

Safety data sheet
in accordance with Regulation (EC) No. 1907/2006
(REACH) and
Regulation (EU) 2020/878
KRAFTPROTZ 3D Bed Fix

Version number: GHS 1.0

Date of creation: 11/11/2025

SECTION 1: Identification of the substance or mixture and of the company

1.1 Product identifier

Trade name **KRAFTPROTZ 3D Bed Fix 21g**

Other names

Product number **KPBF21**

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

Relevant identified uses
Consumer use
Adhesion promoter for 3D printer print beds

1.3 Details of the supplier providing the safety data sheet

ARKA Biotechnologie GmbH
Mühlach 53-55
90552 Röthenbach an der Pegnitz
Germany

Phone: +49 (0)911 5698610
Fax: +49 (0)911 5698610 29
Email (qualified person)

info@arka-biotech.de

1.4 Emergency

Emergency information service
ARKA Biotechnologie GmbH
Available by phone Mon-Fri from 8:00 a.m. to 5:00 p.m.
Phone: +49 (0)911 5698610 00
EU emergency number: 112

SECTION 2: Potential hazards

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 (CLP)

The mixture is not classified as hazardous.

2.2 e labeling according to Regulation (EC) No. 1272/2008 (CLP)

No hazard pictograms, no signal words required.

Hazard statements

Not required

Safety advice

Not required

2.3 Other hazards

None known. Does not contain any PBT or vPvB substances. Does not contain any SVHCs according to Art. 57 REACH.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

Chemical characterization

Solid (glue stick)

Contains

- 4-chloro-3-methylphenol (CAS 59-50-7) – approx. 0.08%
- Sodium stearate (CAS 822-16-2) – approx. 5%
- Glycerin (CAS 56-81-5) – approx. 9%
- Polyvinyl alcohol (PVA) (CAS 9002-89-5) – approx. 10%
- Water (CAS 7732-18-5) – approx. 76%

None of the ingredients contained are present in a concentration that would trigger a hazard classification of the mixture according to the CLP Regulation.

SECTION 4: First aid measures

4.1 Description of first aid measures General

remarks

If symptoms occur or in case of doubt, seek medical advice.

After inhalation

Ensure fresh air supply.

After skin contact

Wash off with soap and water.

After eye contact

Rinse with plenty of water; if irritation persists, seek medical attention.

After ingestion

Rinse mouth, drink plenty of water, do not induce vomiting. Consult a doctor in case of irritation or symptoms of poisoning.

4.2 Most important acute and delayed symptoms and effects

No information available.

4.3 Indications for immediate medical attention or special treatment

No information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

The product itself is non-flammable. Water, foam, CO₂, dry powder.

Unsuitable extinguishing media

None

5.2 Special hazards arising from the substance or mixture

Dangerous vapors may be produced by surrounding fires.

Hazardous combustion products

Typical decomposition products of organic materials (CO₂, CO, small amounts of organic vapors).

5.3 Firefighting instructions

Fight fire with standard precautions from a safe distance. Only enter the danger zone with self-contained breathing apparatus. Avoid skin contact by maintaining a safe distance or wearing suitable protective clothing.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment, and emergency procedures

Observe standard hygiene measures. Avoid contact with eyes and skin.

6.2 Environmental precautions

Do not allow large quantities of undiluted product to enter waterways or sewage systems.

6.3 Methods and material for containment and cleaning up

Instructions on how to prevent spilled materials from spreading

Absorb with water.

Further information on spills and releases

Ventilate the affected area.

6.4 Reference to other sections

Hazardous combustion products: see Section 5. Personal protective equipment: see Section 8. Incompatible materials: see Section 10. Disposal information: see Section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Recommendations

Note on safe handling

Avoid skin and eye contact.

General hygiene advice

KRAFTPROTZ 3D Bed Fix

Version number: GHS 1.0

Date of creation: 11/11/2025

Wash hands after use. Do not eat, drink, or smoke in areas where work is being carried out. Do not store food and beverages together with chemicals. Do not use containers that are normally intended for food storage for chemicals. Keep away from food, drink, and animal feed.

