

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Toner Plastics Pearl PLA Filament

SYNONYMS: Toner Plastics Pearl PLA 3D Printing Filament

MANUFACTURER: Toner Plastics, Inc.
ADDRESS: 35 Industrial Drive
East Longmeadow, MA 01028

EMERGENCY PHONE: 413-525-2369
OTHER CALLS: 413-525-2369
HOMEPAGE: 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	% WT	SARA 313 REPORTABLE
Proprietary	100%	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/m³(Total Dust), 5mg/m³ (Respirable Fraction)

ACGIH: 10mg/m³ (Inhalable Particulates), 3mg/m³ (Respirable Particulates)

SECTION 4: FIRST AID MEASURES

EYE CONTACT: In case of contact immediately flush eyes with plenty of water for 15 minutes. If contact with molten material occurs seek medical attention immediately. If contact with non-molten material occurs, consult a physician.

SKIN CONTACT: The compound is not likely to be hazardous by skin contact, but cleansing the skin after use is advisable. If molten material gets on skin, cool rapidly with cold water. Do not attempt to remove material from skin. Obtain medical treatment for thermal burn.

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SAFETY DATA SHEET

INGESTION: Ingestion is not an expected route of exposure during normal use of the product. 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 (CO₂), Dry Chemical.

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

SPECIAL HAZARDS: Products may form explosive dust-air mixtures if high concentrations of product dust is suspended in air.

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: Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains, and sewers. Inform the relevant authorities if the product has caused environmental pollution.

METHODS FOR CLEANING UP: Vacuum or sweep up material and place in container for recycling or disposal. Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentrations. Avoid dispersal of dust in the air. Non-sparking tools should be used.

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, well-ventilated area, away from flame, ignition sources, direct sunlight, or incompatible materials. Maintain good housekeeping to control dust accumulations. Avoid exceeding 50°C.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Good general ventilation should be used. Provide for appropriate exhaust ventilation and dust collection at machinery. Provide exhaust ventilation at places where dust is formed.

RESPIRATORY PROTECTION: Not required under normal conditions of use. Where airborne concentrations are expected to exceed exposure limits, a NIOSH approved respirator should be selected based on the form and concentration of the contaminant in the air and in accordance with OSHA Respiratory Protection Standard (29 CFR 1910.134).

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SAFETY DATA SHEET

EYE PROTECTION:	Not required under normal conditions. Safety eyewear should be used when there is the likelihood of exposure.
SKIN PROTECTION:	If there is potential for contact with molten material, wear heat resistant impervious clothing and footwear. Special protective clothing is not needed.
WORK HYGIENIC PRACTICES:	Avoid contact with skin, eyes, and clothing. Wash hands before eating and at the end of working periods.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Cord
ODOR:	Sweet
PHYSICAL STATE:	Solid
PH:	NA
DENSITY:	Not determined
DECOMPOSITION TEMP:	250°C
MELTING POINT/RANGE:	180-220°C
AUTOIGNITION TEMP:	388°C
WATER SOLUBILITY:	Insoluble
SOLUBILITY IN OTHER SOLVENTS:	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. Acute L50 values for aquatic species is expected to be >100mg/L and >10mg/L for chronic toxicity.

PERSISTANCE AND DEGRADABILITY: Not readily 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.