

**SECTION 1: Identification of the article and of the company/undertaking****1.1. Product identifier**

Product name : PLA-R

**1.2. Relevant identified uses of the article and uses advised against****1.2.1. Relevant identified uses**

Main use category : Industrial use, Professional use, Consumer use

**1.2.2. Uses advised against**

No additional information available

**1.3. Details of the supplier of the safety document**

ARMOR 3D

7, rue de la Pélissière

44118 La Chevrolière - France

T +33(0)240384000

**1.4. Emergency telephone number**

No additional information available

**SECTION 2: Hazards identification**

Not applicable

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

**SECTION 3: Composition/information on ingredients**Polylactic Acid recycled ( $\geq 97\%$ ).**SECTION 4: First aid measures****4.1. Description of first aid measures**

First-aid measures general : If you feel unwell, seek medical advice (show the label where possible).  
First-aid measures after inhalation : If you feel unwell, seek medical advice.  
First-aid measures after skin contact : When symptoms occur: rinse immediately with plenty of water. Obtain medical attention if irritation persists.  
First-aid measures after eye contact : Rinse immediately with plenty of water. Consult an eye specialist. Remove contact lenses, if present and easy to do. Continue rinsing.  
First-aid measures after ingestion : Rinse mouth out with water. Do not induce vomiting. Get medical advice/attention.

**4.2. Most important symptoms and effects, both acute and delayed**

Symptoms/effects : May cause severe burns if heated.  
Symptoms/effects after skin contact : Causes severe burns if heated.  
Symptoms/effects after ingestion : Abdominal pain, nausea.

**4.3. Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

**SECTION 5: Firefighting measures****5.1. Extinguishing media**

Suitable extinguishing media : Dry powder. Water spray. Foam.  
Unsuitable extinguishing media : Do not use a heavy water stream.

**5.2. Special hazards arising from the article**

Explosion hazard : Avoid raising powdered material due to explosion hazard.

**5.3. Advice for firefighters**

Precautionary measures fire : Evacuate area. Eliminate all ignition sources if safe to do so.  
Firefighting instructions : Do not enter fire area without proper protective equipment, including respiratory protection. Use water spray or fog for cooling exposed containers.  
Protection during firefighting : Do not attempt to take action without suitable protective equipment. [In case of inadequate ventilation] wear respiratory protection.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

General measures : Prevent from entering sewers, basements and workpits, or any place where its accumulation can be dangerous. Evacuate area.

**6.1.1. For non-emergency personnel**

No additional information available

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### 6.1.2. For emergency responders

No additional information available

### 6.2. Environmental precautions

Avoid release to the environment.

### 6.3. Methods and material for containment and cleaning up

For containment : Collect spillage.

### 6.4. Reference to other sections

No additional information available

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Avoid dust formation.

Hygiene measures : Do not eat, drink or smoke during use.

### 7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Keep in a cool, well-ventilated place away from heat. Provide local exhaust or general room ventilation.

Storage conditions : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Protect from moisture. Keep away from ignition sources.

Incompatible products : Oxidizing agent.

Storage temperature :  $\leq 50$  °C

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No additional information available

### 8.2. Exposure controls

#### Hand protection:

Protective gloves

#### Eye protection:

In case of dust production: protective goggles

#### Skin and body protection:

Wear suitable protective clothing

#### Respiratory protection:

No respiratory protection needed under normal use conditions. Where exposure through inhalation may occur from use, respiratory protection equipment is recommended

#### Other information:

Do not eat, drink or smoke when using this product.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Solid
Odour	: odourless.
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: 90 - 180 °C
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: $> 250$ °C
Decomposition temperature	: $> 220$ °C
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 1200 - 1300 kg/m <sup>3</sup>
Solubility	: No data available

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Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No additional information available

### 10.4. Conditions to avoid

Above a temperature of 230°C.

### 10.5. Incompatible materials

Oxidizing agent.

### 10.6. Hazardous decomposition products

Carbon dioxide. Carbon monoxide. fume.

## SECTION 11: Toxicological information

No additional information available.

## SECTION 12: Ecological information

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste treatment methods	: Dispose in a safe manner in accordance with local/national regulations.
Product/Packaging disposal recommendations	: Disposal must be done according to official regulations. Comply with applicable regulations for solid waste disposal.

## SECTION 14: Transport information

Not applicable.

## SECTION 15: Regulatory information

No additional information available.

## SECTION 16: Other information

No additional information available

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*