



Safety Data Sheet

in accordance with UK REACH (assimilated Regulation (EC) No 1907/2006), Annex II as amended

ARKA® KRAFTPROTZ Enzyme / Upholstery / Carpet / Fabric Cleaner

Version number:	GHS 3.0
Date of preparation:	21/03/2022
Date of revision:	16/06/2026
Supersedes version:	02/03/2026 (GHS 2.0)

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name:	ARKA® KRAFTPROTZ (cleaner product range)
Other names:	KRAFTPROTZ Enzyme Cleaner; KRAFTPROTZ Upholstery Cleaner; KRAFTPROTZ Carpet Cleaner; KRAFTPROTZ Fabric Stain & Odour Remover

This safety data sheet covers the following identical-formulation product variants (identical composition, classification and labelling; 750 ml pack). They differ only in trade name, recommended application and label artwork:

Trade name	Article number	EAN
ARKA® KRAFTPROTZ Enzyme Cleaner	KPEZR750 *	4260735747151
ARKA® KRAFTPROTZ Upholstery Cleaner	KPPOR750 *	4260735747250
ARKA® KRAFTPROTZ Carpet Cleaner	KPTPR750 *	4260735747403
ARKA® KRAFTPROTZ Fabric Stain & Odour Remover	KPTXR750 *	4260735747267

* No GB-specific (English) label variant was available at the time of preparation. The GB article-number suffix is to be assigned by the competent person to match the actual UK label; the EANs shown are product-type specific and apply across markets.

Note: The trade name must match the actual UK label.

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

Relevant identified uses:	Consumer use. Ready-to-use microbiological cleaner (Risk Group 1 bacterial blend) for odour and stain removal from pet urine residues and territorial marking of pets (dogs, cats, small pets/rodents) on plastic, wood, carpets, furniture, upholstery and water-resistant surfaces.
Uses advised against:	Uses other than those identified in section 1.2. Not intended for application on animals or for therapeutic purposes. Do not use in combination with chemicals, bleach, detergents or disinfectants, as these inactivate the microorganisms contained.

1.3 Details of the supplier of the safety data sheet

Supplier / manufacturer:	ARKA Biotechnologie GmbH
Address:	Mühlach 53–55 90552 Röthenbach an der Pegnitz Germany
Telephone:	+49 (0)911 5698610 00
E-mail (competent person):	info@arka-biotech.de
Internet:	www.arka-biotech.de

1.4 Emergency telephone number

Supplier emergency contact:	ARKA Biotechnologie GmbH, available Mon–Fri 08:00–17:00 on +49 (0)911 5698610 00
Healthcare professionals (UK):	National Poisons Information Service (NPIS): 0344 892 0111 (24 hours a day)
Members of the public (UK):	NHS 111 (24 hours a day); in an emergency call 999

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture

Classification according to the GB CLP Regulation (assimilated Regulation (EC) No 1272/2008): This mixture (ready-to-use finished product) does not meet the classification criteria of the GB CLP Regulation. It is not classified as hazardous.

Rationale: The underlying concentrate is classified Eye Dam. 1 (H318), Skin Irrit. 2 (H315), Skin Sens. 1 (H317) and Aquatic Chronic 3 (H412). On dilution of the concentrate to the ready-to-use finished product, the classification-determining surfactant falls below 1 % and thus below the classification limits for H318/H319; the skin sensitisers present are below their classification limits. The product classifications therefore no longer apply; only the supplemental labelling under section 2.2 remains.

2.2 Label elements

Hazard pictograms: none · Signal word: none · Hazard statements: none · Precautionary statements: none

Supplemental label elements (EUH statements):

EUH208 Contains 1,2-benzisothiazol-3(2H)-one and a reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction.

Additional information on fragrance allergens: Contains benzyl salicylate. May produce an allergic reaction.

Labelling under the assimilated Detergents Regulation (EC) No 648/2004, Annex VII Part D:

< 5 % non-ionic surfactants; preservatives (1,2-benzisothiazol-3(2H)-one, reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one); perfumes (BENZYL SALICYLATE); Class 1 microorganisms.

2.3 Other hazards

The mixture contains no substances meeting the PBT or vPvB criteria of Annex XIII of UK REACH. The mixture contains no substances with endocrine-disrupting properties at a concentration ≥ 0.1 %.

