SAFETY DATA SHEET

in accordance with Regulation (EC) No 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU) 2020/878

KRAFTPROTZ Adhesive Remover

Version number	Date of issue	Revision date	Supersedes
1.0	23.09.2026	23.09.2026	Reissue in the ARKA house design (EU version); supersedes manufacturer SDS version 1.0 (issued 24.02.2026)

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

1.1 Product identifier

Trade name	KRAFTPROTZ Adhesive Remover
Product number	KPKSE200
Container	Aerosol can 200 ml
UFI	4GUV-KN7H-E05H-87HU
Registration number (REACH)	Not applicable (mixture)

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

Relevant identified uses	Consumer use Special cleaner (aerosol) for removing adhesive, adhesive residues, labels and stickers on hard surfaces
Uses advised against	All uses not named in this subsection. Do not use on sensitive or solvent-sensitive plastics, soft PVC or expanded polystyrene.

1.3 Details of the supplier of the safety data sheet

Supplier	ARKA Biotechnologie GmbH Mühllach 53-55 90552 Röthenbach an der Pegnitz Germany
Telephone	+49 (0)911 5698610-00
Fax	+49 (0)911 5698610-29
E-mail (competent person)	info@arka-biotech.de
Website	www.arka-biotech.de

1.4 Emergency telephone number

National poison information centre of the country of use	Contact details: see the list of appointed bodies published by ECHA (https://poisoncentres.echa.europa.eu/appointed-bodies)
European emergency number (24 h)	112

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to CLP

Section	Hazard class	Category	Hazard class and category	Hazard statement
2.3	Aerosols	1	Aerosol 1	H222, H229
3.2	Skin corrosion/irritation	2	Skin Irrit. 2	H315
3.3	Serious eye damage/eye irritation	2	Eye Irrit. 2	H319
3.4S	Skin sensitisation	1	Skin Sens. 1	H317
3.8N	Specific target organ toxicity (single exposure), narcotic effects	3	STOT SE 3	H336
4.1C	Hazardous to the aquatic environment, chronic	2	Aquatic Chronic 2	H411

For the full text of the hazard statements, see subsection 2.2 and Section 16.

2.2 Label elements

Labelling according to CLP	Subject to labelling
Hazard pictograms	 GHS02 GHS07 GHS09
Signal word	Danger
Hazard statements (H statements)	H222 Extremely flammable aerosol. H229 Pressurised container: May burst if heated. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness. H411 Toxic to aquatic life with long lasting effects.
Precautionary statements (P statements)	P101 If medical advice is needed, have product container or label at hand. P102 Keep out of reach of children. P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P211 Do not spray on an open flame or other ignition source. P251 Do not pierce or burn, even after use. P260 Do not breathe mist/vapours/spray. P271 Use only outdoors or in a well-ventilated area. P273 Avoid release to the environment. P280 Wear protective gloves. P302+P352 IF ON SKIN: Wash with plenty of water/soap. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

	P312 Call a POISON CENTRE/doctor if you feel unwell. P403 Store in a well-ventilated place. P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. P501 Dispose of contents/container to a hazardous waste collection point or a recycling facility in accordance with local regulations.
Hazard-determining components (Art. 18(3)(b) CLP)	(R)-p-Mentha-1,8-diene (d-limonene); Propan-2-ol (2-propanol)
Additional information	UFI: 4GUV-KN7H-E05H-87HU Aerosol dispenser subject to Directive 75/324/EEC (as amended); the warnings required there are covered by H222, H229, P102, P210, P211, P251 and P410+P412.

2.3 Other hazards

Results of PBT and vPvB assessment	The mixture contains no substances at a concentration of 0.1 % or more that have been assessed as PBT or vPvB.
Endocrine disrupting properties	The mixture contains no substances with endocrine disrupting properties in accordance with Article 57(f) REACH, Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration of 0.1 % or more.
Other hazards	Vapours may form explosive mixtures with air. Highly flammable vapours may be released during use.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical characterisation: Solvent mixture with propellant in an aerosol can.

