



SAFETY DATA SHEET

FILAMENT | Nylon HT ULTRA

V 1.0 | 10-10-2020



According to regulation (EC) 1907/2006

SECTION 1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE COMPANY

IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY

Product name: PAHT ULTRA

Product type: Thermoplastic

RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES DISAGREE

Recommended uses : Filament for 3D printing FDM supports any printer type.

Uses advised against : No information available.

1.3 IDENTIFICATION OF THE COMPANY

VOLUMIC 3D
12b Rue Louis GA RNERAY
06300 NICE
France

TVA: FR55452187792
EORI: FR45218779200026

Téléphone: +33 9 500 27 400
Email: info@volumic3d.com
Internet: www.volumic3d.com

1.4 EMERGENCY PHONE NUMBER

Emergency phone : 112

SECTION 2. HAZARDS IDENTIFICATION

2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

Regulation (CE) N. ° 1272/2008

It is non-hazardous substance or mixture.

2.2 LABEL ELEMENTS

Symbols/Pictograms: -
Warning words: -
Hazard identifications: -
Prudential advice: -

2.3 OTHER HAZARDS

This substance / mixture does not contain components that are considered to be either persistent bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 SUSTANCE

Non applicable.

3.2 MIXTURE

Hazardous components : Non applicable

SAFETY DATA SHEET

FILAMENT | Nylon HT ULTRA

V 1.0 | 10-10-2020

SECTION 4. FIRST AIDS

4.1 DESCRIPTION OF FIRST AIDS

General recommendations

Remove the person from the dangerous area.

Nothing should ever be given by mouth to an unconscious person.

In case of unconsciousness, place in recovery position and seek medical advice.

Eye contact

Wash thoroughly with plenty of water for at least 15 minutes and consult a doctor. Keep your eye wide open while washing.

Skin contact

With the material at room temperature no adverse effects are expected, in case of contact with the molten filament, quickly cool the affected area with water. Do not separate the solidified product from the skin.

Notify the doctor immediately. Do not use solvents or thinners.

Inhalation

After inhaling the vapors emitted by the molten filament, breathe fresh air, rest, if the symptoms persist contact your doctor.

Ingestion

Drink water as a precautionary measure. Never give anything by mouth to an unconscious person.

Do not induce vomiting without medical assistance. If symptoms persist check with your doctor.

4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

No information available.

4.3 INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED IMMEDIATELY

Symptomatic treatment.

Decontamination, vital function.

SECTION 5. FIREFIGHTING MEASURES

5.1 EXTINGUISHING MEDIA

Suitable extinguishing media: Use extinguishing measures that are appropriate to local and surrounding circumstances.

Unsuitable extinguishing media for safety reasons : Water jet.

5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

Specific hazards in fire fighting

Avoid generating dust, fine dust dispersed in the air in sufficient concentrations, and in the presence of an ignition source is a potential risk for dust explosion.

Do not use a solid stream of water as it can scatter and spread fire.

Hazardous decomposition products formed under fire conditions.

Hazardous combustion products :

Carbon monoxide, carbon dioxide, and unburned hydrocarbons (smoke).

Nitrogen oxides (NOx)

Hydrogen cyanide (hydrogen cyanide)

Ammonia

5.3 ADVICE FOR FIREFIGHTERS

Special protective equipment for firefighters : As in any fire, wear MSHA / NIOSH pressure-demand self-contained breathing apparatus (approved or equivalent) and all necessary protective equipment.

SAFETY DATA SHEET

FILAMENT | Nylon HT ULTRA

V 1.0 | 10-10-2020

Other data : Use extinguishing measures that are appropriate to local and surrounding circumstances.
Water spray can be used to cool closed containers.
In case of fire or explosion, do not breathe fumes

SECTION 6. MEASURES IN CASE OF ACCIDENTAL RELEASE

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Personal precautions
Ensure proper ventilation.
Wear personal protective equipment.
Avoid dust formation.
Avoid contact with skin, eyes and clothing.
Avoid breathing dust.
Avoid inhalation of vapor or mist.
Contaminated surfaces will be very slippery.
Treat recovered material as described in the «Disposal Considerations» section.

6.2 ENVIRONMENTAL CAUTIONS

Do not discharge into drains / surface water / ground water.

6.3 METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

Allow to solidify, pick up mechanically.
Dispose of the material collected according to regulations.

SECTION 7. HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING

Recommendations for safe handling : Use personal protective equipment. Avoid contact with skin and eyes when handling molten filament.

General hygiene considerations : Handle the filament respecting good industrial hygiene and safety practices.