The mixture contains Risk Group 1 microorganisms (bacteria not normally known to cause human disease). A residual risk cannot be fully excluded for immunocompromised persons.

SECTION 3: Composition/information on ingredients

3.1 Substances: Not applicable – the product is a mixture.

3.2 Mixtures — Chemical characterisation: ready-to-use aqueous solution containing Risk Group 1 microorganisms, a non-ionic surfactant, preservatives and a fragrance fraction. The concentrations below relate to the diluted finished product (1 part concentrate + 10 parts water; dilution factor 11).

Identification (INCI / name)	CAS No.	EC No.	Conc. [% w/w]	Classification (GB CLP)
Water (Aqua)	7732-18-5	231-791-2	> 95	not classified
Microorganisms Cl. 1 (bacterial blend, Risk Group 1)	—	—	< 1	not classified
C9–C11 alkyl alcohol ethoxylate (non-ionic surfactant)	68439-46-3	—	0.45 – 0.82	Acute Tox. 4, H302; Eye Dam. 1, H318
1,2-benzisothiazol-3(2H)-one (BIT)	2634-33-5	220-120-9	0.009 – 0.027	Acute Tox. 4, H302; Acute Tox. 2, H330; Skin Irrit. 2, H315; Eye Dam. 1, H318; Skin Sens. 1, H317; Aquatic Acute 1, H400; Aquatic Chronic 1, H410
Benzyl salicylate	118-58-1	204-262-9	0.0136	Skin Sens. 1B, H317
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (CMIT/MIT)	55965-84-9	—	< 0.00045	Acute Tox. 2, H330; Acute Tox. 2, H311; Acute Tox. 3, H301; Skin Corr. 1C, H314; Skin Sens. 1A, H317; Eye Dam. 1, H318; Aquatic Acute 1, H400; Aquatic Chronic 1, H410

The full text of the hazard statements (H) is given in section 16. Classifications are taken from the GB mandatory classification and labelling list (GB MCL) or from supplier data.

Specific concentration limits (SCL): for 1,2-benzisothiazol-3(2H)-one, SCL H317 > 0.036 %; for the CMIT/MIT reaction mass, SCL H317 > 0.0015 % and M-factor = 100. The concentrations in the finished product are below these classification limits but trigger the supplemental EUH208 labelling (section 2.2).

The preparation contains no other hazardous substances at levels requiring disclosure in this section under the applicable GB legislation.

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice: If symptoms persist or in case of doubt, seek medical advice. Never give anything by mouth to an unconscious person. Remove contaminated or soaked clothing immediately.

Inhalation: Move the person to fresh air. If symptoms persist, seek medical advice.

Skin contact: Wash thoroughly with water. If skin irritation or rash occurs, seek medical advice.

Eye contact: Rinse cautiously with clean running water for several minutes, holding the eyelids open. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists, seek medical advice.

Ingestion: Rinse mouth with water. Do not induce vomiting without medical advice. If you feel unwell, seek medical advice and show the label or this safety data sheet.

4.2 Most important symptoms and effects, both acute and delayed: On prolonged skin contact, allergic skin reactions are possible in individuals with sensitive skin or already sensitised to the preservatives or fragrance components contained.

4.3 Indication of any immediate medical attention and special treatment needed: Treat symptomatically. No specific antidote is known.

SECTION 5: Firefighting measures

5.1 Suitable extinguishing media: The product is a non-flammable aqueous liquid. Use media appropriate to the surrounding fire (water spray, foam, dry powder, carbon dioxide). Unsuitable media: none known.

5.2 Special hazards arising from the substance or mixture: In a surrounding fire, hazardous decomposition products may form: oxides of nitrogen (NO_x), carbon monoxide (CO) and carbon dioxide (CO₂).

5.3 Advice for firefighters: Wear self-contained breathing apparatus. Collect contaminated firefighting water separately; do not allow it to enter the drains.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures: Avoid contact with eyes and skin. Large spillages may create slippery surfaces. Emergency personnel: use the PPE specified in section 8.

6.2 Environmental precautions: Prevent entry into drains, surface water or groundwater. If the product enters watercourses or drains, inform the relevant authorities.

6.3 Methods and material for containment and cleaning up: Small spillages: flush with water. Larger spillages: absorb with inert material (sand, diatomaceous earth, universal absorbent) and collect in labelled containers for disposal. Then clean the area thoroughly with water.

