea, nausea, and vomiting.

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

#### Carcinogenicity

This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

### Numerical measures of toxicity - Product Information

Not determined

#### Unknown Acute Toxicity

7.6% of the mixture consists of ingredient(s) of unknown toxicity.

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

Algae – No toxic ingredients.

Fish – No toxic ingredients.

Crustacea – No toxic ingredients.

**Soil Mobility**

Not determined.

**Persistence and Degradability**

Not determined.

**Bioaccumulation**

Not determined.

**Other Adverse Effects**

Contains no ozone depleting ingredients such as CFCs.

**13. DISPOSAL CONSIDERATIONS****Waste treatment methods****Disposal of Wastes**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated Packaging**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**14. TRANSPORT INFORMATION**

The basic description below is specific to the container size. This information is provided for at a glance DOT information. Please refer to the container and/or shipping papers for the appropriate shipping description before tendering this material for shipment. For additional information, please contact the distributor listed in section 1 of this SDS.

**DOT**

Not regulated

**IATA**

Not regulated

**IMDG**

Not regulated

**15. REGULATORY INFORMATION****International Inventories**

TSC Listed

**Legend:**

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

**US Federal Regulations****SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**US State Regulations****California Proposition 65**

This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

**U.S. State Right-to-Know Regulations**

Not determined

**16. OTHER INFORMATION**

<b>NFPA</b>	Health hazards	ND	Flammability	ND	Reactivity	ND	Other	ND
<b>HMIS</b>	Health hazards	0	Flammability	0	Reactivity	0	Personal protection	B

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Revision Note New Format

N/A = Not Applicable; N/D = Not Determined

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**