Revision Date: October 2016

MATERIAL SAFETY DATA SHEET

(DIRECTIVE 1907/2006/CE)

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

1.1. Identification of the substance/preparation

Chemical denomination: ASA Polymer
Commercial name: UV 729

1.2. Use of substance/preparation

Additive printing filaments production

1.3. Identification of the company/undertaking

Sa2p sas/Treed Filaments
Via Messina 101, 20831 Seregno (MB) Italy
Ph. +39 0362 320500
Email: info@treedfilaments.com

1.4. Emergency telephone number

Ph: +39 0362 320500

2. COMPOSITION/INFORMATION ON INGREDIENTS

2.1 The preparation is composed by:

Polymer, additives (8%), colorants and/or pigments if necessary.
CAS N/A CAS N/A

3. HAZARDS IDENTIFICATION

3.1. Classification:

The preparation is not classified as dangerous according to CEE 1999/45 and 67/548 directives and updates.

3.2. Potential Health Effects:

The preparation is considered harmless for human health as it is and when exposed to normal and predictable production process and storage. Dust may cause mechanical irritation. Heated material may cause thermal burns.
According with EU directives it is not dangerous. See section 4 and 11 for further information.

3.3. Potential Environmental Effects

The preparation in normal storage and processing conditions is inert and does not show environmental hazards

4. FIRST AID MEASURES

4.1. General information:

The measures indicated are referred to critical situations (fire, wrong process conditions). At ambient temperature the product is not irritating and does not release harmful smokes

4.2. Eye Contact:

Immediately flush eyes cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Consult an eye specialist in the event of irritation.Get medical attention if symptoms occur.

4.3. Skin Contact:

In case of melted product contact, flush area with large amounts of cold water. The melted product can cause severe burns. Do not remove consolidated product. Do not pull clothing loose from skin. Seek medical attention. In case consult a physician.

4.4. Inhalation:

In case of excessive smoke inhalation remove to fresh air. Get medical attention if necessary.

4.5. Ingestion:

If swallowed, rinse mouth with water (only if the person is conscious). If necessary, get medical attention.

4.6. Specific instruments needed on workplace:

Eyewashes.

5. FIRE FIGHTING MEASURES

5.1. Extinguishing media:

Water fog, foam, extinguishing powder, carbon dioxide.

5.2. Hazardous Combustion Products:

May emit toxic fumes under fire and overheat conditions such as carbon monoxide, carbon dioxide, (dense) black smoke, aldehydes, organic acids.

5.3. Fire fighting procedures:

Wear a self-contained breathing apparatus and chemical protective clothing. Use caution in approaching fire. Do not allow fire water to penetrate into surface or ground water. Fire residuals and contaminated extinguishing water must be disposed of in accordance with the regulations of the local authorities.

6. ACCIDENTAL RELEASE MEASURES

6.1. Health and Safety Precautions:

Avoid walking on filaments to minimize slipping risk. In case of spillage, no action shall be taken without suitable training. Do not touch or walk through spilt material. See section 8 for suitable clothing and materials. Provide adequate ventilation. Wear personal protection equipment. Do not breathe dust.

6.2. Measures for Environmental Protection:

Place waste in an appropriate labeled container for disposal. Do not discharge in sewerage.

6.3. Measures for Cleaning / Collecting:

Avoid generation of dust. Remove all sources of ignition. Take up mechanically. Collect in closed containers for disposal.

7. HANDLING AND STORAGE

7.1. General Handling:

Provide adequate ventilation, and local exhaust as needed. Do not breathe dust. In the case of the formation of dust: Withdraw by suction. Molten material: Avoid contact with the substance. Take precautionary measures against static discharge. Keep away from sources of ignition. Use grounding equipment. Use explosion-proof equipment and non-sparking tools/utensils. Avoid open flames. Dust may form explosive mixtures with air.

