1. **IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING**

   **Product Name:** 3D-Fuel Buzzed™  
   **Product Code:** Buzzed™  
   **Product Use:** A monofilament designed for 3D printing

   **Supplier:** 3DomFuel Inc., 2222 7th Ave N, Fargo, ND, 58102 United States  
   **Customer Information Center:** (844) 333-3616 / sales@3dfuel.com

   **Emergency Telephone Numbers (24 hours a day):** (844) 333-3616

2. **HAZARD IDENTIFICATION**

   **Emergency Overview**
   CAUTION! May cause eye/skin irritation. Burning produces obnoxious and toxic fumes. Avoid contact with skin and eyes. Avoid formation of dust and aerosols

   **Appearance:** Dark brown monofilament in its natural state.  
   **Color:** Dark Brown  
   **Physical State:** Solid  
   **Solid Odor:** Sweet

   **Potential health effects**
   **Eye contact:** Contact with eyes may cause irritation.

   **Skin Contact:** Substance may cause slight skin irritation.
   **Ingestion:** Ingestion may cause gastrointestinal irritation, nausea, vomiting, and diarrhea.
   **Inhalation:** Inhalation of dust may cause shortness of breath, tightness of the chest, and a sore throat and cough. Low hazard for usual industrial or commercial handling.
   **Target Organ Effects:** There were no target organ effects noted following ingestion or dermal exposure in animal studies.
   **Sensitization:** Did not cause sensitization on laboratory animals
   **Specific Hazards:** No information available
   **Flammability:** Fine dust dispersed in air may ignite
   **Environmental Precautions:** Not determined. See Section 12 for more information.

   **NFPA Rating:**  
   Health: 1  
   Flamm: 1  
   React: 0

   **Special:** Not determined

3. **COMPOSITION/INFORMATION ON INGREDIENTS**

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Weight %</th>
<th>OSHA Exposure Limits</th>
<th>ACGIH Exposure Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polylactide Resin</td>
<td>&gt;98</td>
<td>None</td>
<td>None</td>
</tr>
</tbody>
</table>

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NOTIC REGARDING MEDICAL APPLICATION RESTRICTIONS: The company does not recommend any of its products, including samples, for use: (A) in any application which is intended for any internal contact with human body fluids or body tissues (B) as a critical component in any medical device that supports or sustains human life; and (C) specifically pregnant women or in any applications designed specifically to promote or interfere with human reproduction.
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7. HANDLING AND STORAGE

Safe Handling Advice: Avoid contact with skin and eyes. Avoid dust formation. Workers should be protected from the possibility of contact with molten material during fabrication. Low hazard for usual industrial or commercial handling. Use personal protective equipment. See Section 8.

Storage: Store in cool place. Keep at temperatures below 122F (50C). No special restrictions on storage with other products.

Precautions: No special precautions required.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Measures: Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. Provide appropriate exhaust ventilation at places where dust is formed.

Control Parameters: None

Personal Protective Equipment:
- **Eye Protection**: Safety glasses with side-shields, goggles.
- **Skin and Body Protection**: Impervious clothing
- **Respiratory Protection**: Respirator must be worn if exposed to dust. Wear respirator with dust filter.
  - Respiratory protection is needed if any of the exposure limits in Section 2 are exceeded. Consult an industrial hygiene professional prior to respirator selection and use. Use a positive-pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air-purifying respirators may not provide adequate protection. WARNING: Air purifying respirators do not protect workers in oxygen-deficient atmospheres.
- **Hand Protection**: Preventative skin protection.
- **Hygiene Measures**: Avoid contact with skin, eyes, and clothing.