Substance name	Identifiers	Content (% by weight)	Classification according to CLP	Remarks
Propan-2-ol (2-propanol)	CAS: 67-63-0 EC: 200-661-7 Index: 603-117-00-0 REACH: 01-2119457558-25	≥ 25 to < 50	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336	Substance with an occupational exposure limit (EU or national)
(R)-p-Mentha-1,8-diene (d-limonene)	CAS: 5989-27-5 EC: 227-813-5 Index: 601-096-00-2	≥ 10 to < 25	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Acute 1, H400 (M = 1) Aquatic Chronic 1, H410 (M = 1)	Substance with an occupational exposure limit (EU or national)
Butane (< 0.1 % butadiene)	CAS: 106-97-8 EC: 203-448-7 Index: 601-004-00-0 REACH: 01-2119474691-32	≥ 10 to < 25	Flam. Gas 1A, H220 Press. Gas (Comp.), H280	Note K; propellant; substance with an occupational exposure limit (EU or national)

Substance name	Identifiers	Content (% by weight)	Classification according to CLP	Remarks
Propane	CAS: 74-98-6 EC: 200-827-9 Index: 601-003-00-5 REACH: 01-2119486944-21	≥ 10 to < 25	Flam. Gas 1A, H220 Press. Gas (Comp.), H280	Propellant
Isobutane (< 0.1 % butadiene)	CAS: 75-28-5 EC: 200-857-2 Index: 601-004-00-0 REACH: 01-2119485395-27	≥ 2.5 to < 10	Flam. Gas 1A, H220 Press. Gas (Comp.), H280	Note K; propellant

For the full text of the H statements, see Section 16. Information on the ingredients is taken from the manufacturer's safety data sheet.

Ingredients according to Regulation (EC) No 648/2004 (Detergents)

Ingredients	≥ 30 % aliphatic hydrocarbons 15 to < 30 % perfumes Allergenic fragrances: Limonene

SECTION 4: First aid measures

4.1 Description of first aid measures

General notes	Take off clothing contaminated with the product. Show this safety data sheet to the doctor in attendance. Symptoms may appear only after several hours; medical observation for at least 48 hours after the accident.
After inhalation	Remove person to fresh air. If symptoms persist, call a doctor. If breathing stops, give artificial respiration. If unconscious, place in the recovery position.
After skin contact	Wash off immediately with soap and plenty of water, take off contaminated clothing and shoes. If irritation or skin rash persists, seek medical advice.
After eye contact	Rinse eyes with water for at least 15 minutes with the eyelids held open. Remove contact lenses, if present and easy to do. Seek medical advice if eye irritation persists.
After ingestion	Do not induce vomiting. Rinse mouth. Seek medical advice immediately (call a doctor, the national poison information centre of the country of use or, in an emergency, 112; see Section 1.4).

4.2 Most important symptoms and effects, both acute and delayed

Skin irritation, allergic skin reactions, eye irritation, drowsiness and dizziness on inhalation of high concentrations.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media	Water spray, dry powder, carbon dioxide, alcohol-resistant foam.

Unsuitable extinguishing media	Water jet.

5.2 Special hazards arising from the substance or mixture

Extremely flammable aerosol. Aerosol cans may burst and be propelled when heated. Carbon monoxide and other irritating gases may be formed in case of fire.

5.3 Advice for firefighters

Wear self-contained breathing apparatus and protective clothing. Cool endangered containers with water spray. Dispose of fire residues and contaminated firefighting water in accordance with official regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Remove all ignition sources. Ensure adequate ventilation. Wear personal protective equipment (see Section 8). Move people to safety.

6.2 Environmental precautions

Do not allow to enter drains, surface water or soil. Notify the competent authorities if water courses or drains are contaminated.

6.3 Methods and material for containment and cleaning up

Absorb spilled liquid with non-combustible, liquid-binding material (sand, diatomaceous earth, universal binder). Use only spark-free tools. Send to suitable, labelled containers for disposal.

6.4 Reference to other sections

Safe handling: see Section 7. Personal protective equipment: see Section 8. Disposal: see Section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Recommendations	Use only in well-ventilated areas. Do not spray on an open flame or incandescent objects. Do not breathe aerosol. Avoid contact with eyes and skin. Avoid release to the environment.
Advice on protection against fire and explosion	Keep away from ignition sources. No smoking. Take measures against electrostatic discharge. Pressurised container: protect from sunlight and temperatures above 50 °C; do not pierce or burn, even after use.
General hygiene measures	Keep away from food, drink and animal feeding stuffs. Wash hands before breaks and after work.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions	Store in a cool, dry and well-ventilated place. Protect from light, heat and direct sunlight. Store out of the reach of children.
Storage together	Do not store together with oxidising and self-igniting substances.
Storage regulations	National storage regulations of the country of use apply (see Section 15.1).

