

Issue Date 02/20/2015

Revision Date 05/11/2015

Version 2

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name SunFresh

Other means of identification

Product Code 1140

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: Bright yellow liquid

Physical state: Liquid

Odor: Light, fresh, botanical scent



Precautionary Statements - Prevention

Wear suitable protective gloves and safety glasses.

Precautionary Statements - Storage

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep 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

2.646% 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

Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Call a physician.
Skin Contact	Wash with soap and water. If skin irritation persists, call a physician.
Inhalation	Remove to fresh air. Get medical attention if discomfort persists.
Ingestion	Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately.

Most important symptoms and effect, both acute and delayed

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.
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Indication of any immediate medical attention and special treatment needed

Note to physicians	Treat symptomatically.
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5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Dry chemical. Foam. Carbon dioxide (CO₂). Water.

Unsuitable extinguishing media: Not determined

Specific hazards arising from the chemical

Combustion products may be toxic.

Hazardous combustion products: Carbon oxides. Nitrogen oxides (NO_x).

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. Use water spray to keep fire-exposed containers cool.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

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

Methods for containment & cleaning up	Prevent further leakage or spillage if safe to do so. Small spills may be permitted to be flushed to a sanitary sewer. Check with local authorities before proceeding.
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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.
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Conditions for safe storage, including any incompatibilities

Storage Conditions	Keep containers tightly closed in a dry, cool and well-ventilated place. Keep from freezing. Keep out of the reach of children.
Incompatible Materials	Strong oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines	No exposure limits noted for ingredient(s).
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Appropriate engineering controls

Engineering Controls	Ensure adequate ventilation, especially in confined areas.
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Individual protection measures, such as personal protective equipment

Eye/Face Protection	Safety glasses are recommended when handling the concentrated product.
Skin and Body Protection	For prolonged or repeated skin contact use suitable 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	Bright yellow liquid
Color	Bright yellow
Odor	Light, fresh, botanical scent
Odor Threshold	Not determined

Property	Values	Remarks • Method
pH	7–8	
Melting Point/Freezing Point	Not available	
Boiling Point/Boiling Range	100 °C / 212 °F	
Flash Point	> 93.3 °C / > 200 °F	
Evaporation Rate	~ 1	(Water = 1)
Flammability (Solid, Gas)	N/A - liquid	
Upper Flammability Limits	None	
Lower Flammability Limit	None	
Vapor Pressure	~ 17.5 mm Hg	
Vapor Density	Not determined	
Specific Gravity	0.998	(Water = 1)
Water Solubility	Completely soluble	
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

Strong oxidizing agents.

Hazardous Decomposition Products

Carbon oxides. Nitrogen oxides (NOx).

11. TOXICOLOGICAL INFORMATION**Information on likely routes of exposure****Product Information**

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

Information on toxicological effects

Symptoms Please see section 4 of this SDS for symptoms.

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 2.646% of the mixture consists of ingredient(s) of unknown toxicity

12. ECOLOGICAL INFORMATION**Ecotoxicity**

Not determined.

Persistence and Degradability

Not determined.

Bioaccumulation

Not determined.

Soil Mobility

Not determined.

Other Adverse Effects

Not determined.

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

This product is a non-toxic, biodegradable material. Consult your local, state, provincial, and federal regulations for proper disposal guidelines. Small amounts (several gallons) may usually be poured down sanitary sewers. Disposal regulations may be different for each state and/or locality.

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**

TSCA Listed

Legend:

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

U.S. 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.

U.S. 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

NFPA	Health hazards	N/D	Flammability	N/D	Reactivity	N/D	Other	N/D
HMIS	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