

**ALFALOY 35**

Print date: 20/01/2025

Revision n° 4 - 19/05/2023

Replace rev. 3 - 09/01/2022

Voluntary safety information in accordance with the Safety Data Sheet format of the Regulation (CE) 1907/2006, 1272/2008

**1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING****1.1. Product identifier**

<b>Commercial name:</b>	<b>ALFALOY 35 (all colors)</b>
<b>Material description:</b>	PC/PBT blend, carbon-filled for 3D printing

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

Industrial production of moulded plastic articles

**1.3. Details of the supplier of the safety data sheet**

<b>Supplier:</b>	<b>FILOALFA® by Maip Compounding srl</b>
<b>Address:</b>	Strada Caffadio 24, 10036, Settimo Torinese, Torino
<b>Email:</b>	info@maipsrl.com

**1.4. Emergency telephone number:**

Tel. 011/8965833

Available only during working time: from 8.30 am to 12.30 am; from 1.30 pm to 5.30 pm

From Monday to Friday

**2. HAZARDS IDENTIFICATION****2.1. Classification of the substance or mixture**

No classification in accordance with the Regulation (EC) No. 1272/2008 and S.M.I.

**2.2. Label elements**

No labelling necessary in accordance with the Regulation (EC) No. 1272/2008 and S.M.I.

<b>Dangerous symbol:</b>	–
<b>Warnings:</b>	–
<b>Hazards identification:</b>	–
<b>Safety advice:</b>	–

**2.3. Other hazards**

Based on available information, the product is not dangerous.

**3. COMPOSITION / INFORMATION ON INGREDIENTS****Type of product: Mixture****3.1. Substances**

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**3.2. Mixture**

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- PBT
- Polycarbonate
- Copolyester
- Colored pigments
- Glass Fiber
- Additives

Based on available information this product does not contain any high amount of dangerous ingredients to be reported in this section in accordance with the Regulation EC 1272/2008

**4. FIRST AID MEASURES****4.1. Description of first aid measures****4.1.1. Eye contact**

- Solid product: remove the contact lenses if worn, wash with water in order to remove all the particles inside the eye; in case of irritation, contact a doctor
- Melt product: wash the eye and carry immediately the person to the hospital

**4.1.2. Skin contact**

- Solid product: no relevant risk in case of contact with product
- Melted product: Cool immediately with plenty of water. Do not remove product crusts which may have formed neither forcibly nor by applying any solvents to the skin involved. To obtain treatment for possible burns, and appropriate skin care, seek medical advice immediately.

**4.1.3. Inhalation**

- Solid product: it is practically impossible to inhale the substance
- Inhalation of decomposing products/substances: bring the person in a ventilated area (possibly outside) and contact a doctor

**4.1.4. Ingestion**

- In case of accidental ingestion: wash the mouth and drink a lot of water and if it is possible cause vomiting; contact a doctor if necessary

**4.2. Most important symptoms and effects, both acute and delayed**

None.

**4.3. Indication of any immediate medical attention and special treatment needed**

None.

**5. FIREFIGHTING MEASURES****5.1. Extinguishing media**Sprayed water jet, extinguishing powder, Carbon dioxide (CO<sub>2</sub>), Foam, Dry chemical

Not suitable extinguishing media: none

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**5.2. Special hazards arising from the substance or mixture**

In case of burning don't inhale the gasses made by the combustion.

Substances made by the combustion:

- Carbon dioxide
- Carbon monoxide
- Nitrogen oxide

**5.3. Advice for fire-fighters :**

Firemen must wear self-contained breathing apparatus.

Do not allow contaminated extinguishing water to enter the soil, ground-water or surface waters.

