



## Safety Data Sheet

### Poly lactide Resin (PLA) Gray Concentrate

#### Material Safety Data Sheet

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

**Product name:** PLA Colorant C11022

**Product Use:** Color concentrate & additive for use in polylactide resin

**Supplier:** Netco Extruded Plastics Inc. 30 Tower Street Hudson, MA 01028

**Emergency telephone numbers (24 hours a day):** (978) 562-3485 or 1(800)-638-2621

#### 2. HAZARDS IDENTIFICATION

**Principal routes of exposure:** Inhalation Skin Eyes

**Skin Contact** May cause sensitization by skin contact  
**Eye contact** Fumes or mist may be irritating to eyes  
**Inhalation** Inhalation of dust may irritate respiratory tract.  
**Ingestion** Ingestion is not expected to occur. If swallowed, may physically irritate digestive system.

#### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Chemical name:**

Components	Weight %	CAS-No	OSHA:	ACGIH
Poly lactide resin	75-100	9051-89-2	Not determined	Not determined

#### 4. FIRST AID MEASURES

**Inhalation:** If overcome by fumes, mist or dust, move to fresh air. If symptoms persist, contact a physician.

**Skin contact:** For hot product, immediately immerse in, or flush the affected area with large amounts of cold water. Cover with clean cotton sheeting or gauze and get prompt medical attention. Do not remove material from skin as the damaged flesh can be easily torn. Flush with large amounts of cool water. If irritation persists, contact physician.

**Eye contact:** Flush eyes with plenty of water. If irritation persists, consult a physician

**Ingestion:** Not likely to be ingested in present form

#### 5. FIRE FIGHTING MEASURES

**Suitable extinguishing media:** Dry chemical, foam, carbon dioxide (CO<sub>2</sub>) or water spray.

**Flash Point:** >600 °F or >300 °C

**NFPA**      **Health: 1**      **Flammability: 1**      **Instability: 0**  
**HMIS**      **Health: 1**      **Flammability: 1**      **Reactivity: 0**



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**Hazardous combustion products:** Oxides of nitrogen and carbon.

### Key

See also section 3

## 6. ACCIDENTAL RELEASE MEASURES

**General Procedures:** Stop source of spill. Sweep up for immediate collection and disposal. If material enters a sewer or waterway, notify responsible authorities of presence of possibly toxic plastic pellets.

**Environmental precautions:** Do not contaminate ground water system.

## 7. HANDLING AND STORAGE

**Handling:** Use with adequate ventilation. Minimize dust generation.

**Storage:** Store at ambient temperature and keep dry.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering measures:** If process generates dust, fumes, or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

### **PERSONAL PROTECTIVE EQUIPMENT:**

**Respiratory protection:** If dust, smoke or fumes are generated in processing or handling, wear appropriate approved respiratory protection to keep concentration below the permissible exposure limit.

**Hand protection:** Wear suitable gloves to protect against specific hazard

**Skin and body protection:** Low hazard for usual industrial or commercial handling.

**Eye protection:** Wear eye/face protection appropriate for the specific hazard.

**Hygiene measures:** Do not breathe fumes/mist. Avoid contact with skin.

## 9. PHYSICAL AND CHEMICAL PROPERTIES:

**Physical state:** Solid

**Color:** Gray

**Odor:** No Odor

**Melting Point:** : >470 °F or >243 °C

**Specific Gravity:** 1.48

**Solubility:** Insoluble

## 10. STABILITY AND REACTIVITY

**Stability:** Stable under recommended storage conditions



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**Polymerization:** None known

**Hazardous decomposition products:** Oxides of nitrogen and carbon

**Conditions to avoid:** Do not store near heat, flame or strong oxidants. Minimize dust generation and accumulation.

## 11. TOXICOLOGICAL INFORMATION

**Acute toxicity:** N/A

### **Local effects:**

Skin irritation: No data available  
Eye irritation: No data available  
Inhalation: No data available  
Ingestion: No data available  
Sensitization: No data available  
Chronic toxicity: No data available