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Requirements for the warehouse and containers : Store in a dry place, protect from sunlight, store between 10°C and 40°C.

Rules for joint storage : Not necessary
Additional information on storage conditions : Store in tightly closed containers in a cool, dry place.

SECTION 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1 CONTROL PARAMETERS

It contains no substances with occupational exposure limit values.

8.2 EXPOSURE CONTROLS

Eye protection : Protection glasses.

Skin and body protection : For handling, hot / molten heat resistant protective clothing product. Use resistant gloves.

Inhalation : Surely concentrations below the value of the CMA does not require special measures.
Hygiene measures : Keep away from foodstuffs, beverages, and food. Do not eat, drink, smoke, or sniff

SAFETY DATA SHEET

FILAMENT | Nylon HT ULTRA

V 1.0 | 10-10-2020

snuff during work.

Engineering controls : Provide local exhaust ventilation systems. The ventilation must be enough to effectively eliminate and prevent the accumulation of dust or fumes that may be generated during and during the handling or thermal processing of the filament.

SECTION 9. FISICAL AND CHEMICAL PROPERTIES

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Physical state : Solid
Appearance : Filament
Color: Natural (cream)
Odor: Non applicable
Density : Non applicable
Decomposition temperature : Non aplicable

Melting Interval : 225°C
Autoignition temperatura : Non applicable
Solubility : No

9.1 OTHER INFORMATION

No available.

SECCION 10. STABILITY AND REACTIVITY

10.1 REACTIVITY

Non-applicable

10.2 CHEMICAL STABILITY

Stable under recommended storage conditions.

10.3 POSSIBILITY OF DANGEROUS REACTIONS

Non applicable

10.4 CONDITIONS TO BE AVOIDED

Avoid humidity.
Protect from extreme heat. Avoid keeping the resin molten for excessive periods of time at high temperatures. Prolonged exposure will cause degradation of the polymer.

10.5 STRONG DECOMPOSITION PRODUCTS

- Carbon monoxide, carbon dioxide, and unburned hydrocarbons (smoke).
- Nitrogen oxides (NOx)
- Hydrogen cyanide (hydrogen cyanide)
- Ammonia.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 INFORMATION ON TOXICOLOGICAL EFFECTS

Main routes of exposure : Contact with eyes, feet, inhalation and ingestion.
Acute toxicity : Non applicable.
Local effects : Non applicable.
Specific effects : Non applicable.
Long term toxicity : Non applicable.
Mutagenic effects : Based on available data, the classification criteria are not met. The chemical structure

SAFETY DATA SHEET

FILAMENT | Nylon HT ULTRA

V 1.0 | 10-10-2020

of the polymer does not suggest any such effect.
Reproductive toxicity : Non applicable.

Carcinogenic effects : Based on available data, the classification criteria are not met. There are no indications of carcinogenicity in humans.
Effects on target organs : Non applicable.

SECTION 12. ECOLOGICAL INFORMATION

12.1 ECOTOXICITY

No information available.

12.2 PERSISTENCE AND DEGRADABILITY

No information available.

12.3 ADDITIONAL ECOLOGICAL INFORMATION

It must not be released in the environment.

12.4 MOBILITY

No data available.

12.5 RESULTS OF PBT Y mPmB

Non-applicable.

12.6 OTHER ADVERSE EFFECTS

No information available

SECTION 13. DISPOSAL CONSIDERATIONS

13.1 METHODS FOR TREATINGS WASTE

Dispose of in accordance with local / regional / national / international regulations. Avoid Release to the environment. Incineration must be carried out in accordance with municipal and state laws, and the laws and regulations of local environmental agencies.

SECTION 14. TRANSPORT INFORMATION

Not regulated.

SECTION 15. REGULATORY INFORMATION

15.1 NORMS / SECURITY, HEALTH AND ENVIRONMENTAL LAW SPECIFIC TO THE MIXTURE SUBSTANCE

No information available.

15.2 CHEMICAL SAFETY EVALUATION

Non-applicable

SECTION 16. OTHER INFORMATION

The data is based on the current state of knowledge, but it is not a guarantee of the product features

SAFETY DATA SHEET

FILAMENT | Nylon HT ULTRA

V 1.0 | 10-10-2020

and it is not legally valid in a contractual relationship.

The statements made here should describe the product with regard to the necessary safety precautions – they are not meant to guarantee definite characteristics – but they are based on our present up-to-date knowledge.

VOLUMIC 3D
12bis Rue Louis GARNERAY
06300 NICE
France

TVA: FR55452187792
EORI: FR45218779200026

Phone: +33 9 500 27 400
Email: info@volumic3d.com
Internet: www.volumic3d.com