7.3 Specific end use(s)

See subsection 1.2. Observe the instructions for use.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values (OEL) at EU level

Substance	CAS No.	EU limit value, 8 hour reference period	EU limit value, 15 minute reference period	Remarks
Propan-2-ol	67-63-0	No EU limit value assigned	No EU limit value assigned	National limit values of the country of use apply.
(R)-p-Mentha-1,8-diene (d-limonene)	5989-27-5	No EU limit value assigned	No EU limit value assigned	National limit values of the country of use apply.
Butane	106-97-8	No EU limit value assigned	No EU limit value assigned	Buta-1,3-diene (CMR): binding limit value 1 ppm (2.2 mg/m³), 8 hours (Directive 2004/37/EC, Annex III), relevant only above 0.1 % in the gas (here below 0.1 %, Note K).
Propane	74-98-6	No EU limit value assigned	No EU limit value assigned	Simple asphyxiant.
Isobutane	75-28-5	No EU limit value assigned	No EU limit value assigned	Buta-1,3-diene (CMR): see butane (below 0.1 %, Note K). Simple asphyxiant.

Further limit values: National limit values of the country of use apply, see the national lists.

Biological limit values

No EU-wide biological limit value is assigned for these substances. National biological limit values of the country of use may apply.

Based on the lists valid at the time of preparation (EU limit values under Directives 98/24/EC and 2004/37/EC). National limit values of the country of use apply, see the national lists.

Derived No-Effect Level (DNEL) according to Regulation (EC) No 1907/2006 (REACH) (manufacturer data)	d-Limonene: Workers, inhalation, systemic, long-term 66.7 mg/m³; dermal 9.5 mg/kg bw/d; Consumers, oral 4.8 mg/kg bw/d. Propan-2-ol: Workers, inhalation, systemic, long-term 500 mg/m³; dermal 888 mg/kg bw/d; Consumers, oral 26 mg/kg bw/d.

8.2 Exposure controls

Appropriate engineering controls	Observe national and local regulations. Ensure adequate ventilation.
Eye/face protection	Tight-fitting safety glasses (EN 166).
Hand protection	Protective gloves complying with EN ISO 374 (Personal Protective Equipment Regulation (EU) 2016/425).

	Splash protection: nitrile, minimum thickness 0.12 mm (disposable gloves); change immediately after contact. Contact up to 15 minutes: butyl rubber, minimum thickness 0.7 mm. Prolonged contact: multilayer laminate (breakthrough time ≥ 480 min) with an outer glove against mechanical stress.
Body protection	Protective clothing if there is a risk of splashing. Change contaminated clothing immediately.
Respiratory protection	Not required when used as intended in well-ventilated rooms. If the limit values are exceeded: combination filter A-P2 (EN 14387).
Limitation and monitoring of environmental exposure	Do not allow to enter drains or water courses.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

a) Physical state	Aerosol (liquid under propellant gas pressure)
b) Colour	Colourless to slightly yellowish
c) Odour	Characteristic (citrus note)
d) Melting point/freezing point	Not determined
e) Boiling point or initial boiling point and boiling range	-44.5 °C (propellant)
f) Flammability	Extremely flammable aerosol
g) Lower and upper explosion limit	Not determined
h) Flash point	< -97 °C (propellant)
i) Auto-ignition temperature	Not determined
j) Decomposition temperature	Not applicable
k) pH	Not applicable (anhydrous)
l) Kinematic viscosity	Not determined
m) Solubility	Immiscible or only slightly miscible with water
n) Partition coefficient n-octanol/water (log value)	No data available
o) Vapour pressure	Not determined
p) Density and/or relative density	0.68 g/cm³
q) Relative vapour density	Not determined
r) Particle characteristics	Not applicable

9.2 Other information

9.2.1 Information with regard to physical hazard classes	Aerosol 1. The product is not explosive; however, the formation of explosive vapour/air mixtures is possible.
9.2.2 Other safety characteristics	VOC content: 680 g/l