Exposure Limits: See Section 2

9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance**: Clear, translucent, opaque

**Color**: Clear, Translucent, Opaque

**Physical State**: Solid

**pH**: Not applicable

**Vapor Pressure**: Not determined

**Vapor Density**: Not determined

**Evaporation Rate**: Not determined

**Density**: 1.24g/cc

**Boiling Point/Range**: Not applicable

**Decomposition Temperature**: 482F (250C)

**Melting Point/Range**: Not determined

**Water Solubility**: Insoluble

**Solubility in other Solvents**: None known

10. STABILITY AND REACTIVITY

**Stability**: Stable under recommended storage conditions

**Conditions to Avoid**: Temperatures above 446F (230C)

**Material to Avoid**: Oxidizing agents. Strong bases.

**Hazardous Decomposition Products**: Burning obnoxious and toxic fumes. Aldehydes. Carbon monoxide (CO). Carbon dioxide (CO2)

**Polymerization**: Not applicable

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11. TOXICOLOGICAL INFORMATION

**Principle Routes of Exposure:** Eye contact. Skin contact. Inhalation. Ingestion.

**Acute Toxicity:** There were no target organ effects noted following ingestion or dermal exposure in animal studies.

**Local Effects:** May cause eye/skin irritation. Product dust may be irritating to eyes, skin, and respiratory system. Caused mild to moderate conjunctival irritation in eye irritation studies using rabbits. Caused very mild redness in dermal irritation studies using rabbits (slightly irritating). Ingestion may cause gastrointestinal irritation, nausea, vomiting, and diarrhea.

**Long Term Toxicity:** Did not cause skin allergic reactions in skin sensitization studies using guinea pigs.

**Specific Effects:** May cause skin irritation and/or dermatitis. Ingestion may cause gastrointestinal irritation, nausea, vomiting, and diarrhea. Inhalation of dust may cause shortness of breath, tightness of the chest, a sore throat and cough. Burning produces irritant fumes.

**Mutagenic Effects:** Not mutagenic in Ames Tests

**Reproductive Toxicity:** No data is available on the product itself

**Carcinogenic Effects:** No data is available on the product itself

**Target Organ Effects:** There were no target organ effects noted following ingestion or dermal exposure in animal studies.

**Skin:** LD50/dermal/rabbit > 2000 mg/kg

**Ingestion:** LD50/oral/rat > 5000 mg/kg

12. ECOLOGICAL INFORMATION

**Mobility:** NO data available

**Bioaccumulation:** Does not bioaccumulate. Inherently biodegradable.

**Ecotoxicity Effects:** EC50/72h/algae > 1100 mg/L

13. DISPOSAL CONSIDERATIONS

**Waste from Residues/Unused Products:** In accordance with local and national regulations. Do not contaminate ponds, waterways, or ditches with chemical or used containers. Contact manufacturer.

**Contaminated Packaging:** Empty remaining contents. Do not re-use empty containers. Empty containers should be transported/delivered using a registered waste carrier to local recyclers for disposal.

14. TRANSPORT INFORMATION

**U.S. Department of Transportation (DOT):**

Proper shipping name: Not regulated as a hazardous material

**IMDG:**

Proper Shipping Name: None Hazard Class: Not regulated

UN/Id No: None packing group: None

**ICAO/IATA:**

Proper Shipping Name: None Hazard Class: Not regulated.

Packing Group: None

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15. REGULATORY INFORMATION

(Not meant to be all inclusive—selected regulations represented)

NOTICE: The information herein is presented in good faith and believed to be accurate as of the print date shown above. However, no warranty, express or implied is given. Regulatory requirements are subject to change and may differ from one location to another; it is the buyer’s responsibility to ensure that its activities comply with federal, state or provincial, and local laws. The following specific information is made for the purpose of complying with numerous federal, state or provincial, and local laws and regulations. See other sections for health and safety information.

U.S. REGULATIONS
Sara 313 title III: Not Listed

TSCA Inventory List – Listed State

Regulations
California Proposition 65  Not listed

International Inventories  Canada DSL
Inventory List: Listed
Reach/EU EINECS List: Components are in compliance with and/or listed
Japan (ECL): Listed
Australia (AICS): Listed
Korean Chemical Inventory: Listed
Philippines (PICCS) Inventory: Not Listed
China Inventory of Existing Chemical Substances List: Listed

16. OTHER INFORMATION

Label Information: 3D-Fuel Buzzed™
Product Code: Buzzed™

Reason for Revisions: Not applicable

Revision Date: 09-01-2020
Print Date: 09-01-2020

Recommended Restrictions: None
Prepared by: 3DomFuel Inc.