

1. IDENTIFICATION

Product name: PrairieFood

Product description: PrairieFood is organic matter (soluble & insoluble) produced through the molecular deconstruction of waste biomass using hot compressed water. Material has undergone a process that further reduces pathogens (PFRP) as described by the EPA.

Product use: Soil amendment/conditioner

Company Identification	PrairieChar Inc. 2029 Becker Dr. Lawrence KS, 66047	Phone: (785) 856-0067
Website	www.PrairieFood.com	
Contact	inquiry@prairiefood.com	

24-hour emergency contacts: Eric McManaman (620) 770-2830
Jeff Roskam (316) 214-6316

2. HAZARD IDENTIFICATION

Classification

Classification under 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Based on available data, the classification criteria are not met

Label Elements

None required

Hazards not otherwise classified (HNOC)

None identified

3. COMPOSITIONAL/ INGREDIENT INFORMATION

The organic matter and nutrient values are dependent on the starting biomass and vary. Ranges of these values are provided below:

Parameter	Range of Values
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Moisture	80-90%
Organic Matter	10-20%
Nitrogen	0-1%
Phosphorous	0-1%
Potassium	<1%
pH	6 – 8

4. FIRST-AID MEASURES

Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If irritation occurs, get medical attention.
Skin Contact	Wash off immediately with plenty of water for at least 15 minutes. If symptoms occur, get medical attention.
Inhalation	Remove to fresh air. If symptoms occur, get medical attention immediately.
Ingestion	Clean mouth with water and drink afterwards plenty of water. Get medical attention if symptoms occur.
Most important symptoms and effects	None reasonably foreseeable.
Notes to Physician	Treat symptomatically

5. FIRE-FIGHTING MEASURES

Material as produced is not flammable.

Suitable Extinguishing Media Carbon dioxide (CO₂). Powder. Water spray. Suitable to the surrounding fire area.

Unsuitable Extinguishing Media No information available

Flash Point No information available
Method - No information available

Autoignition Temperature No information available

Explosion Limits

Upper No data available

Lower No data available

Sensitivity to Mechanical Impact No information available

Sensitivity to Static Discharge No information available

Specific Hazards Arising from the Material

Keep product and empty container away from heat and sources of ignition.

Hazardous Combustion Products

None known.

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.

NFPA Health - 0 Flammability – 0 Reactivity - 0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Ensure venting of potential gasses that may form during storage, see Sec. 7. Handling and Storage.

Environmental Precautions Should not be released to potable water sources. Material will naturally biodegrade otherwise, see Sec. 12 for additional Ecological Information

Methods for Containment and Clean up

Barricade spill with water absorbent material if potential exists for contaminating potable water source. Otherwise materials will naturally biodegrade.

7. HANDLING AND STORAGE

Handling Wear personal protective equipment gloves and eyewear. Avoid contact with skin or eyes. Avoid ingestion

Storage Keep containers closed but vented under normal ambient conditions. Avoid freezing if containers do not have enough room for volume expansion associated with ice formation.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTIVE EQUIPMENT

Exposure Guidelines This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Personal Protective Equipment

Eye Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin and Body Wear appropriate protective gloves and clothing to prevent skin exposure.

Hygiene Measures Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Slurry
Appearance	Light brown to Dark brown slurry
Odor	Earthy
Odor Threshold	No information available
pH	6-8
Melting Point/Range	Not applicable
Boiling Point/Range	No information available
Flash Point	No information available
Evaporation Rate	No information available
Flammability (solid,gas)	No information available
Flammability or explosive limits	
Upper	No data available
Lower	No data available
Vapor Pressure	No information available
Vapor Density	Not applicable
Specific Gravity	No information available
Solubility	No information available
Partition coefficient; n-octanol/water	No data available
Autoignition Temperature	No information available
Decomposition Temperature	No information available
Viscosity	No information available

10. STABILITY AND REACTIVITY

Reactive Hazard	None known, based on information available
Stability	Stable under normal conditions, may liberate carbon dioxide under natural biodegradation conditions.
Conditions to avoid	Incompatible products.
Incompatible products	Highly reactive materials such as Alkaline and Alkaline Earth Metals such as calcium, lithium, magnesium, sodium, potassium, powdered aluminum
Hazardous Decomposition Products	None under normal use conditions
Hazardous Polymerization	Hazardous polymerization does not occur.
Hazardous Reactions	None under normal processing.

11. TOXICOLOGICAL INFORMATION

Toxicity	No information available
Other adverse Effects	The toxicological properties have not been fully investigated.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Can be mixed with water sources destined to be treated at typical municipal wastewater treatment facilities.

Persistence and Degradability	Contents readily biodegrade through natural microbes present in the environment.
Bioaccumulation/ Accumulation	Contents accumulate through natural carbon cycling.
Mobility	Contents are water soluble with insoluble particulates.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods	Dispose of in accordance with local regulations.
Contaminated Packaging	Containers must be disposed of in accordance with local, state and federal regulations. Refer to the product label for container disposal instructions.

14. TRANSPORTATION INFORMATION

(Not required under the hazard communication standard)

This material is not hazardous as defined by 49 CFR 172.101 by the US DOT

PROPER SHIPPING NAME:	None
HAZARD CLASS NUMBER AND DESCRIPTION:	None
UNIDENTIFICATION NUMBER:	None
DOT LABEL(S) REQUIRED:	None
PACKAGING GROUP:	None
EMERGENCY RESPONSE GUIDE NUMBER:	None
MARINE POLLUTANT:	N/A

15. REGULATORY INFORMATION

Not required under the hazard communication standard.

SARA Reporting Requirements:	None
TSCA Inventory Status:	Not applicable
California Prop. 65:	Not applicable
CERCLA Reportable Quantities:	Not applicable

16. OTHER INFORMATION

Prepared by: PrairieChar Inc.
Supersedes: February 25, 2020
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