SECTION 10: Stability and reactivity

10.1 Reactivity	Forms highly flammable vapours.
10.2 Chemical stability	Stable under normal use and storage.
10.3 Possibility of hazardous reactions	Formation of explosive vapour/air mixtures possible.
10.4 Conditions to avoid	Heat, temperatures above 50 °C, sparks, open flames and other ignition sources. Heating leads to a rise in pressure and risk of bursting.
10.5 Incompatible materials	Strong oxidising agents.
10.6 Hazardous decomposition products	None when used as intended. Carbon monoxide in case of fire.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008 (CLP)

Acute toxicity	Based on the available data, the classification criteria are not met.
Skin corrosion/irritation	Causes skin irritation.
Serious eye damage/irritation	Causes serious eye irritation.
Respiratory or skin sensitisation	May cause an allergic skin reaction (d-limonene). Respiratory tract: Based on the available data, the classification criteria are not met.
Germ cell mutagenicity	Based on the available data, the classification criteria are not met.
Carcinogenicity	Based on the available data, the classification criteria are not met.
Reproductive toxicity	Based on the available data, the classification criteria are not met.
Specific target organ toxicity (single exposure)	May cause drowsiness or dizziness.
Specific target organ toxicity (repeated exposure)	Based on the available data, the classification criteria are not met.
Aspiration hazard	Based on the available data, the classification criteria are not met. (aerosol)

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties	No ingredients with endocrine disrupting properties at a concentration of 0.1 % or more.
11.2.2 Other information	No further information available.

SECTION 12: Ecological information

12.1 Toxicity	Toxic to aquatic life with long lasting effects. d-Limonene: LC50 (96 h, Pimephales promelas) 0.72 mg/l; LC50 (48 h, Daphnia magna) 0.36 mg/l; ErC50 (72 h, Desmodesmus subspicatus) 150 mg/l. Propan-2-ol: LC50 (96 h, Pimephales promelas) 9,640 mg/l; LC50 (24 h, Daphnia magna) 9,714 mg/l; EC50 (bacteria) > 100 mg/l.

12.2 Persistence and degradability	No data available for the mixture.
12.3 Bioaccumulative potential	No data available for the mixture.
12.4 Mobility in soil	No data available for the mixture.
12.5 Results of PBT and vPvB assessment	No ingredients with PBT or vPvB properties at a concentration of 0.1 % or more.
12.6 Endocrine disrupting properties	None known.
12.7 Other adverse effects	Do not allow to enter drains, water courses or soil. The hazard to the aquatic environment follows from the CLP classification (see Section 2); no national water hazard class is given.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product	Do not dispose of with household waste. Do not allow to enter drains. Cans that are not completely empty: hand over to a hazardous waste collection (household hazardous waste collection point) or an authorised hazardous waste disposal company. Recommended waste code (EWC): 16 05 04* gases in pressure containers (including halons) containing hazardous substances.
Packaging	Completely emptied cans (no residual pressure): recycle via the collection scheme for metal packaging. Cans that are not empty: EWC 15 01 11* metallic packaging containing a hazardous solid porous matrix (for example asbestos), including empty pressure containers.
Legal basis	Directive 2008/98/EC (waste framework directive), Articles 17 to 20 (hazardous waste: control, ban on mixing, labelling, household waste); List of Waste in accordance with Commission Decision 2000/532/EC (EWC codes). The national waste legislation of the country of use applies in addition.

SECTION 14: Transport information

Transport regulations	ADR (road), RID (rail) and ADN (inland waterways) as applied in the EU Member States under Directive 2008/68/EC (inland transport of dangerous goods, annexes as amended); IMDG Code (sea); IATA-DGR (air).
14.1 UN number or ID number	UN 1950
14.2 UN proper shipping name	ADR/RID/ADN: AEROSOLS IMDG: AEROSOLS (d-limonene) IATA: Aerosols, flammable
14.3 Transport hazard class(es)	ADR/RID/ADN: 2 (classification code 5F), label 2.1; IMDG/IATA: 2.1
14.4 Packing group	Not assigned
14.5 Environmental hazards	Yes (environmentally hazardous; IMDG: marine pollutant)
14.6 Special precautions for user	ADR: tunnel restriction code (D); limited quantity (LQ) 1 l per inner packaging; package maximum 30 kg. IMDG: EmS F-D, S-U. IATA: packing instruction 203, Y203 (LQ).

