

MATERIAL SAFETY DATA SHEET

PLA

1. Product and company identification

1.1. Trade name

Recreus PLA

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses

Industrial/Professional use spec: Manufacture of plastics products, including compounding and conversion.

For professional use only.

Uses advised against

No additional information available.

1.3. Company details

Recreus Industries S.L.,
C/El Envelope, F13-F14. Pol. Ind. Finca Lacy
03600, Elda, (Alicante) - Spain
(0034) 865 777 966
info@recreus.com
www.recreus.com

1.4. Emergency telephone number

No additional information available.

2. Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]: Not classified.

Adverse physicochemical, human health and environmental effects: No additional information available.

2.2. Label elements

According to EC directives or the corresponding national regulations there is no labelling obligation for this product.

2.3. Other hazards

No additional information available.

3. Composition/information on ingredients

3.1. Substances

Not applicable.

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
talc	(CAS-No.) 14807-96-6	1 - 5	Not classified
substance with national workplace exposure limit(s)	(EC-No.) 238-877-9		
(GB)			

4. First-aid measures

4.1. Description of first aid measures

First-aid measures general: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation: Assure fresh air breathing. Allow the victim to rest.

First-aid measures after skin contact: Remove affected clothing and wash all exposed skin areas with mild soap and water, followed by warm water rinse.

First-aid measures after eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.

First-aid measures after ingestion: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

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

Symptoms/effects: Not expected to present a significant hazard under anticipated conditions of normal use.

Symptoms/effects after eye contact: Mechanical irritation.

Symptoms/effects after ingestion: No effects known.

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

In all cases of doubt, or when symptoms persist, seek medical attention.

5. Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Unsuitable extinguishing media: No unsuitable extinguishing media known.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire: Carbon monoxide. Acetaldehyde.

5.3. Advice for firefighters

Firefighting instructions: Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.

Protection during firefighting: Do not enter a fire area without proper protective equipment, including respiratory protection. Use self-contained breathing apparatus and chemically protective clothing.

Other information: After the fire, proceed rapidly with cleaning of surfaces exposed to the fumes in order to limit equipment damage.

6. Measures in case of accidental release

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Emergency procedures: Evacuate unnecessary personnel.

For emergency responders

Protective equipment: Equip cleanup crew with proper protection.

Emergency procedures: Sweep up, shovel or vacuum. Can be slippery on hard, smooth walking areas.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up: Sweep or shovel spills.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

7. Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling: Take precautionary measures against static discharge. Use personal protective equipment as required. Do not get in eyes, on skin, or on clothing.

Hygiene measures: 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, well ventilated place away from sources of heat, ignition and direct sunlight.

Incompatible products: None known.

Incompatible materials: None known.

7.3. Specific end use(s)

No additional information available.

8. Exposure controls/personal protection

8.1. Control parameters

talc (14807-96-6)

United Kingdom	Local name	Talc
United Kingdom	WEL TWA (mg/m ³)	1 mg/m ³ Talc, respirable dust; United Kingdom; Timeweighted average exposure limit 8 h; Workplace exposure limit (EH40/2005)

8.2. Exposure controls

Appropriate engineering controls: Provide adequate ventilation. Apply technical measures to comply with the occupational exposure limits.

Hand protection: Wear protective gloves. PVC or other plastic material or natural rubber gloves.

Eye protection: Where excessive dust may result, wear goggles.

Skin and body protection: Wear suitable protective clothing.

Respiratory protection: Dust production: dust mask with filter type P2. In the event of thermal decomposition: gas mask with filter type B.

Other information: Do not eat, drink or smoke during use.

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: Solid

Appearance: Granulate

Colour: No data available on colour

Odour: Odorless

Odour Threshold: No data available

PH: Not applicable

Relative evaporation rate (butylacetate=1): No data available

Melting point: No data available

Freezing point: No data available

Boiling point: Not applicable

Flash point: No data available

Auto-ignition temperature: No data available

Decomposition temperature: No data available

Flammability (solid, gas): Dust may form flammable and explosive mixture with air

Vapour pressure: Not applicable

Relative vapour density at 20 °C: Not applicable

Relative density: No data available

Solubility: Water: Insoluble

Log Pow: No data available

Viscosity, kinematic: No data available

Viscosity, dynamic: No data available

Explosive properties: Dust may form flammable and explosive mixture with air.

Oxidising properties: No data available

Explosive limits: No data available

9.2. Other information

No additional information available

10. Stability and reactivity

10.1. Reactivity

No additional information available.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Moisture. Avoid temperature above 60°C.

10.5. Incompatible materials

None known.

10.6. Hazardous decomposition products

Carbon monoxide. Acetaldehyde.

11. Toxicological information

11.1. Information on toxicological effects

- Acute toxicity (oral): Not classified.
- Acute toxicity (dermal): Not classified.
- Acute toxicity (inhalation): Not classified.
- Skin corrosion/irritation: Not classified.
- pH: Not applicable.
- Additional information: Based on available data, the classification criteria are not met.
- Serious eye damage/irritation: Not classified.
- pH: Not applicable.
- Additional information: Based on available data, the classification criteria are not met.
- Respiratory or skin sensitisation: Not classified.
- Additional information: Based on available data, the classification criteria are not met.

- Germ cell mutagenicity: Not classified.
- Additional information: Based on available data, the classification criteria are not met.
- Carcinogenicity: Not classified.
- Additional information: Based on available data, the classification criteria are not met.
- Reproductive toxicity: Not classified.
- Additional information: Based on available data, the classification criteria are not met.
- STOT-single exposure: Not classified.
- Additional information: Based on available data, the classification criteria are not met.
- STOT-repeated exposure: Not classified.
- Additional information: Based on available data, the classification criteria are not met.
- Aspiration hazard: Not classified.
- Additional information: Based on available data, the classification criteria are not met.
- Potential adverse human health effects and symptoms: This product is a mixture. Health hazard information is based on its components. Based on available data, the classification criteria are not met.

12. Ecological information

12.1. Toxicity

Acute aquatic toxicity: Not classified.

Chronic aquatic toxicity: Not classified.

12.2. Persistence and degradability

Persistence and degradability: Not established.

12.3. Bioaccumulative potential

Bioaccumulative potential: Not established.

12.4. Mobility in soil

No additional information available.

12.5. Results of PBT and vPvB assessment

No additional information available.

12.6. Other adverse effects

Additional information: Avoid release to the environment.

13. Disposal considerations

13.1. Waste treatment methods

Product/Packaging disposal recommendations: Dispose in a safe manner in accordance with local/national regulations.

Ecology - waste materials: Avoid release to the environment.

14. Transport information

In accordance with ADR

14.1. UN number

UN-No. (ADR): Not applicable

14.2. UN proper shipping name

Proper Shipping Name (ADR): Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR): Not applicable

14.4. Packing group

Packing group (ADR): Not applicable

14.5. Environmental hazards

Dangerous for the environment: No

Other information: No supplementary information available

14.6. Special precautions for user

Overland transport

Not applicable

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU-Regulations

Contains no REACH substances with Annex XVII restrictions.

Contains no substance on the REACH candidate list.

Contains no REACH Annex XIV substances.

Directive 2012/18/EU (SEVESO III).

National regulations

No additional information available.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

16. Other information

Data sources: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information: None.

Disclaimer

Is under responsibility of the 3d printer parts manufacturer or end user the compliance of the plastic object, for the specific use, with the overall migration limit, the specific migration limit and other restrictions. Do not hesitate to contact our technical service for explanations, advising and for any other need.