6.4 Reference to other sections: See sections 8 and 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling: Ensure good ventilation. Avoid contact with skin, eyes and clothing. Avoid the formation of aerosols. Wash hands after use. Do not eat, drink or smoke in work areas. Keep away from food, drink and animal feed.

7.2 Conditions for safe storage, including any incompatibilities: Store only in the original container, tightly closed. Protect from frost (do not freeze) and from direct sunlight. Recommended storage temperature: +5 °C to +25 °C. Do not store with strong oxidisers, strong acids or strong bases.

7.3 Specific end use(s): Ready-to-use microbiological cleaner for odour and stain removal (see section 1.2).

SECTION 8: Exposure controls/personal protection

8.1 Control parameters: No workplace exposure limits (WELs; HSE EH40) are assigned to the components at the concentrations present. No relevant DNEL/PNEC values are available for the components at the concentrations present.

8.2 Exposure controls:

Engineering controls: Ensure adequate ventilation (see 7.1).

Eye/face protection: Where splashing is possible, wear safety glasses (BS EN 166).

Hand protection: For prolonged/repeated contact, wear nitrile rubber (NBR) gloves, thickness ≥ 0.11 mm, to BS EN ISO 374-1. Observe the glove manufacturer's instructions.

Skin protection: Remove contaminated clothing and wash before reuse.

Respiratory protection: Not required under normal conditions of use.

Environmental exposure controls: Prevent entry into drains and surface/groundwater.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state:	liquid
Colour:	pale yellow (light straw)

Odour:	faint, characteristic
Odour threshold:	not available
pH (20 °C):	6.5 – 8.5
Melting/freezing point:	approx. 0 °C
Initial boiling point:	approx. 100 °C (1013 hPa)
Flash point:	not applicable (aqueous, non-flammable)
Flammability:	non-flammable
Explosive limits:	not applicable
Vapour pressure/density:	as for water
Relative density (20 °C):	approx. 1.0 g/cm ³
Solubility in water:	fully miscible
Partition coefficient n-octanol/water:	not applicable (mixture)
Auto-ignition/decomposition temperature:	not applicable
Viscosity:	water-like
Explosive/oxidising properties:	none

9.2 Other information: Aerobic mesophilic count: approx. 7.6×10^7 CFU/g (target microorganism content). Moulds: < 10 CFU/g. Pathogenic microorganisms (Candida albicans, Escherichia coli, Pseudomonas aeruginosa, Staphylococcus aureus): negative.

SECTION 10: Stability and reactivity

10.1 Reactivity: No dangerous reactions known under normal conditions.

10.2 Chemical stability: Stable under normal storage and handling conditions.

10.3 Possibility of hazardous reactions: None under normal conditions.

10.4 Conditions to avoid: Frost (freezing) and prolonged heating above +30 °C (impair microbial activity); direct sunlight.

10.5 Incompatible materials: Strong oxidisers, strong acids, strong bases and disinfectants (may inactivate the microorganisms).

10.6 Hazardous decomposition products: None under normal conditions. In a fire: see section 5.

SECTION 11: Toxicological information

11.1 Information on hazard classes: No experimental toxicological data are available for the mixture as such. The assessment is based on the component concentrations and the GB CLP calculation rules. Owing to the low concentrations, the classification limits are not reached.

Acute toxicity (oral/dermal/inhalation): criteria not met. Skin corrosion/irritation: criteria not met. Serious eye damage/eye irritation: criteria not met. Respiratory/skin sensitisation: criteria not met. In sensitised individuals, the preservatives or fragrance allergens present may cause reactions (see section 2.2). Germ cell mutagenicity/carcinogenicity/reproductive toxicity: criteria not met. STOT (single/repeated exposure): criteria not met. Aspiration hazard: criteria not met.

11.2 Information on other hazards: the mixture contains no endocrine-disrupting substances at a concentration ≥ 0.1 %. Prolonged or repeated skin contact may cause skin dryness.

SECTION 12: Ecological information

12.1 Toxicity: No experimental ecotoxicity data are available for the mixture. The underlying concentrate is classified Aquatic Chronic 3 (H412). Applying the GB CLP summation method to the finished-product concentrations (1 part concentrate + 10 parts water), including the M-factor = 100 of the CMIT/MIT reaction mass, the classification limits for aquatic hazard are not reached; the finished product is not classified as hazardous to the aquatic environment.

