

Section 1. Identification of the substance/mixture and of the company/undertaking

1.1 Identification of the substance/preparation

Chemical denomination : Polymer
Commercial name : Roboze Strong

1.2 Use of substance/preparation

Additive printing filaments production.

1.3 Identification of the company/undertaking

Company : Sa2p sas
Via Messina 101, 20831 Seregno (MB) Italy
Telephone : +39 0362 320500

1.4 Emergency telephone number

Telephone : +39 0362 320500

Section 2. Composition/information on ingredients

2.1 The preparation is composed by

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

Section 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.
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.

Section 4. First aid measures

4.1 General information

At ambient temperature the product is not irritating and does not release harmful smokes. The measures indicated are referred to critical situations (fire, wrong process conditions). Immediately remove any contaminated clothing, shoes or stockings.

4.2 Eye Contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Consult an eye specialist in the event of irritation.

4.3 Skin Contact

The melted product can cause severe burns. Do not attempt to remove molten product, or molten product that has cooled, from skin without medical assistance. After contact with molten product, cool skin area rapidly with cold water. Consult physician.

4.4 Inhalation

Provide fresh air. Put victim at rest and keep warm. Seek medical attention.

4.5 Ingestion:

Rinse mouth with water. Drink one or two glasses of water. Never give an unconscious person any- thing through the mouth. Seek medical attention.

4.6 Specific instruments needed on workplace

Eyewashes.

Section 5. Firefighting measures

5.1 Extinguishing media

Water fog, foam, extinguishing powder and carbon dioxide.

5.1.1. Extinguishing media which must not be used for safety reasons:

High power water jet.

5.2 Hazardous Combustion Products

In case of fire may be liberated: hydrogen cyanide, carbon monoxide and carbon dioxide (CO₂). In case of dust (Fine dust): danger of dust explosion.

5.3 Fire fighting procedures

Wear a self-contained breathing apparatus and chemical protective clothing. Use caution in ap- proaching 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.

Section 6. Accidental release measures

6.1. Health and Safety Precautions

Avoid walking on filaments to minimize slipping risk. 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 allow to penetrate into soil, waterbodies or drains.

6.3 Measures for Cleaning / Collecting

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

Section 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.

Section 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
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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 break-through time.

Eye	: Tightly sealed goggles according to EN 166.
Skin and Body	: 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.

Section 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Aspect	: Filament
Physical State	: Solid
Color	: All the Performance ABS series
Smell	: Weak, characteristic
Molecular Formula	: N/A
Molecular Weight	: N/A

Section 10. Stability and reactivity

- 10.1. Stability** : Stable under recommended storage conditions.
- 10.2. Conditions to Avoid** : Protect from excessive heat. Keep away from sources of ignition and heat. Avoid dust formation.
- 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.

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Section 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. Causes 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.

Section 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 disposed in the sea or in other water environments.

Section 13. Disposal considerations

- 13.1. Disposal procedures**
Observe all local and national regulations when disposing of this material.
- 13.2. Recycle**
With due observance of the regulations laid down by the local authorities, this must be brought to a suitable incineration plant/waste disposal site.
- 13.3 National and European regulations**
Directive 91/156/CEE, Directive 91/689/CEE, Directive 94/62/CEE.

Section 14. Transport information

No limitations existing.

Section 15. Regulatory information

15.1. Labeling

The preparation is not classified as dangerous with actual regulation (1272/2008/CE).
Labeling not required.

Section 16. Other information

This safety data sheet is provided according to directive 1907/2006/CE and amendment 453/2010.

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