

Safety Data Sheet of Fiberlogy **R PLA** according to Regulation (EC) No. 1907/2006 (REACH) in the current version.

Date: October 17, 2019

1. PRODUCT & COMPANY IDENTIFICATION

PRODUCT NAME:	R PLA
TRADE NAME AND SYNONYMS:	Fiberlogy R PLA
CHEMICAL FAMILY:	Polyolefins
COMPANY NAME:	Fiberlab S.A.
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2. HAZARDS IDENTIFICATION

2.1. CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

The product is not a dangerous preparation, when used as directed. Observe the usual safety and hygiene working with chemicals. In the light of the applicable regulations product is not not classified as hazardous.

2.2. LABEL ELEMENTS

Labeling in accordance with REGULATION (EC) No 1272/2008).

2.3. OTHER HAZARDS

The product does not create a threat to human health and life. It is chemically inactive and inert at ambient temperature. Melted product in contact with the skin, sticks to it and causes burns. Fumes emitted during thermal processing may irritate the eyes and respiratory system. There is also the danger of slipping on spilled material. During processing do not cause any dangerous situation, expect thermal burning.

The product does not create a threat to the aquatic environment, but avoid release to the environment. The product is not subject to classification or labeling. According to the assessment of the manufacturer (original card preparation) and data at its disposal, the product poses no threat to humans and the environment.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. SUBSTANCES

Not applicable

3.2. MIXTURES

CAS 9010-79-1 1-propene, polymer with ethene, talc, chalk, barite, glass fiber, rubber, additives, stabilizers, pigments, flame retardant agents, biostatistics.

4. FIRST-AID MEASURES

4.1. DESCRIPTION OF FIRST AID MEASURES

If inhaled: Move treated person to fresh air. Call a physician immediately.

Contact with the skin: Rinse immediately with plenty of water for at least 15 minute. If skin irritation persist: Call a physician. Cool skin rapidly with cold water after contact with hot melted polymer.

Contact with the eyes: In case of contact material dust with the eyes. rinse immediately for at least 15 minutes with plenty of water under eyelid. If irritation develops: Seek medical attention.

On ingestion: Rinse mouth and then drink plenty of water. If difficulties occur: Seek medical attention

Information for medical: Treat symptoms.

4.2. IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

Symptoms: No significant reaction of the human body to the product known.

Hazards: Risk of skin burns caused by hot melt at improper processing Apart from that no hazard is expected under intended use and appropriate handling.

4.3. INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

Continuation of first aid measures. Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. FIRE-FIGHTING MEASURES

5.1. EXTINGUISHING MEDIA

Suitable extinguishing media: water spray, foam, dry powder, carbon dioxide.

Unsuitable extinguishing media: water jet.

5.2 HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

In case of combustion: formation of carbon monoxide IV, carbon monoxide II, monomer and other degradation products. The release of hydrocarbons and aldehydes from the thermal depolymerisation process is possible at the initial stage of the fire (at temperatures above 300-700°C). The material ignites under the action of flame, burns after removal of the source of ignition, drips, produces a penetrating, characteristic odor.

5.3. ADVICE FOR FIRE-FIGHTERS

Provide/wear a protective breathing apparatus.

Further information:

The degree of risk is governed by the burning substance and the fire conditions. In case of combustion evolution of toxic gases/vapours possible. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

6. ACCIDENTAL RELEASE MEASURES

6.1. PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURE

Sources of ignition should be kept well clear. Avoid contact with the skin and eyes. Avoid inhalation of dust. If necessary, wear dust masks and safety glasses.

6.2. ENVIRONMENTAL PRECAUTIONS

Should not be released into the environment

6.3. METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

Sweep/shovel up. Avoid raising dust. Ensure adequate ventilation. Dispose of absorbed material in accordance with regulations.

6.4. REFERENCE TO OTHER SECTIONS

Information regarding exposure controls/personal protection and disposal considerations can be found in section 8 and 13.

7. HANDLING AND STORAGE

7.1. PRECAUTIONS FOR SAFE HANDLING

Processing machines must be placed in room' with good ventilation. Avoid the formation and deposition of dust. Handle in accordance with good industrial hygiene and safety practice.

7.2. CONDITIONS FOR SAFE STORAGE. INCLUDING ANY INCOMPATIBILITIES

Information about fire and explosion protection: Make use of general rules of fire prevention. In case of formation of dust: Take measures to prevent electrostatic charging. Avoid all sources of ignition: heat, sparks, open flame.

Storage: Well closed/packed, cool and dry. Protect against moisture and heat. Contamination with other substances must be avoided. Storage together with hazardous substances must be avoided.

