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**Effective Date:** 12/11/08

**Material Safety Data Sheet**

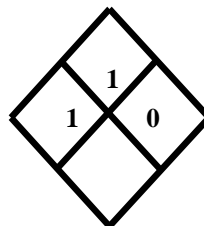
MSDS No: 8127

**1. PRODUCT IDENTIFICATION**

**Trade Name:** Lapol™ Concentrate

**Material Code:** CC-190431-PLA

**Chemical Family:** Polyester Resin & Poly Lactic Acid



NFPA RATING

<b>Health:</b>	<b>1</b>
<b>Flammability:</b>	<b>1</b>
<b>Reactivity:</b>	<b>0</b>
<b>Personal Protection:</b>	

HMIS RATING

**2. COMPOSITION / INFORMATION ON INGREDIENTS**

O S H A	CAS No.	CHEMICAL IDENTITY	EXPOSURE LIMITS				CARCINOGEN STATUS			
			ACGIH		OSHA		MFR.	IARC	NTP	OSHA
			TWA	STEL	PEL	STEL				
	Proprietary Concentration	Lapol Polyester Resin and PLA 60.00% Lapol 40.00% PLA by wt	NE	NE	NE	NE	NE	NR	NR	NR

NE = Not Established NR = Not Reviewed

**Reference Notes:** Refer to Section 8, Subheading "Exposure Guidelines", for additional information concerning exposure limits.

**3. HAZARDS IDENTIFICATION**

**Emergency Overview:** Appearance: Light Yellow Pellets Solid Odorless

**Route(s) of Entry:** Skin contact, Eye contact, Ingestion

**Acute Exposure:** INHALATION: Vapors and/ or aerosols may be formed at elevated temperatures. Inhalation of these may cause irritation to the respiratory tract (nose, throat, and lungs).

SKIN: Repeated or prolonged contact may dry and irritate the skin.

EYES: Direct contact with this material may cause eye irritation including tearing and redness.

INGESTION: Ingestion (swallowing) may irritate the mouth, throat, and stomach. Ingestion is not an anticipated route of exposure for this material in industrial use.

**Carcinogenicity:** This material does not contain 0.1% or more of any chemical listed by the International Agency for Research on Cancer (IARC), the National Toxicology Program (NTP), or regulated by the Occupational Safety and Health Administration (OSHA) as a carcinogen.

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#### **4. FIRST AID MEASURES**

**Eye Contact:** Immediately flush eyes with large quantities of clean water for at least 15 minutes. Get immediate medical attention.

**Skin Contact:** Wash skin with soap and water. Remove contaminated clothing. Get medical attention if irritation develops or persists. Wash contaminated clothing before reuse.

**Ingestion:** Give the victim one or two glasses of water or milk to drink. Never give anything by mouth to an unconscious person. IMMEDIATELY SEEK MEDICAL ATTENTION.

**Inhalation:** Remove affected individual(s) to fresh air. Seek medical attention if breathing difficulty develops.

#### **5. FIRE FIGHTING MEASURES**

<b>Flash Point:</b>	Not applicable
<b>Flash Point Method Used:</b>	Not applicable
<b>Flammable Limits in Air (Lower):</b>	Not applicable
<b>Flammable Limits in Air (Upper):</b>	Not applicable
<b>Autoignition:</b>	Not available

**General Hazards:** None Known.

**Fire Fighting Extinguishing Media:** Use carbon dioxide, foam, dry chemical or water fog to extinguish fire.

**Fire Fighting Equipment:** Wear self-contained breathing apparatus (SCBA) and full fire-fighting protective clothing. Thoroughly decontaminate all protective equipment after use.

**Fire Fighting Instructions:** Evacuate all persons from the fire area to a safe location. Move non-burning material, as feasible, to a safe location as soon as possible. Fire fighters should be protected from potential explosion hazard while extinguishing the blaze. Use water spray to cool fire-exposed containers.

**Fire and Explosion Hazards:** No special fire and explosion hazards are associated with this material.

**Hazardous Combustion Products:** Combustion may produce carbon monoxide, carbon dioxide and irritating or toxic vapors and gases.

#### **6. ACCIDENTAL RELEASE MEASURES**

**Accidental Release Measures:** Collect material and place in a closed container.

#### **7. HANDLING AND STORAGE**

**Signal Word:** C A U T I O N

**Handling Information:** Avoid inhalation and contact with eyes, skin, and clothing. Wash hands thoroughly after handling and before eating or drinking. Use with adequate ventilation.

**Storage Information:** Keep container closed when not in use. Store in original containers. Store in a dry area.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure Guidelines:** There are no Occupational Safety and Health (OSHA) Permissible Exposure Limits (PEL) or American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Values (TLV) or Short Term Exposure Limits (STEL) established for the component(s) of this product.

**Engineering Controls:** Good general ventilation should be sufficient to control airborne levels of irritating vapors.

**Eye Protection:** Wear safety glasses with side shields or goggles. Facilities storing or utilizing this material should be equipped with an eyewash station and safety shower.