7.2. Storage Conditions:

Store in a well-ventilated place. Keep container tightly closed. Protect against heat / sun rays. Protect from moisture contamination. Storage class: 11 = Combustible solids.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. OEL/PEL:

Breathable powders > US (ACGIH-2002) TLV-8h TWA : 4 mg/m^3

Total powders: US (ACGIH-2002) TLV- TWA : 10 mg/m^3

8.2. Personal Protective Equipment:

Hands:	Protective gloves according to EN 374. Glove material: Nitrile rubber - Layer thickness: 0,11 mm. Breakthrough time: >480 min. Observe glove manufacturer's instructions concerning penetrability and breakthrough time. In case of melting: Protective gloves against heat according to EN 407. Observe glove manufacturer's instructions concerning penetrability and breakthrough time.
Eye	Tightly sealed goggles according to EN 166.
Skin	Wear suitable protective clothing. boots or Wear protective shoes.
Respiratory protection	Respiratory protection must be worn whenever the WEL levels have been exceeded. Use filter type A-P2 according to EN 14387

9. PHYSICAL AND CHEMICAL PROPERTIES

Aspect:	Filament
Physical State:	Solid
Color:	All the UV729 ASA series.
Smell:	Weak, Characteristic
Molecular Formula:	N/A
Molecular Weight:	N/A

10. PHYSICAL AND STABILITY AND REACTIVIT

10.1. Stability

Stable under recommended storage and handling conditions.

10.2. Conditions to Avoid:

Protect from excessive heat. Keep away from sources of ignition

10.3. Incompatible Materials:

Strong oxidizing agents.

10.4. Hazardous Decomposition Products:

In case of fire may be liberated: hydrogen cyanide, carbon monoxide and carbon dioxide (CO2). Thermal decomposition: approx. 300 °C. To avoid thermal decomposition, do not overheat.

11. TOXICOLOGICAL INFORMATION

Styrene:	Harmful if inhaled. Causes damage to organs through prolonged or repeated exposure. lung damages. May be fatal if swallowed and enters airways. Causes serious eye irritation. Caus-es skin irritation.
Acrylonitrile:	Toxic by inhalation, in contact with skin and if swallowed. May cause cancer. Suspected of damaging the unborn child. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage.
Butadiene:	May cause cancer. May cause genetic defects.

12. ECOLOGICAL INFORMATION

12.1. Environmental Overview:

No evidence of aquatic toxicity

12.2. Bioaccumulation and Toxicity:

Avoid product dispersion, the preparation is not biodegradable. In sewage treatment plants it may be separated mechanically. To avoid bioaccumulation plastics should not be dis-posed in the sea or in other water environments.

13. DISPOSAL CONSIDERATIONS

13.1. Disposal procedures:

Observe all local and national regulations when disposing of this material.

13.2. Recycle:

The material can be reused after appropriate treatments and according to application.

13.3. National and European regulations:

Directive 91/156/CEE, Directive 91/689/CEE.

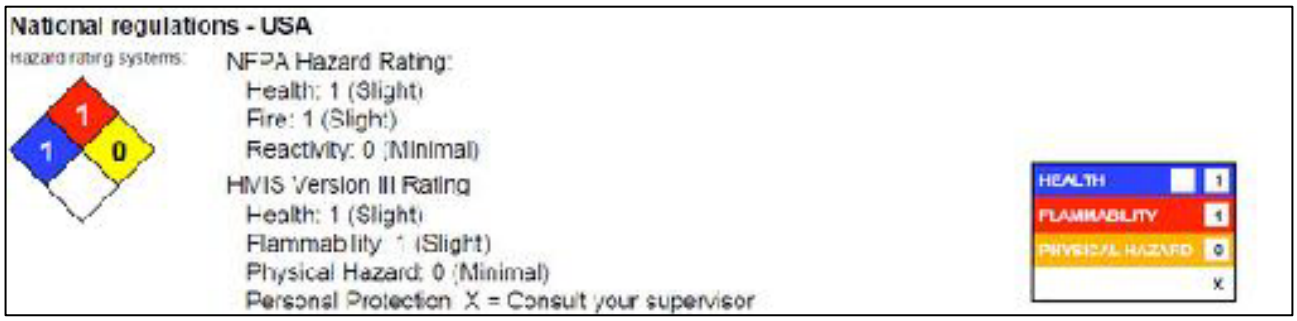
14. TRANSPORT INFORMATION

No limitations existing.

15. REGULATION INFORMATION

15.1. Labeling:

The preparation is not classified as dangerous with actual regulation (1999/45/CE), (67/548/CEE) and updates. Labeling not require



16. OTHER INFORMATION

This safety data sheet is provided according to directive 1907/2006/CE and 91/155/CE.

DISCLAIMER

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