14.7 Maritime transport in bulk according to IMO instruments	Not applicable

SECTION 15: Regulatory information

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

EU regulations

Directive 75/324/EEC (aerosol dispensers)	The product is subject to the Aerosol Dispensers Directive (Directive 75/324/EEC as amended, last by Commission Directive (EU) 2016/2037). Marking with the inverted epsilon mark (reversed "3").
Detergents Regulation (EC) No 648/2004	Information on the ingredients: see Section 3.
Directive 2012/18/EU (Seveso III)	P3a Flammable aerosols; E2 Hazardous to the aquatic environment.
Directive 2010/75/EU (industrial emissions), VOC content	680 g/l
Restrictions under Annex XVII to REACH	Not applicable
Candidate List (SVHC) / Annex XIV to REACH	None of the ingredients is included.
Poison centre notification (Art. 45 and Annex VIII CLP)	UFI: 4GUV-KN7H-E05H-87HU
Employment restrictions	Observe Council Directive 94/33/EC (protection of young people at work) and Council Directive 92/85/EEC (pregnant workers and workers who have recently given birth or are breastfeeding) and their national implementation.
Workplace regulations	Observe Directive 89/391/EEC (safety and health of workers at work), Directive 98/24/EC (chemical agents at work) and, for explosive atmospheres, Directive 1999/92/EC, and their national implementation.

National regulations

National regulations	National regulations of the country of use apply additionally.

15.2 Chemical safety assessment

For this mixture no chemical safety assessment has been carried out.

SECTION 16: Other information

Changes compared with the previous version

Version 1.0	First issue in the ARKA house design based on the manufacturer's SDS. Section 2.2: P101 and P102 added (consumer product); hazard-determining components according to Art. 18(3)(b) CLP named. Section 3: identifiers of the ingredients corrected and completed. Section 11: contradictions with the classification in Section 2 corrected (eye irritation, STOT SE 3). Section 13: waste code for aerosol cans added. Section 16: wording of the H statements completed.

	Section 1.4: Emergency information adapted for the EU version (national poison information centre of the country of use, European emergency number 112). Section 8: Occupational exposure limit values replaced by EU limit values (Directives 98/24/EC and 2004/37/EC); national limit values of the country of use apply. Section 13: EU waste legislation (EWC codes unchanged). Section 14: ADR/RID/ADN as applied under Directive 2008/68/EC. Section 15: Regulatory information adapted to EU law; German national lines (WGK, LGK, TRGS) removed; reference to the national regulations of the country of use added.

Classification procedure

Aerosol 1: classification according to Annex I, section 2.3 CLP (content of flammable ingredients, propellant). Health and environmental hazards: calculation method based on the ingredients.

Full text of the H statements

Code	Wording
H220	Extremely flammable gas.
H222	Extremely flammable aerosol.
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H229	Pressurised container: May burst if heated.
H280	Contains gas under pressure; may explode if heated.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.

Abbreviations

Abbreviation	Meaning
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
CAS	Chemical Abstracts Service
CLP	Classification, Labelling and Packaging Regulation
CMR	Carcinogenic, mutagenic or toxic for reproduction
DNEL	Derived No-Effect Level
EC	European Community number (EINECS/ELINCS)
ECHA	European Chemicals Agency

Abbreviation	Meaning
EmS	Emergency Schedule (ships)
EU	European Union
EWC	European Waste Catalogue (List of Wastes code)
GHS	Globally Harmonised System of Classification and Labelling of Chemicals
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods Code
IOELV	Indicative occupational exposure limit value
LC50	Lethal concentration, 50 %
LQ	Limited quantity
OEL	Occupational exposure limit value
PBT	Persistent, bioaccumulative and toxic
PCN	Poison centre notification
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
STEL	Short-term exposure limit
STOT RE/SE	Specific target organ toxicity, repeated/single exposure
SVHC	Substance of very high concern
TWA	Time-weighted average
UFI	Unique Formula Identifier
VOC	Volatile organic compounds
vPvB	Very persistent and very bioaccumulative

Disclaimer

The information is based on our present state of knowledge and on the manufacturer's data. It does not, however, constitute a guarantee of product properties and does not establish a contractual legal relationship.