12.2 Persistence and degradability: The non-ionic surfactant meets the aerobic biodegradability criteria of the assimilated Detergents Regulation (EC) No 648/2004.

12.3 Bioaccumulative potential: No significant bioaccumulation is expected based on composition.

12.4 Mobility in soil: Water-miscible; transported with soil water if released.

12.5 Results of PBT and vPvB assessment: Contains no components meeting the PBT or vPvB criteria.

12.6 Endocrine-disrupting properties: No substance concerned at a concentration ≥ 0.1 %.

12.7 Other adverse effects: Avoid release to the environment.

SECTION 13: Disposal considerations

13.1 Waste treatment methods: Dispose of in accordance with the applicable national and local waste legislation (e.g. the List of Wastes Regulations and the Environmental Protection Act 1990). Recommended waste code: 20 01 30 – detergents other than those mentioned in 20 01 29.

Diluted in-use solutions may be disposed of in household quantities via the municipal wastewater system; do not discharge the undiluted product to drains.

Packaging: waste code 15 01 02 – plastic packaging. Recycle fully emptied packaging.

SECTION 14: Transport information

The product is not subject to the national and international regulations for the carriage of dangerous goods (ADR/RID/ADN, IMDG, IATA-DGR; GB Carriage of Dangerous Goods Regulations).

14.1 UN number:	not applicable – not a dangerous good
14.2 UN proper shipping name:	not applicable
14.3 Transport hazard class(es):	not applicable
14.4 Packing group:	not applicable
14.5 Environmental hazards:	not applicable
14.6 Special precautions for user:	none
14.7 Maritime transport in bulk (IMO instruments):	not applicable

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific to the substance or mixture — GB legislation:

- GB CLP Regulation (assimilated Regulation (EC) No 1272/2008), as amended
- UK REACH (assimilated Regulation (EC) No 1907/2006), as amended
- Assimilated Regulation (EC) No 648/2004 on detergents (GB)
- Control of Substances Hazardous to Health Regulations 2002 (COSHH); Health and Safety at Work etc. Act 1974, section 6
- Directive on biological agents – the product contains Risk Group 1 microorganisms
- UK REACH Annex XVII (restrictions): none applicable. Authorisation List (Annex XIV): no component affected. UK REACH Candidate List (SVHC), maintained by HSE: no SVHC present at $\geq 0.1\%$ w/w.
- GB does not operate the EU Annex VIII poison centre notification (PCN)/UFI system. Submission of product information to the NPIS is voluntary; this mixture is not classified for health or physical hazards. No UFI required.

Northern Ireland: under the Windsor Framework, EU CLP and EU REACH apply in Northern Ireland. This data sheet addresses the Great Britain (England, Scotland and Wales) market; for Northern Ireland, refer to the EU version of the safety data sheet.

15.2 Chemical safety assessment: No chemical safety assessment has been carried out for the mixture.

SECTION 16: Other information

Full text of the hazard statements (H) referenced in section 3 and of the supplemental EUH statements:

- H301 Toxic if swallowed.
- H302 Harmful if swallowed.
- H311 Toxic in contact with skin.
- H314 Causes severe skin burns and eye damage.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H330 Fatal if inhaled.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.
- EUH208 Contains <name of sensitising substance>. May produce an allergic reaction.

Abbreviations: ADR, CAS, COSHH, DNEL, GB CLP, GB MCL, INCI, NPIS (National Poisons Information Service), PBT, PNEC, SCL, SVHC, UFI, UK REACH, vPvB, WEL (workplace exposure limit).

Revision information: This version (GHS 3.0 of 16/06/2026) results from the reformulation of the product based on the concentrate "Evozyme Multipurpose Cleaner 10x (US) Arka" in diluted, ready-to-use form; revision of sections 2, 3, 9, 11, 12, 15 and 16. Version localised for the Great Britain market under GB CLP and UK REACH. Identical-formulation product variants (article numbers KPEZR/KPPOR/KPTPR/KPTXR-750) added in section 1.1.

Disclaimer: The information in this safety data sheet is based on our current state of knowledge and describes the product in terms of safety requirements. It does not constitute a warranty of properties. This data sheet has been

prepared for the products identified in section 1.1 only. Compliance with the applicable legislation is the responsibility of the recipient of the product.