### **Specific effects:**

Carcinogenic effects: Possible risk or irreversible effects. Carbon black is classified by IARC: Group 2B possible human carcinogen. When encapsulated in a plastic matrix, risk of exposure is reduced.  
Mutagenic effects: Not considered to be mutagenic  
Reproductive Toxicity: Not believed to be a reproductive hazard  
Target organ effects: Skin eyes respiratory tract

## 12. ECOLOGICAL INFORMATION

**Environmental Data:** Not expected to be hazardous to the environment in present form.

**Endotoxicological Information:** May be harmful to wildlife if ingested

**Ecological Comments:** Keep out of waterways.

## 13. DISPOSAL CONSIDERATIONS

**Product Disposal:** Sweep up spilled material and place in a suitable container for recycle or disposal. Dispose of recovered material according to current regulations.

**General Comments:** It is recommended that all waste be analyzed for compliance to applicable laws and regulations governing proper waste disposal methods and reporting requirements.



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**14. TRANSPORT INFORMATION**

**UN/Id No** No information available

**DOT:** Not regulated for transport

**TDG (Canada):** Not regulated for transport

**IMDG/IMO:** Not regulated for transport

**ADR/RID:** Not regulated for transport

**ICAO:** Not regulated for transport

**15. REGULATORY INFORMATION**

**INTERNATIONAL INVENTORIES**

**U.S E.P.A. TSCA** All components in this product appear on this E.P.A TSCA Inventory or are exempt.

**FIFRA – Listing of Pesticide Chemicals** This product does not contain chemicals registered with FIFRA

**Canada DSL & NDSL** All components in this product appear on the DSL or NDSL

**U.S. REGULATIONS**

The following information pertains to the product

<b>Components</b>	<b>CERCLA/SARA 302 TPQ:</b>	<b>CERCLA/SARA 312:</b>	<b>CERCLA/SARA 313:</b>
Zinc Ferrite (PY119) 68187-51-9 (<1)			= 1.0 % de minimis concentration
Carbon Black (PBK7) 1333-86-4 (1-5)		0.1 Deminimus	



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The following information pertains to the components:

Components	MARTK:	NJRTK:	PARTK:
Titanium Dioxide (PW6) 13463-67-7	Present	Sn 1861 1861	Present
Zinc Ferrite (PY119) 68187-51-9	Present	Sn 2021 (dust and fume) 2021 Sn 3012 3012	Environmental Hazard
Carbon Black (PBK7) 1333-86-4	Present (exempt when encapsulated or if particles are not present and cannot be substantially generated through use of the product)	Sn 0342 0342	present
Iron Oxide 1309-37-1	Present (dust and Fume)	Sn 1036 (dust and fume) 1036	Present

CARBON BLACK (PBK7) – 1333-86-4

California Proposition 65 – carcinogen, initial date 2/21/03 (airborne, unbound particles of respirable size)

#### Canada

Components	Canada – WHMIS: Classifications of Substances	Canada – Ingredient Disclosure
Titanium Dioxide (PW6) 13463-67-7 (20-30)	D2A	1%
Carbon Black (PBK7) 1333-86-4 (<1)	D2A	1%
Iron Oxide 1309-37-1 (<0.1)		1%

## 16. OTHER INFORMATION

**Reason for revision:** Created Revision date: 11/12/2014

**Prepared by:** Netco Extruded Plastics Inc.

**NOTICE:** The information contained herein is provided by the suppliers of our raw materials. While NETCO believes the information contained herein is accurate, NETCO Extruded Plastics, Inc. makes no warranty, express or implied, with respect to this information and expressly disclaims all liability for reliance thereon. This data is offered for your consideration, investigation and verification.



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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. (Not meant to be all inclusive--selected regulations represented)