



Safety Data Sheet

Poly lactide (PLA) Black Concentrate

Material Safety Data Sheet

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

Product name: PLA Colorant C05022

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
Carbon Black	1-5	1333-86-4	= 3.5 mg/m ³ TWA	= 3.5 mg/m ³ TWA

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 (CO₂) or water spray.

Flash Point: >600 °F or >300 °C



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NFPA Health: 1 Flammability: 1 Instability: 0

HMIS Health: 1 Flammability: 1 Reactivity: 0

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: Black

Odor: No Odor

Melting Point: : >470 °F or >243 °C

Specific Gravity: 1.27

Solubility: Insoluble



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10. STABILITY AND REACTIVITY

Stability: Stable under recommended storage conditions

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.



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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.

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 the 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

Components	CERCLA/SARA 302 TPQ:	CERCLA/SARA 312:	CERCLA/SARA 313:
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:
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)		

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
Octadecanoic Acid 57-11-4 (<0.1)		1%
Carbon Black (PBK7) 1333-86-4 (1-5)	D2A	1%

16. OTHER INFORMATION

Reason for revision: Created Revision date: 09/24/2014

Prepared by: Netco Extruded Plastics Inc.

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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)