**6. ACCIDENTAL RELEASE MEASURE****6.1. Personal precautions, protective equipment and emergency procedures****For those who don't directly intervene:**

Leave the area avoiding the contact with the product

**For those who directly intervene:**

Avoid any inhalation or ingestion of the product

Keep the product away from ignition sources

Wear all the individual protection devices (gloves and protective clothing)

Remove the product in order to avoid any accident (slips)

**6.2. Environment precaution and reclamation methods**

Remove the product in order to avoid any ground or underground pollution

Do not flush into surface water or sanitary sewer system.

Avoid any dust formation

Utilize appropriate ventilation system

**6.3. Methods and material for containment and cleaning up**

Use mechanical handling equipment avoiding dust formation

**6.4. Reference to other sections**

For further disposal measures see section 8 and 13.

**7. HANDLING AND STORAGE****7.1. Precautions for safe handling**

Keep away from sparks and flames.

Avoid skin, eyes and cloth contact.

Utilize appropriate ventilation system.

Keep away from children.

Keep away from foodstuffs, drinks and tobacco.

Wash hands before breaks and at end of work and use skin-protecting ointment.

Change contaminated clothing.

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**7.2. Conditions for safe storage, including any incompatibilities**

Store the product in a dry area away from heat sources and direct sun exposure.

Store the product at a temperature between 10°C and 35°C.

Keep away from foodstuffs, drinks and tobacco.

Keep away from sparks and flames.

**7.3. Specific end use(s)**

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**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1. Control parameters**

Substance	CAS-No.	Basis	Type	Value	Ceiling Limit Value	Remarks
phenol	108-95-2	EU ELV	TWA	2 ppm 8 mg/m <sup>3</sup>		Indicative
phenol	108-95-2	EU ELV				Dermal absorption possible
phenol	108-95-2	EU ELV	STEL	4 ppm 16 mg/m <sup>3</sup>		Indicative
phenol	108-95-2	TRGS 900				Listed.
phenol	108-95-2	TRGS 900				Dermal absorption possible
phenol	108-95-2	TRGS 900		2 ppm 8 mg/m <sup>3</sup>	2	
phenol	108-95-2	TRGS 900	STEL CL			Category II: substances with a resorptive effect.
chlorobenzene	108-90-7	EU ELV	TWA	5 ppm 23 mg/m <sup>3</sup>		Indicative
chlorobenzene	108-90-7	EU ELV	STEL	15 ppm 70 mg/m <sup>3</sup>		Indicative
chlorobenzene	108-90-7	TRGS 900				Listed.
chlorobenzene	108-90-7	TRGS 900		10 ppm 47 mg/m <sup>3</sup>	2	Y
chlorobenzene	108-90-7	TRGS 900	STEL CL			Category II: substances with a resorptive effect.
4-tert-butylphenol	98-54-4	TRGS 900				Listed.
4-tert-butylphenol	98-54-4	TRGS 900		0,08 ppm 0,5 mg/m <sup>3</sup>	2	
4-tert-butylphenol	98-54-4	TRGS 900				Dermal absorption possible

**8.2. Exposure controls****professional exposure control:** Work in ventilated area**Respiratory protection:** In case of dust formation use respiratory equipment (for the correct choice check the Regulation 2016/425/EU)**Hand protection:** gloves (for the correct choice check the Regulation 2016/425/EU)**Eye protection:** glasses (for the correct choice check the Regulation 2016/425/EU)**Skin protection:** Wear suitable protective clothing.(for the correct choice check the Regulation 2016/425/EU)

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**9. PHYSICAL AND CHEMICAL PROPERTIES****9.1. Information on basic physical and chemical properties**

<b>Appearance:</b>	solid granular
<b>Colour:</b>	different according to colouration
<b>Odour:</b>	odourless
<b>Odour threshold:</b>	-
<b>pH:</b>	-
<b>Softening point:</b>	-
<b>Initial boiling point and boiling range:</b>	-
<b>Flash point:</b>	-
<b>Evaporation rate:</b>	-
<b>Flammability (solid, gas):</b>	-
<b>Upper/lower flammability or explosive limits:</b>	-
<b>Vapour pressure:</b>	-
<b>Vapour density:</b>	-
<b>Density:</b>	1,22 g/cm <sup>3</sup>
<b>Solubility:</b>	insoluble in water
<b>Partition coefficient (n-octanol/water):</b>	-
<b>Auto-ignition temperature:</b>	-
<b>Decomposition temperature:</b>	-
<b>Viscosity, dynamic:</b>	-
<b>Explosive properties:</b>	-
<b>Oxidising properties:</b>	-

**9.2. Other information**

The indicated values do not necessarily correspond to the product specification. Please refer to the product information sheet or the technical information sheet for specification data.