**Skin Protection:** As required to prevent prolonged or repeated skin contact.

**Respiratory Protection:** If material generates fumes when heated, a NIOSH/MSHA approved air-purifying respirator with organic vapor cartridge or canister may be used to minimize exposure.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Color:</b>	Light yellow
<b>Odor:</b>	Odorless
<b>Odor Threshold:</b>	Not available
<b>Physical State:</b>	Solid
<b>Solubility in Water:</b>	Insoluble
<b>Vapor Pressure:</b>	Not applicable
<b>Specific Gravity:</b>	1.2 (Water = 1) at 25°C (77 °F)
<b>Boiling Point:</b>	°F @ 4mm Hg Not applicable
<b>Melting Point:</b>	Not available
<b>Evaporation Rate:</b>	Not applicable
<b>Vapor Density:</b>	Not applicable
<b>% Volatile:</b>	< 1 % by weight
<b>VOC Content:</b>	< 1 % by weight (calculated)product as supplied
<b>pH:</b>	Not applicable

## 10. STABILITY AND REACTIVITY

**Stability:** This material is stable during storage and during its intended use.

**Incompatibility:** No incompatibilities have been identified.

**Hazardous Decomposition Products:** Thermal decomposition may form: carbon monoxide, carbon dioxide, and various hydrocarbons.

**Hazardous Polymerization:** Hazardous polymerization will not occur.

**Conditions to Avoid:** None known.

## 11. TOXICOLOGICAL INFORMATION

**Acute Eye Toxicity:** No information is available.

**Acute Skin Toxicity:** No information is available.

**Acute Inhalation Toxicity:** No information is available.

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**Acute Oral Toxicity:** No information is available.

**Chronic/Carcinogenicity:** This material does not contain 0.1% or more of any chemical listed by the International Agency for Research on Cancer (IARC), the National Toxicology Program (NTP), or regulated by the United States Occupational Safety and Health Administration (OSHA) as a carcinogen.

**Additional Information:** No toxicological data is available for this product. Based on properties and similar polymers, the polyester resin is not hazardous.

## **12. ECOLOGICAL INFORMATION**

**Ecotoxicity:** No information is available.

**Environmental Fate:** No information is available.

## **13. DISPOSAL CONSIDERATIONS**

**Waste Disposal Method:** Not a RCRA hazardous waste. Disposal of this material is not regulated under RCRA. Consult federal, state and local regulations to ensure that this material and its containers, if discarded, is disposed of in compliance with all regulatory requirements.

**RCRA Hazard Class:** NOT A RCRA HAZARDOUS WASTE: When discarded in its purchased form, this material would not be regulated as a RCRA Hazardous waste under 40 CFR 261.

## **14. TRANSPORT INFORMATION**

**DOT / IATA / IMDG / TDG: Bulk and Non-Bulk**

**Proper Shipping Name:**

NOT REGULATED

## **15. REGULATORY INFORMATION**

**Occupational Safety and Health Act (OSHA):** This material is not classified as hazardous under the criteria of the US Occupational Safety and Health Administration (OSHA) Hazard Communication Standard, 29 CFR 1910.1200.

**SARA Title III: Section 302 - Extremely Hazardous Substances (EHS):** This product does not contain any chemicals regulated under Section 302 (40 CFR 355) as extremely hazardous substances.

**SARA Title III: Section 304 - CERCLA:** Reportable Quantities have not been established for any of this material's components.

**SARA Title III: Section 311/312 - Hazard Communication Standard (HCS):** This product is not regulated under Section 311-312 (40 CFR 370).

**SARA Title III: Section 313 Toxic Chemical List (TCL):** This product does not contain any chemicals for routine annual toxic chemical release reporting under Section 313 (40 CFR 372).

**TSCA Section 8(b) - Inventory Status:** All components of this material are listed on or are exempt from the US Toxic Substances Control Act (TSCA) inventory.

**TSCA Section 12(b) - Export Notification:** This material does not contain any components that are subject to the US Toxic Substances Control Act (TSCA) Section 12(b) Export Notification requirements.

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**Canadian Inventory Status:** This material contains components that are NOT listed on the Canadian Domestic Substances List (DSL) or the Canadian Non-Domestic Substances List (NDSL).

**Canadian WHMIS:** This material is not classified as a controlled product under the Canadian Workplace Hazardous Material Information System.

**California Proposition 65:** W A R N I N G: This material contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

**Additional Canadian Regulatory Information:** This product does not contain a substance present on the WHMIS Ingredient Disclosure List (IDL) which is at or above the specified concentration limit.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

## **16. OTHER INFORMATION**

<b>MSDS No:</b>	8127
<b>Reason Issued:</b>	Updates to Sections 2 and 15
<b>Prepared By:</b>	Product Safety & Compliance Department
<b>Supersedes Date:</b>	05/16/08

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