

PRODUCT INFORMATION for safe handling



Aluminium powder – metallic filler for synthetic resins

Version 1

1. Product and Company Information

Product information

Trade name:	Aluminium powder (BM-AL) metallic filler based on pure aluminium to increase the compressive strength of synthetic resin systems Semi-finished products for industrial processing
Company:	HP-Textiles GmbH Otto-Hahn-Straße 22 48480 Schapen -Germany-
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2. Possible dangers

This product is not subject to classification within the meaning of Regulation (EC) No 1272/2008.

- Marking according to Regulation (EC) +r. 1272/2008 omitted
- Hazard pictograms are omitted
- Signal word omitted
- Hazard warnings are omitted

Other hazards

- The product has been proven to contain no organically bound halogen compounds (AOX), nitrates, heavy metal compounds and formaldehyde.
- PBT and vPvB assessment results: - PBT: not applicable. - vPvB: not applicable.

3. Composition / information on the ingredients

- Chemical characterization: substance
- Identification number(s) - EI+ECS number: 231-072-3

4. First aid measures

<u>General information:</u>	Bring those affected out into the fresh air.
<u>after inhalation:</u>	Fresh air supply, consult a doctor if you have any complaints.
<u>after skin contact:</u>	In general, the product is not irritating to the skin.
<u>after eye contact:</u>	Rinse the eyes with running water for several minutes with the slit open.
<u>after ingestion:</u>	If symptoms persist, consult a doctor.

PRODUCT INFORMATION for safe handling



5. Firefighting measures

Suitable extinguishing agents: extinguishing powder. Do not use water.

Extinguishing agents unsuitable for safety reasons: water in a full stream, water, carbon dioxide

Notes for firefighting:

Special protective equipment: Wear an ambient air-independent breathing apparatus.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency

Procedure: Wear protective equipment, keep unprotected people away, avoid dust formation.

Environmental protection measures: do not allow them to enter the sewer system or water bodies

Methods and material for retention and cleaning: Provide adequate ventilation, do not rinse away with water or aqueous detergents. Pick up mechanically.

- For reference to other sections, see Chapter 7 for information on safe handling.

7. Handling and storage

Protective measures for safe handling:

- Do not inhale dust.
- Do not come into contact with strong oxidizing agents.
- Protect from heat and direct sunlight.
- Avoid dust formation.

Notes on fire and explosion protection:

- Keep ignition sources away - do not smoke.
- Dust can form an explosive mixture with air.
- Take measures against electrostatic charge.

Conditions for safe storage taking into account incompatibilities

- Only use containers that are specifically approved for the substance/product.
- Keep containers dry and tightly closed and store in a well-ventilated room.
- Storage temperature: 15 - 20°C.

Summary storage notes:

- Store separately from oxidants.
- Store separately from flammable substances.

Further information on storage conditions:

- Protect from humidity and water.
- Keep container tightly closed.
- Store in well-sealed containers in a cool and dry place.

8. Exposure limitation and personal protective equipment

Personal protective equipment:

Respiratory:	recommended (filter P1, filter P2)
Guard:	recommendable
Eye protection:	recommended (tight-fitting safety goggles)
Body Protection:	Protective work clothing

PRODUCT INFORMATION for safe handling



General protective and hygiene measures:

- Wash hands before breaks and at the end of work.
- Do not eat, drink, smoke, sniffle at work.
- Remove soiled, soaked clothing immediately.
- Respiratory protection: required in case of dust.

Additional information on the design of technical installations: No further information, see point 7

9. Physical and Chemical Properties

Form:	Powder
Color:	Grey
Smell:	imperceptible.
Melting point/melting range:	660°C
Boiling point/boiling range:	2500°C
Flash point:	not applicable
Flammability (solid, gaseous):	Reacts with water to form highly flammable gases.
Ignition temperature:	400°C
Self-ignition:	Self-igniting in the air.
Danger of explosion	Dust explosion
Lower Explosion Limit:	from 60 g/cm ³
Density at 20°C:	2.7 g/cm ³
Solubility in water:	insoluble

10. Stability and reactivity

Thermal decomposition / conditions to be avoided:

No decomposition when used as intended.
Do not overheat to avoid thermal degradation.

Possibility of dangerous reactions:

Contact with water releases flammable gases.
Dust explosion hazard.
Violent reactions with strong alkalis and oxidizing agents. Danger of explosion.

Incompatible materials:

bring not in contact with strong oxidants

Dangerous decomposition products:

No dangerous decomposition products are known.

11. Toxicology information

Primary irritant effect:	Respiratory: non-irritating
Skin:	non-irritating
Eyes:	non-irritating
Sensitisation:	no sensitizing effect known

12. Environmental claims

Water hazard (self-classification):	Slightly hazardous to water
Aquatic toxicity:	No other relevant information available.

Do not allow undiluted or in large quantities to enter groundwater, water bodies or sewers.

**PRODUCT INFORMATION
for safe handling**



13. Disposal Instructions

Must be given special treatment in compliance with official regulations.
Must not be disposed of together with household waste. Do not let it get into the sewer system.

14. Transport details

No dangerous goods

15. Regulations

Classification according to VbF (A): not applicable
Classification according to the Industrial Safety Ordinance (BetrSichV): /
Water hazard class (self-classification): slightly hazardous to water.
Chemical safety assessment: A chemical safety assessment was not carried out.

16. Other information

This information is based on our current knowledge and the information provided by our suppliers and describes the product only with regard to safety requirements. We assume that they are correct to the best of our knowledge and belief. They do not constitute a guarantee of characteristics and do not claim to be complete. They do not take into account all the circumstances in which the product may be used, nor all the physical and psychological characteristics of the persons responsible for transporting or processing the product.

According to Regulation (EC) No. 1907/2006 [REACH] Article 3(3), this product is classified as an article, therefore there is no obligation to register the ingredients or prepare a safety data sheet, as required by Article 31 of the REACH Regulation. This document was prepared voluntarily in accordance with Annex II of the Regulation under the aspect of "Responsible Care".

Company: HP-Textiles GmbH, D-48480 Schapen -Germany-	Date: 2025-02-11 (Version 1)	Department: Application Technology / QA LS / HJ
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