**10. STABILITY AND REACTIVITY****10.1. Reactivity**

Stable in normal conditions.

**10.2. Chemical stability**

Stable in normal conditions.

Fumes evolved by overheating during improperly processing or by burning may be injurious to health.

**10.3. Possibility of hazardous reactions**

No hazardous reactions observed.

**10.4. Conditions to avoid**

Sparks, flames and other ignition sources.

**10.5. Incompatible materials**

The product react with strong acid and strong bases.

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**10.6. Hazardous decomposition products**

Caused by smouldering and incomplete combustion toxic fumes mainly consisting of CO and CO<sub>2</sub> may be developed.

Under recommended processing conditions small amounts of emissions may occur.

**11. TOXICOLOGICAL INFORMATION****11.1. Information on toxicological effects**

- a) Acute oral/dermal/inhalation toxicity:* No data available
- b) Primary skin/mucosae irritation:* No data available
- c) Sensitisation:* No data available
- d) Subacute, subchronic and prolonged toxicity:* No data available
- e) Carcinogenicity:* No data available
- f) Reproductive toxicity/fertility:* No data available
- g) Specific target organ toxicity (STOT) — single exposure;* No data available
- h) Specific target organ toxicity (STOT) — repeated exposure;* No data available
- i) Aspiration toxicity.* No data available

**11.2. Additional information**

According to our experience and information the product has no harmful effects on health if properly handled.

**12. ECOLOGICAL INFORMATION****12.1. Toxicity**

No data available

**12.2. Persistence and degradability**

No data available

**12.3. Bioaccumulative potential**

No data available

**12.4. Mobility in soil**

No data available

**12.5. Results of PBT and vPvB assessment**

No data available

**12.6. Other adverse effects**

The product is practically insoluble in water. In view of its consistency and insolubility in water, no ecological problems are to be expected if the product is properly handled. The product is not readily biodegradable

**13. DISPOSAL CONSIDERATIONS****13.1. Waste treatment methods**

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After containers have been emptied as thoroughly as possible (e.g. by pouring, scraping or draining until "drip-dry"), they can be sent to an appropriate collection point set up within the framework of the existing take-back scheme of the chemical industry. Containers must be recycled in compliance with national legislation and environmental regulations.

The product is suitable for mechanical recycling. After appropriate treatment it can be re-melted and reprocessed into new moulded articles. Mechanical recycling is only possible if the material has been selectively retrieved and carefully segregated according to type.

**14. TRANSPORT INFORMATION****14.1. UN number**

Not dangerous goods

**14.2. UN proper shipping name**

Not dangerous goods

**14.3. Transport hazard class(es)**

Not dangerous goods

**14.4. Packing group**

Not dangerous goods

**14.5. Environmental hazards**

Not dangerous goods

**14.6. Special precautions for users**Not dangerous goods, keep dry.  
See section 6 – 8.**14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not applicable.

**15. REGULATORY INFORMATION****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

UE Legislation: not dangerous good in accordance with the directive Reg (EC) 1907/2006 and/or Reg (EC) 1272/2008.

National regulation: Follow the national and/or regional norms or any other relevant measure.

**15.2. Chemical Safety Assessment**

Not applicable.

**16. OTHER INFORMATION****User notes**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and

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may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**The Safety Data Sheet is revise in accordance with the Regulation 2020/878/EU**