

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Toner Plastics PLA Filament

**SYNONYMS:** Toner Plastics PLA 3D Printing Filament

**MANUFACTURER:** Toner Plastics, Inc.  
**ADDRESS:** 35 Industrial Drive  
East Longmeadow, MA 01001

**EMERGENCY PHONE:** 413-525-2369  
**OTHER CALLS:** 413-525-2369  
**HOME PAGE:** [www.tonerplastics.com](http://www.tonerplastics.com)  
**CONTACTS:** Michael Reed - Manufacturing Engineer mr@tonerplastics.com

### SECTION 2: HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW:

This product is not classified according to 29 CFR 1910.1200 Hazard Communication Standard 2012.

#### POTENTIAL HEALTH EFFECTS:

**EYES:** None  
**SKIN:** None  
**INGESTION:** None  
**INHALATION:** None

**CHRONIC HEALTH HAZARDS:** See section 11 for more information.

**OTHER HAZARDS:** Dust that may be generated from processing or other means may become combustible.

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS	CAS NO.	%WT	SARA 313 REPORTABLE
Poly lactide Resin	9051-89-2	>98%	Not Classified

**NOTES:** Particulates may be generated that are Not Otherwise Classifiable (PNOC). OSHA and/or ACGIH guidelines should be followed for PNOC.

OSHA: 15mg/m<sup>3</sup>(Total Dust), 5mg/m<sup>3</sup> (Respirable Fraction)

ACGIH: 10mg/m<sup>3</sup> (Inhalable Particulates), 3mg/m<sup>3</sup> (Respirable Particulates)

### SECTION 4: FIRST AID MEASURES

**EYE CONTACT:** Rinse immediately with water for 15 minutes. Call a physician immediately.  
**SKIN CONTACT:** Not expected to cause irritation. After contact with skin, wash immediately with water. If irritation persists, contact a physician.  
**INGESTION:** Drink water as a precaution. Do not induce vomiting without medical advice. Call a physician immediately.  
**INHALATION:** Move to fresh air. Call a physician.  
**NOTES TO PHYSICIANS:** Treat symptomatically.

### SECTION 5: FIRE-FIGHTING MEASURES

**FLAMABILITY CLASS:** 1

**EXTINGUISHING MEDIA:** Foam, Water, Carbon Dioxide (CO<sub>2</sub>), Dry Chemical

**SPECIAL PROTECTIVE EQUIPMENT:** Wear self-contained breathing apparatus, MSHA/NIOSH approved full protective gear

**UNDER FIRE CONDIDITONS:** Fine dust may ignite.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

**PERSONAL PRECAUTIONS:** Use personal protective equipment. Avoid contact with skin and eyes. Sweep up to prevent slipping. Avoid dust formation and all sources of ignition.

**ENVIRONMENTAL PRECAUTIONS:** Do not allow material to contaminate ground water.

**METHODS FOR CLEANING UP:** Exercise good housekeeping practices. Collect in suitable containers for disposal.

### SECTION 7: HANDLING AND STORAGE

**SAFE HANDLING:** Avoid contact with skin and eyes. Use personal protective equipment to protect against the possibility of contact with molten material. Avoid dust formation. Avoid overheating.

**STORAGE:** Store in a cool, dry place. Avoid exceeding 50°C.

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>ENGINEERING CONTROLS:</b>	Use local ventilation and good general extraction.
<b>RESPIRATORY PROTECTION:</b>	Use an approved respirator to protect against particulate exposure.
<b>EYE PROTECTION:</b>	Safety glasses with side shields.
<b>SKIN PROTECTION:</b>	Impervious clothing.
<b>WORK HYGIENIC PRACTICES:</b>	Avoid contact with skin, eyes, and clothing.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>APPEARANCE:</b>	Cord
<b>ODOR:</b>	Sweet
<b>PHYSICAL STATE:</b>	Solid
<b>PH:</b>	NA
<b>DENSITY:</b>	1.25
<b>DECOMPOSITION TEMP:</b>	250°C
<b>MELTING POINT/RANGE:</b>	150-180°C
<b>AUTOIGNITION TEMP:</b>	388°C
<b>WATER SOLUBILITY:</b>	Insoluble
<b>SOLUBILITY IN OTHER SOLVENTS:</b>	Not determined

### SECTION 10: STABILITY AND REACTIVITY

**STABILITY:** Stable under normal conditions.  
**CONDITIONS TO AVOID:** Avoid temperatures above the decomposition temperature (250°C).  
**MATERIALS TO AVOID:** Strong bases, oxidizing agents.

**Hazardous decomposition products:** Obnoxious and toxic fumes, aldehydes, carbon monoxide, carbon dioxide.

### SECTION 11: TOXICOLOGICAL INFORMATION

**PRINCIPAL ROUTES OF EXPOSURE:** Eye contact, skin contact, inhalation, ingestion.

**ACUTE TOXICITY:** No target organ effects during animal studies.

**LOCAL EFFECTS:** Dust may be irritating to eyes, skin, and respiratory system. Ingestion may cause gastrointestinal irritation, nausea, vomiting, and diarrhea.

**SPECIFIC EFFECTS:** May cause skin irritation. Fumes may cause shortness of breath, chest tightness, sore throat. Ingestion may cause gastrointestinal irritation, nausea, vomiting, and diarrhea.

**LONG TERM TOXICITY:** None found.

**MUTAGENIC EFFECTS:** None found.

**REPRODUCTIVE TOXICITY:** No data.

**CARCINOGENIC EFFECTS:** None found.

**TARGET ORGAN EFFECTS:** None found.

**SKIN:** LD50/dermal/rabbit > 2000 mg/kg.

**INGESTION:** LD50/dermal/rabbit > 5000 mg/kg.

### SECTION 12: ECOLOGICAL INFORMATION

**ECOTOXICITY EFFECTS:** EC50/72h/algae > 1100 mg/kg.

**PERSISTENCE AND DEGRADABILITY:** Inherently biodegradable.

**BIOACCUMULATION:** Not expected.

**MOBILITY:** No data.

### SECTION 13: DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL METHOD:** In accordance with local and federal regulations.

### SECTION 14: TRANSPORT INFORMATION

**NOTES:** Not regulated by the US Department of Transportation.

### SECTION 15: REGULATORY INFORMATION

#### FEDERAL REGULATIONS:

SARA 313: Not listed

TSCA Inventory List: Listed

#### STATE REGULATIONS:

California Proposition 65: Not listed

### SECTION 16: OTHER INFORMATION

**Disclaimer:** The information herein given is in good faith, but no warranty, express or implied, is made. Consult the company for further information.

**Notice 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 bodily fluid 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.