



1. IDENTIFICATION

- **SRM Number/Name:** Not applicable
- **Other Means of Identification:**
BurCell Fluff, BurCell Non-Hazardous Secondary Material (NHSM)
- **Recommended Use:** Fuel in suitable combustion systems
- **Restriction on Use:** Unknown
- **Manufacturer:**
Synergy BurCell® Technologies
4255 Wade Green Road, Suite 825 - Kennesaw, GA 30144
229-207-4054 | info@burcellteam.com | www.burcellteam.com

2. HAZARD IDENTIFICATION

- **Classification:**
 - **Physical Hazard:** Not classified
 - **Health Hazard:** Not classified
- **Signal Word:**
 - WARNING
- **Hazard Statements:**
 - None
- **Precautionary Statement**
 - P210 Keep away from open flames
 - P260 Do not breathe dust
 - P264 Wash hands carefully after handling
 - P270 Do not eat, drink, or smoke when using this product
- **Hazard Not Otherwise Classified**
 - N/A
- **Ingredients with Acute Toxicity**
 - None/Unknown

3. COMPOSITION

- **Substance:** Non-Hazardous Secondary Material (NHSM) compliant with the EPA rule found in 40 CFR Part 241 derived from the BurCell® process. Can contain up to 40% on a weight basis of finely shredded non-chlorinated plastics. May also include a minimal amount of non-organic, non-plastic inert material, such as sand, dirt, and glass.
- **Chemical Name:** Not applicable
- **Hazardous Components:**
In compliance with the EPA rule found in 40 CFR Part 241

4. FIRST AID MEASURES

- **Description:**
 - **Inhalation:** N/A
 - **Skin Contact:** Wash skin with soap and water.
 - **Eye Contact:** Flush eyes with water for several minutes. If necessary, seek medical attention.
 - **Ingestion:** If adverse effects occur after ingestion, seek medical treatment.

5. FIRE FIGHTING MEASURES

- **Fire and Explosion Hazards:**
 - Slight fire hazard. Avoid generating dust and exposure to open flames.
- **Extinguishing Media:**
 - **Suitable:** Regular dry chemical, carbon dioxide, water, an regular foam.
 - **Unsuitable:** None listed.
- **Specific Hazards Arising from the Material:** None listed.
- **Special Protective Equipment and Precautions for Firefighters:**
 - Avoid inhalation of material dust or combustion byproducts.
 - Protect eyes and hands.
- **NFPA Ratings**
(0 = Minimal; 1 = Slight; 2 = Moderate; 3 = Serious; 4 = Severe)
 - **Health** = 0 **Fire** = 1 **Reactivity** = 0

6. ACCIDENTAL RELEASE

- Any accumulated material on surfaces should be removed and disposed of properly.
- Collect spilled material in appropriate containers for disposal.
- Keep out of freshwater supplies and any human or animal food.

7. HANDLING & STORAGE:

- **Safe Handling:**
 - Avoid ingestion and contact with food, feed, and water for human or animal consumption.
 - If wet, ensure that leachate is appropriately conveyed to the sewage or wastewater collection system.
 - Use PPEs while handling.
- **Storage:**
 - Keep in a covered area protected from dispersion in the environment and away from open flames.
 - Long-term storage can lead to surface molds and decomposition processes in the bulk material, which can generate heat. The heat can occasionally lead to self-combustion if not allowed to escape. **To avoid this risk:**
 - Limit long-term (>8 weeks) storage
 - **If long-term storage is needed, ensure:**
 - Proper ventilation
 - Avoidance of tightly packed piles of material
 - Regular monitoring the bulk temperature of the material and ensuring the turning of the pile if the temperature increases
 - Avoidance of excessive dryness of the material

8. EXPOSURE CONTROL & PERSONAL PROTECTION

- **Exposure Limits:**
 - N/A or Unknown
- **Engineering Controls**
 - N/A
- **Personal Protection Equipment**
 - **Respiratory Protection:** If workplace conditions warrant a respirator, a respiratory protection program that meets OSHA 29CFR 1910.134 must be followed.
 - **Eye/Face Protection:** Wear safety goggles. An eyewash station should be readily available near areas of use.
 - **Skin and Body Protection:** Personal protective equipment for the body should be selected based on the task being performed and the associated risks, and must be approved by a specialist before use. Puncture-resistant gloves should be worn when handling the product.

9. PHYSICAL & CHEMICAL PROPERTIES

Appearance	Brown fluff with visible plastics fragment
Molecular Formula	N/A
Molar Mass	N/A
Odor	Slight, musty
Odor Threshold	N/A
pH	Neutral
Evaporation Rate	N/A
Melting/Freezing Points	N/A
Specific Gravity (water=1)	N/A
Density	0.3-0.6 kg
Solubility	Insoluble in water, plastic component may be soluble in organic solvent
Particulate Size	N/A
Thermal Stability	Stable below 200°C
Autoignition Temperature	N/A
Thermal Decomposition	Produces carbon dioxide, water, and at lower temperature incomplete combustion products such as carbon monoxide, short chain hydrocarbons, and oxygenated organic compounds

10. REACTIVITY & STABILITY

- **Reactivity:** Stable at standard temperature and pressure
- **Stability:** Stable at standard temperatures and pressures, but may degrade biologically over time, potentially leading to the formation of visible surface molds and composting within its bulk.
- **Incompatible Materials:** None

11. TOXICOLOGICAL INFORMATION

N/A

12. ECOLOGICAL INFORMATION

N/A

13. DISPOSAL CONSIDERATION

- Dispose of waste in accordance with all applicable federal, state, and local regulations for non-hazardous waste

14. TRANSPORTATION INFORMATION

N/A

15. REGULATORY INFORMATION

N/A

16. OTHER INFORMATION

N/A