PLA-HI

Safety Document

Issue date: 4/2/2019 Revision date: 1/3/2022 Supersedes version of: 6/1/2021 Version: 2.0

SECTION 1: Identification of the article and of the company/undertaking

1.1. Product identifier

Article name : PLA-HI

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

KIMYA
20 rue Chevreul
44100 Nantes - France
T +33(0)2 40 38 40 00
contact@kimya.fr - www.kimya.fr

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 : Wash off with plenty of water. 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 : Wash immediately with plenty water (during 20 minutes), also under eyelids. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion : Ingestion is not considered a potential route of exposure. Rinse mouth out with water. Never give anything by mouth to an unconscious person.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray. dry chemical powder, alcohol-resistant foam, carbon dioxide (CO2).
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the article

Hazardous decomposition products in case of fire : Thermal decomposition generates : Carbon oxides (CO, CO2). Nitrogen Oxides (NOx). Aldehydes. fume. Styrene. Acrylates. Butadiene.

5.3. Advice for firefighters

Precautionary measures fire : Dust may form explosive mixture in air.
Firefighting instructions : Use water spray or fog for cooling exposed containers.
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. Avoid dust formation. Remove ignition sources.

6.1.1. For non-emergency personnel

Protective equipment : Wear recommended personal protective equipment. Avoid contact with skin, eyes and clothing.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment.

6.2. Environmental precautions

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.

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 : Risk of thermal burns on contact with molten product. 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.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a dry, cool area. Store at temperatures not exceeding 50°C (122°F).

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. National occupational exposure and biological limit values

No additional information available

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:
Provide adequate ventilation to minimize dust concentrations.

8.2.2. Personal protection equipment

8.2.2.1. Eye and face protection

Eye protection:
In case of dust production: protective goggles

8.2.2.2. Skin protection

Skin and body protection:
Wear suitable protective clothing

Hand protection:
In the event of contact with molten product : Protective gloves

8.2.2.3. Respiratory protection

Respiratory protection:
In case of insufficient ventilation, wear suitable respiratory equipment

8.2.2.4. Thermal hazards

Thermal hazard protection:
Risk of thermal burns on contact with molten product.

8.2.3. Environmental exposure controls

No additional information available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Solid
Odour	:	Sweet.
Odour threshold	:	No data available
pH	:	No data available
Relative evaporation rate (butylacetate=1)	:	No data available
Melting point	:	150 – 180 °C
Freezing point	:	No data available
Boiling point	:	No data available
Flash point	:	No data available
Auto-ignition temperature	:	388 °C
Decomposition temperature	:	250 °C
Flammability (solid, gas)	:	No data available
Vapour pressure	:	No data available
Relative vapour density at 20 °C	:	No data available
Relative density	:	1.25
Solubility	:	not soluble in water.
Partition coefficient n-octanol/water (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.

10.2. Chemical stability

Stable under the recommanded storage conditions.

10.3. Possibility of hazardous reactions

None under normal use.

10.4. Conditions to avoid

Above a temperature of 230°C.

10.5. Incompatible materials

Strong oxidizers. Strong bases.

10.6. Hazardous decomposition products

Toxic fumes. Aldehydes. Carbon oxides (CO, CO2). Acrylates. Butadiene. Styrene.

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. Do not allow into drains or water courses.

SECTION 14: Transport information

Exempt from transport classification and labelling

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.