

Anti Hydrolysis PLA

Material Safety Data Sheet

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EUMAKERS encourages and expects you to read and understand the entire (M)SDS, as there is important information throughout the document.

We expect you to follow the precautions identified in this document unless your use conditions would necessitate other appropriate methods or actions.

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

1.1 PRODUCT IDENTIFIERS

Product Name

EUMAKERS Anti Hydrolysis PLA Filament

1.2 RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST

Identified uses

3D printing filament. Material for 3D printing FFF applications.

1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

Company identification

Rigenera di Sfrecola Cosimo Damiano
127, Via Foggia
76121 - Barletta [BT]
ITALY
Mail Address: info@eumakers.com

SECTION 2. HAZARDS IDENTIFICATION

2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

Classification according to Regulation (EC) No. 1272/2008 [CLP]

This product is not classified as dangerous according to EC criteria

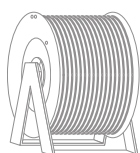
2.2 LABEL ELEMENTS

Labelling according to EC Directives

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

2.3 OTHER HAZARDS

No information available.



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SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

DESCRIPTION: Talc - Substance with national workplace exposure limit(s) (GB) - 5-10 %

DANGEROUS COMPONENTS: Void

ADDITIONAL INFORMATION: No additional information available

SECTION 4. FIRST-AID MEASURES

4.1 DESCRIPTION OF FIRST AID MEASURES

General advice:

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

Inhalation:

Assure fresh air breathing. Allow the victim to rest.

Skin Contact:

Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.

Eye Contact:

Rinse opened eye for several minutes under running water. Then consult doctor.

Ingestion:

Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

No further relevant information available.

4.3 INDICATION OF MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

No further relevant information available.

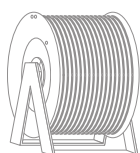
SECTION 5. FIRE FIGHTING MEASURES

5.1 EXTINGUISHING MEDIA

Water fog or fine spray. Dry chemical fire extinguishers. Carbon dioxide fire extinguishers. Foam.

5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

Can be released in case of fire: Carbon monoxide. Acetaldehyde.



5.3 ADVICE FOR FIREFIGHTERS

Protective equipment: Use self-contained breathing apparatus and protective fire fighting clothes.

Additional information: Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment. After the fire, proceed rapidly with cleaning of surfaces exposed to the fumes in order to limit equipment damage.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Spilled material may cause a slipping hazard. Use appropriate safety equipment.

6.2 ENVIRONMENTAL PRECAUTIONS

Prevent from entering into soil, ditches, sewers, waterways and/or groundwater.

6.3 METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

Sweep up. Collect in suitable and properly labeled containers.

SECTION 7. HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING

General handling:

No smoking, open flames or sources of ignition in handling and storage area.

Good housekeeping and controlling of dusts are necessary for safe handling of product.

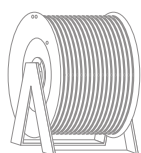
Avoid breathing process fumes.

Workers should be protected from the possibility of contact with molten resin.

Do not get molten materia in eyes, on skin or clothing. Protect against electrostatic charges

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES STORAGE

Store in accordance with good manufacturing practices, in cool place and far from direct sunlight. Protect from humidity and keep away from water.



SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 CONTROL PARAMETERS

TALC (14807-96-6) | UNITED KINGDOM - OCCUPATIONAL EXPOSURE LIMITS

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

8.2 EXPOSURE CONTROLS

Personal Protection

Eye/Face Protection:

Use safety glasses (with side shields).

Safety glasses (with side shields) should be consistent with EN 166 or equivalent.

If there is a potential for exposure to particles which could cause eye discomfort, wear chemical goggles.

Chemical goggles should be consistent with EN 166 or equivalent.

If exposure causes eye discomfort, use a full-face respirator.

Skin Protection:

No precautions other than clean body-covering clothing should be needed.

Hand Protection:

Chemical protective gloves should not be needed when handling this material.

Consistent with general hygienic practice for any material, skin contact should be minimized.

Use gloves with insulation for thermal protection (EN 407), when needed.

Use gloves to protect from mechanical injury. Selection of gloves will depend on the task.

Respiratory Protection:

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

Ingestion:

Use good personal hygiene. Do not consume or store food in the work area.

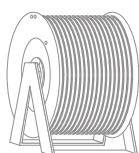
Wash hands before smoking or eating.

Engineering Controls

Ventilation:

Use local exhaust ventilation, or other engineering controls to maintain airborne levels below exposure limit requirements or guidelines.

If there are no applicable exposure limit requirements or guidelines, general ventilation should be sufficient for most operations.

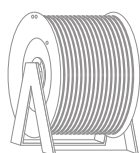


SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE

Physical State	Solid
Appearance	Granulate
Odor	Nearly Odorless
Odor Threshold	N/A
pH	Not Applicable
Melting Point	N/A
Freezing Point	N/A
Boiling Point	Not Applicable
Flash Point	N/A
Flammability	Dust may form flammable and explosive mixture with air
Relative Density	N/A
Solubility in Water	Insoluble
Autoignition Temp	N/A
Decomposition Temp	N/A
Oxidizing Properties	N/A
Explosive Properties	Product is Not Explosive
Viscosity	N/A



SECTION 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.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 INFORMATION ON TOXICOLOGICAL EFFECTS

Ingestion:

Not classified

Aspiration hazard:

Not classified

Dermal:

No adverse effects anticipated by skin absorption.

Inhalation:

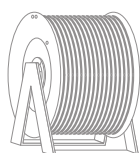
Not classified

Eye damage/eye irritation:

Not classified pH: Not applicable

Skin corrosion/irritation:

Not classified pH: Not applicable



SECTION 12. ECOLOGICAL INFORMATION

12.1 TOXICITY

Not classified

12.2 PERSISTENCE AND DEGRADABILITY

Not established

12.3 BIOACCUMULATIVE POTENTIAL

Not established

12.4 MOBILITY IN SOIL

No additional information available.

SECTION 13. DISPOSAL CONSIDERATIONS

13.1 WASTE TREATMENT METHODS

Dispose in a safe manner in accordance with local/national regulations. Avoid release to the environment.

SECTION 14. TRANSPORT INFORMATION

Not Classified - not considered hazardous based on available data

SECTION 15. REGULATORY INFORMATION

15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS SPECIFIC FOR THE SUBSTANCE OR MIXTURE

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

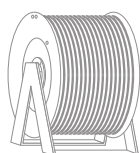
Contains no REACH Annex XIV substances

Contains no substance subject to REGULATION (EU) No 649/2012 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 4 July 2012 concerning the export and import of hazardous chemicals.

Substance(s) are not subject to Regulation (EC) No 850/2004 of the European Parliament and of the Council of 29 April 2004 on persistent organic pollutants and amending Directive 79/117/EEC.

15.1.2. National Regulations

No additional information available

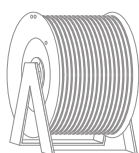


SECTION 16. OTHER INFORMATION

16.1 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.

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



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