7.3. SPECIFIC END USES

For the relevant identified uses listed in section 1 the advice mentioned in this section is to be observed.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. CONTROL PARAMETERS

The product does not contain any relevant quantities of materials with occupational exposure limits.

8.2. EXPOSURE CONTROLS

Personal protective equipment:

Respiratory protection: breathing protection if dusts are formed. Particle filter (Type P1).

Hand protection: use additional heat protection gloves when handling hot molten masses (EN 407).

Eye protection: safety glasses with side-shields (frame goggles) (p. g. EN 166).

Body protection: body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit.

General safety and hygiene measures: avoid contact of molten material with skin. Avoid inhalation of dusts/mist/vapours. Eye wash fountains and safety showers must be easily accessible. Handle in accordance with good industrial hygiene and safety practice. Hands and/or face should be washed before breaks and at the end of the shift. Do not eat, drink or smoke at work. Consult the company Industrial Hygienist for recommendations on exposure testing and personal protective equipment.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

State of aggregation:	solid
Shape:	round filament

Odour:	none
Apparent density:	1.04 g/cm ³
Solubility in water:	insoluble
Melting point:	~ 120°C
Ignition temperature:	~ 412°C
Flash point:	~ 375°C
Flammability:	yes

9.2. OTHER INFORMATION

None.

10. STABILITY AND REACTIVITY

10.1. REACTIVITY

No known risk of reactivity

10.2. CHEMICAL STABILITY

The product is stable under normal conditions of use (do not exceed 280 °C.).

10.3. POSSIBILITY OF HAZARDOUS REACTIONS

None

10.4. CONDITIONS TO AVOID

Strong oxidizing agents like chlorine or fluorine, oxidizing acids.

10.5. INCOMPATIBLE MATERIALS

May be softened by some hydrocarbons.

10.6. HAZARDOUS DECOMPOSITION PRODUCTS

None, if the product is used as directed. In case of fire – carbon monoxide II oxide, IV atoms. The formation of hydrocarbons and aldehydes of the thermal depolymerization is possible in the initial stage of a fire (at temperatures of 300–700°C).

11. TOXICOLOGICAL INFORMATION

11.1. INFORMATION ON TOXICOLOGICAL EFFECTS

There are known neither short- nor long-term toxicological effects.

12. ECOLOGICAL INFORMATION**12.1. TOXICITY**

Do not allow the product to reach the product into the sewage system, surface water or soil. The product is not toxic, small particles can have physical effects on water and soil organisms.

12.2. PERSISTENCE AND DEGRADABILITY

Stable.

12.3. BIOACCUMULATIVE POTENTIAL

There is no bioaccumulation.

12.4. MOBILITY IN SOIL

No information.

12.5. RESULTS OF PBT AND vPvB ASSESSMENT

The product is not a PBT substance.

12.6. OTHER ADVERSE EFFECTS

No information.

13. DISPOSAL CONSIDERATIONS**13.1. WASTE TREATMENT METHODS**

Disposal by recycling or incineration is suggested. whereby all national and local regulations must be followed.

14. TRANSPORT INFORMATION

Not classified as a dangerous good under transport regulations (ADR, RID, ADN, IMDG, ICAO/IATA).

14.1. UN NUMBER

Not applicable.

14.2. UN PROPER SHIPPING NAME

Not applicable.

14.3. TRANSPORT HAZARD CLASSES

Not applicable.

14.4. PACKING GROUP

Not applicable.

14.5. ENVIRONMENTAL HAZARDS

Not applicable.

14.6. SPECIAL PRECAUTIONS FOR USER

None known.

14.7. TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL73/78 AND THE IBC CODE

Regulation:	not evaluated.
Shipment approved:	not evaluated.
Pollution name:	not evaluated.
Pollution category:	not evaluated.
Ship type:	not evaluated.

15. REGULATORY INFORMATION

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

All substances used in production, if required, comply with REACH requirements.

15.2. CHEMICAL SAFETY ASSESSMENT

The substance is not classified as dangerous for health or the environment and is not a PBT or vPvB substance: therefore no exposure assessment or risk characterization is required. For tasks where employee intervention is required, the substance must be handled in accordance with good health and safety practices.

16. OTHER INFORMATION

The information is provided as a way of a guide to the use of our product and is correct to the best of our knowledge. However, neither Fiberlab S.A. nor its subsidiaries can offer any guarantee as to its accuracy or exhaustiveness. All chemicals may present unforeseen risks and should be used with caution. We can not guarantee that the risks referred to above are the only risks present. The final choice of the application of a product is thus the sole responsibility of the user.