7.2 Conditions for safe storage, taking into account incompatibilities

Store in a cool, dry place and keep tightly closed. Protect from frost.

Storage class: 13 – Non-flammable solids that cannot be assigned to any of the above storage classes.

Incompatible substances or mixtures

Observe storage compatibility information.

7.3 Specific end uses

See section 1.2.

SECTION 8: Exposure controls/personal protective equipment

8.1 Parameters to be monitored

No specific requirements.

8.2 Exposure controls and monitoring

8.2.1 Suitable technical control measures

No special requirements. See Section 7.1.

8.2.2 Individual protective measures (personal protective equipment)

Eye/face protection

Not required for normal use.

Skin protection

Not required for normal use.

• Hand protection

Not required for normal use.

• Type of material

No information available.

• Material thickness

Not specified.

• Breakthrough time of glove material

Not applicable

• Other protective measures

Observe standard hygiene rules.

Respiratory protection

Not required for normal use.

8.2.3 Limitation and monitoring of environmental exposure

Do not allow large quantities of undiluted product to enter waterways or sewage systems.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	Solid
Color	White
Odor	Faint odor

Other physical and chemical parameters

pH	Approx. 8.5
Melting point/freezing point	Not applicable
Boiling point and boiling range	>150 °C
Flash point	>93 °C
Evaporation rate	No data available
Flammability (solid, gaseous)	No data available
Explosion limits of dust/air mixtures	No data available
	No data available
Density	Approx. 1.15 g/cm³

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Relative density	>1 (water=1)
Solubility(ies) Water	
solubility	Completely water soluble
Partition coefficient	
n-Octanol/water (log KOW) Auto-	No data available
ignition temperature Viscosity	No data available
Explosive properties Oxidizing	Liquid
properties	None
	No data available

9.2 Other information

No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity

No dangerous reactions known.

10.2 Chemical stability

Stable at room temperature.

10.3 Possibility of hazardous reactions

No dangerous reactions occur when handled and stored as intended.

10.4 Conditions to avoid

Do not freeze. Product may lose consistency when frozen.

10.5 Incompatible materials

Avoid using strong oxidizing agents.

10.6 Hazardous decomposition products

None under normal conditions.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Toxicological effects

Acute toxicity (oral): Based on available data, acute toxicity is not expected.

The mixture is not classified.

Acute toxicity (dermal): Based on available data, acute toxicity is not expected.

The mixture is not classified.

Acute toxicity (inhalation): No data available.

Skin corrosion/irritation: No skin irritation effects known when used as intended.

Eye damage/irritation: Mild, reversible irritation possible.

Respiratory sensitization: No data available.

Skin sensitization: Not sensitizing.

Germ cell mutagenicity/genotoxicity: No data available.

Carcinogenicity: No data available.

Reproductive toxicity: No data available.

Effects on and via breast milk: No data available.

Specific target organ toxicity (single exposure): No data available.

Specific target organ toxicity (repeated exposure): No data available.

Aspiration hazard: No data available.

No known adverse health effects when used as intended.

Based on the properties of the individual substances, no relevant toxicological effects are to be expected.

SECTION 12: Environmental information

12.1 Toxicity

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Version number: GHS 1.0

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The product is not considered to be environmentally hazardous due to its composition.

The substances contained are present in concentrations that do not pose an acute or chronic hazard to aquatic organisms.

12.2 Persistence and degradability

The main components (water, PVA, glycerin, sodium stearate) are biodegradable.

The mixture shows no persistent properties and is considered to be readily biodegradable.

None of the components meet the criteria for PBT or vPvB.

12.3 Bioaccumulation potential

Due to the chemical structure and water solubility of the components, no bioaccumulation potential is expected.

12.4 Mobility in soil

The product is water-soluble and exhibits high mobility in soil.

No hazard is expected due to the low ecotoxicological relevance of the ingredients.

12.5 Results of the PBT and vPvB assessment

No PBT and vPvB substances present.

12.6 Endocrine disruptors

There are no known components that have endocrine-disrupting properties or have been identified as such under EU chemicals legislation.

12.7 Other harmful effects

No other environmentally relevant effects are known.

