

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

Product name : PLA-HI

**1.2. Relevant identified uses of the substance or mixture 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 data sheet**

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

**SECTION 4: First aid measures****4.1. Description of first aid measures**

First-aid measures after inhalation : In the event of faintness in consequence of exposure, immediately transport the victim to the fresh air. If symptoms persist call a doctor.

First-aid measures after skin contact : Cool skin rapidly with cold water after contact with molten product. Get medical advice/attention. Do not pull solidified product away from the skin.

First-aid measures after eye contact : Rinse immediately with plenty of water. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion : Ingestion is not considered a potential route of exposure.

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

No additional information available

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

No additional information available

**SECTION 5: Firefighting measures****5.1. Extinguishing media**Suitable extinguishing media : Foam, powder, carbon dioxide (CO<sub>2</sub>), water spray.

Unsuitable extinguishing media : Do not use a heavy water stream.

**5.2. Special hazards arising from the substance or mixture**Hazardous decomposition products in case of fire : Thermal decomposition generates : Carbon oxides (CO, CO<sub>2</sub>). Nitrogen Oxides (NO<sub>x</sub>).**5.3. Advice for firefighters**

Protection during firefighting : Use self-contained breathing apparatus and chemically protective clothing.

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

General measures : Avoid static electricity discharges.

**6.1.1. For non-emergency personnel**

No additional information available

**6.1.2. For emergency responders**

No additional information available

**6.2. Environmental precautions**

Store away from heat. Keep dry. Provide local exhaust or general room ventilation to minimize exposure to dust. Do not allow to enter drains or water courses.

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

Methods for cleaning up : Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal.

# PLA-HI

## Safety Document

### 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 : Avoid dust formation. Remove all sources of ignition. Ensure good ventilation of the work station. Do not eat, drink or smoke when using this product. To avoid breathable dust, do not grind or mill product.

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

Storage conditions : Store in a dry, cool area.

### 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

#### Appropriate engineering controls:

Provide adequate ventilation to minimize dust concentrations.

#### Hand protection:

In the event of contact with molten product : Protective gloves

#### Skin and body protection:

Wear suitable protective clothing

#### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

## SECTION 9: Physical and chemical properties

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

Physical state	: Solid
Odour	: No data available
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: > 450 °C
Decomposition temperature	: No data available
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	: ≈ 1.2 g/cm <sup>3</sup>
Solubility	: No data available
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

Stable under normal conditions.

# PLA-HI

## Safety Document

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

The product is stable at normal handling and storage conditions.

### 10.4. Conditions to avoid

To avoid breathable dust, do not grind or mill product.

### 10.5. Incompatible materials

Strong oxidizers.

### 10.6. Hazardous decomposition products

No additional information available

## 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 : If recycling is not possible, eliminate in accordance with local valid waste disposal regulations.

## SECTION 14: Transport information

No additional information available

## 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.*