

**Material Safety Data Sheet**  
**In according to the Regulation (CE) n. 1907/2006 REACH**  
data Rev. Date: 18/12/2015  
Data Sheet B3245 in Rev. n. 0

**1. Identification of the Product and of the Company**

<b>Product name:</b>	<b>PLA RED</b>
<b>Code number:</b>	B3245
<b>Product description:</b>	Biopolymer be used in 3D applications.
<b>Company name:</b>	Olivetti S.p.A. Via Jervis 77 10015 Ivrea (TO) - ITALY
<b>For information:</b>	Tel. 0039 (0)125 775710 Fax 0039 (0)125 775711 e-mail : <a href="mailto:supplies@olivetti.com">supplies@olivetti.com</a>
<b>For emergency:</b>	Centro Antiveleni-Ospedale Niguarda (Milano) 0039 (0)2 66101029

**2. Hazards identification**

Classification: Not classified as dangerous in according to the Regulation EC n°1272/2008

Most Important Hazards and Effects of the Products

<b>Ingestion Effect:</b>	None currently known.
<b>Inhalation Effect:</b>	None currently known. Minimal respiratory tract irritation may occur as with exposure to large amount of any non-toxic dust.
<b>Eye Effect:</b>	None currently known.
<b>Skin Effect:</b>	None currently known.
<b>Chronic Effects:</b>	None currently known.
<b>Environment Hazards:</b>	No data are available on the adverse effects of this product on the environment.
<b>Specific Hazards:</b>	None currently known.



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**3. Composition/information on ingredients**

Substance [ ]                      Preparation [ X ]

Chemical name	Weight %	CAS number	EINECS number	EU classification
Poly lactide Resin	98	9051-89-2	+++	Not classified

**4. First – aid measures**

- Ingestion:**                      Wash out mouth with water. Drink one or two glasses of water. If symptoms occur, get medical attention.
- Inhalation:**                      Move victim to fresh air immediately. If symptoms occur, get medical attention.
- Eye contact:**                      Immediately flush eyes with plenty of water for 15 minutes. If symptoms occur, get medical attention.
- Skin contact:**                      Wash with water and mild soap.

**5. Fire – fighting measures**

- Suitable Extinguishing Media:**                      CO2, water spray, foam and dry chemical.
- Suitable Extinguishing Media to Avoid:**                      Full water jet
- Fire and Explosion Hazards:**                      If dispersed in air, like most finely divided organic powders, may form an explosive mixture.
- Protection of fire-fighters:**                      Use self-contained breathing apparatus (SCBA)

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**6. Accidental release measures**

<b>Personal precautions:</b>	None
<b>Environmental precautions:</b>	None.
<b>Methods for Cleaning-up:</b>	Wear personal protective equipment (See Section 8). Vacuum or sweep material and place in a bag and hold for waste disposal.

**7. Handling and storage**

<b>Handling:</b>	
Technical Measures:	None
Precautions:	Do not breathe dust. Avoid contact with eyes.
Safe Handling Advice:	Try not to disperse the particulates.
<b>Storage:</b>	
Technical Measures:	None
Storage Conditions:	Keep container closed. Store in a cool and dry place. Keep out of reach of children.
Incompatible Products:	None

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**8. Exposure controls/personal protection**

<b>Ventilation:</b>	Ventilation is not required under normal use,
<b>Hygiene measures:</b>	Wash hands after handling compounds and before eating, smoking, using lavatory, and at the end of day.
<b>Occupational Exposure limits</b>	OSHA PEL/TWA PNOC 15mg/m3 total dust, 5mg/m3 for the respirable fraction. ACGIH TLV/TWA 10mg/m3 for inhalable particulates, 3mg/m3 for respirable particulates.
<b>Personal protective equipment</b>	Not necessary for the normal use. In case of accidental dispersion used respiratory protection (P2), eye protection, hand protection.

**9. Physical and chemical properties**

<b>Physical state:</b>	Solid
<b>Form:</b>	Clear, opaque
<b>Color:</b>	Red
<b>pH</b>	Not applicable
<b>Odor:</b>	Almost odorless
<b>Boiling point (°C)</b>	Not applicable
<b>Melting point (°C / [F]):</b>	150-180°C
<b>Flash Point (°C):</b>	Not applicable
<b>Ignition Temperature (°C)</b>	388 °C
<b>Vapor Pressure:</b>	Not applicable
<b>Specific Gravity:</b>	1,25 g/cm3
<b>Solubility:</b>	Insoluble in water
<b>Partition Coefficient, n-Octanol/Water:</b>	Not applicable

**10. Stability and reactivity**

<b>Stability:</b>	Stable except above 230 °C.
<b>Hazardous Reactions:</b>	Dust explosion, like most finely divided organic powders.
<b>Conditions to avoid:</b>	Electric discharge, throwing into fire.
<b>Materials to Avoid:</b>	Oxidizing materials.
<b>Hazardous decomposition products:</b>	CO, CO <sub>2</sub> , NO <sub>x</sub> and smoke. Hazardous Polymerization: Will not occur.



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**11. Toxicological information**

**Acute Toxicity:**

Ingestion(oral), LD50(mg/kg): >2000 (Rabbit)  
Dermal, LD50(mg/kg): >2000 (Rat)

**Skin sensitizer:** Non sensitizer (Guinea pig)

**Local Effects:** see Chronic Toxicity or Long term Toxicity

**Chronic Toxicity or Long Term Toxicity:** Did not cause skin allergic reactions in skin sensitization studies using pigs

**Carcinogenicity:** None of the components of this product are listed as carcinogens

**Mutagenicity:** Negative(AMES test)

**12 Ecological information**

No data are available on the adverse effects of this material on the environment.

Ecotoxicity: No data available

Mobility: No data available

Persistence and degradability: No data available

Bioaccumulative potential: No data available

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**13 Disposal considerations**

When disposing of the waste or recovered material, consult federal, state and/or local regulations for the proper disposal method.

**14. Transport information**

Information on Code and Classifications According to International Regulations

UN Classification: None

**15. Regulatory information**

**EU regulations**

Classification and labelling have been performed according to EU directives 67/548/EEC, 1999/45/EC including amendments.

<b>Symbol and Indication :</b>	Not required.
<b>R-Phrase :</b>	Not required.
<b>S-Phrase :</b>	Not required.

**16. Other information**

This Material Safety Data Sheet was prepared in according to the Regulation (CE) n. 1907/2006 REACH and Regulation EC n°1272/2008.

This information adds to those contained in the 'Instructions of use' for same product, but does not substitute them.

The information contained herein relates only to the referred product as manufactured and put into the market, and is not valid for other combinations of same materials.

It is the user's responsibility to determine the suitability of such information for his intended use.