Due to its water-based and biodegradable components, environmental contamination is unlikely when used properly.

Water hazard class (WGK): 1 – slightly hazardous to water.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product residues must be disposed of in accordance with Waste Directive 2008/98/EC and national and regional regulations.

Information relevant to waste treatment

No data available.

Information relevant to disposal via wastewater

Do not allow large quantities to enter waterways or sewage systems undiluted.

Waste treatment of containers/packaging

Waste code number 15 01 02 = Plastic packaging

Disposal in accordance with official regulations.

Notes

Please observe the relevant national or regional regulations. Waste must be separated so that it can be treated separately by municipal or national waste disposal facilities.

SECTION 14: Transport information

14.1 UN number or ID number	Not classified as dangerous goods under national and international transport regulations (not subject to transport regulations)
14. Proper UN shipping name	Not relevant
14.3 Transport hazard classes	
Class	Not applicable
14.4 Packaging group	Not applicable
14.5 Environmental hazards	None (not hazardous to the environment according to dangerous goods regulations)
14.6 Special precautions for users	
Not a dangerous transport good.	
14.7 Bulk transport by sea in accordance with IMO instruments	
Not applicable to product in delivery condition.	

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Date of creation: 11/11/2025

SECTION 15: Regulatory information

15.1 Safety, health, and environmental regulations/specific legislation for the substance or mixture

- This product is subject to Regulation (EC) No. 1907/2006 (REACH) and Regulation (EC) No. 1272/2008 (CLP). Not classified as hazardous.
- There is no registration requirement as the annual import quantity per substance contained is less than 1 ton.
- **Regulation on flammable liquids (VbF)**
VbF (group and hazard class): Not applicable

National regulations (Germany)

• Ordinance on Installations for Handling Substances Hazardous to Water (AwSV)

Water hazard class (WGK) 1 - slightly hazardous to water

• Storage of hazardous substances in mobile containers (TRGS 510) (Germany)

Storage class (LGK): 13 (non-flammable solids)

15.2 Substance safety assessment

No substance safety assessment has been carried out for this substance.

SECTION 16: Other information

Abbreviations and acronyms

Abbreviation	Descriptions of abbreviations used
ADR	Accord européen relatif au transport international des marchandises dangereuses par route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
AGW	Occupational exposure limit
CAS	Chemical Abstracts Service (database of chemical compounds and their unique identifier, the CAS Registry Number)
CLP	Regulation (EC) No. 1272/2008 on the classification, labeling, and packaging of substances and mixtures
CMR	Carcinogenic, mutagenic, or toxic for reproduction
DFG	German Research Foundation MAK and BAT values list, Senate Commission for the Investigation of Health Hazards of Chemical Compounds in the Workplace, Wiley-VCH, Weinheim
DMEL	Derived Minimal Effect Level
DNEL	Derived No-Effect Level
GHS	Globally Harmonized System of Classification and Labelling of Chemicals, developed by the United Nations
Index No.	The index number is the identification code specified in Annex VI, Part 3 of Regulation (EC) No. 1272/2008.
KZW	Short-term value
LGK	Storage class according to TRGS 510, Germany
MARPOL	International Convention for the Prevention of Pollution from Ships (abbreviation of "Marine Pollutant")
PBT	Persistent, bioaccumulative, and toxic
PNEC	Predicted No-Effect Concentration
ppm	Parts per million
REACH	Registration, Evaluation, Authorization, and Restriction of Chemicals
SMW	Shift average

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KRAFTPROTZ 3D Bed Fix

Version number: GHS 1.0

Date of creation: 11/11/2025

TRGS	Technical Rules for Hazardous Substances (Germany)
TRGS 900	Occupational exposure limits (TRGS 900)
VbF	Regulation on flammable liquids (Austria)
vPvB	Very Persistent and Very Bioaccumulative

Important literature and data sources

- Regulation (EC) No. 1907/2006 (REACH)
- Regulation (EC) No. 1272/2008 (CLP, EU-GHS)

Disclaimer

The information provided is based on our current knowledge. This SDS has been compiled exclusively for this product and is intended solely for this product.