

SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006 (REACH) and Regulation (EU) 2020/878

KRAFTPROTZ ACTIVATOR

Item number KPA200

Revised on: 30.09.2024
Version: 1.0
Replaces version: 1.0
Language: en-EN

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

1.1 Product identifier

Trade name: KRAFTPROTZ ACTIVATOR

This safety data sheet applies to the following products:
KRAFTPROTZ ACTIVATOR | Article number KPA200

UFI: VJQ8-QX35-TE9F-VK7P

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

General use: Activator for adhesives

1.3 Details of the supplier of the safety data sheet

Company name: Street/PO ARKA Biotechnologie GmbH
Box: Mühlach 53-55
ZIP code, city: D-90552 Röthenbach
WWW: www.arka-biotech.de
E-Mail: info@arka-biotech.de
Phone: +49 (0)911 5698610 00
Fax: +49 (0)911 / 56 98 610 - 29

Information area: Poison control center Munich 24h / 7 days

1.4 Emergency number

Phone: +49 (0)89 192 40

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to EC Regulation 1272/2008 (CLP)

Aerosol 1; H222; H229Extremely flammable aerosol. Pressurized container: May burst if heated. Eye Irrit.2; H319 Causes serious eye irritation.
STOT SE 3; H336May cause drowsiness or dizziness.
(EUH066) Repeated exposure may cause skin dryness or cracking.

2.2 Labeling elements

Labeling (CLP)



Signal word:

Danger

Hazard warnings:

H222	Extremely flammable aerosol.
H229	Pressurized container: May burst when heated.
H319	Causes serious eye irritation.
H336	May cause drowsiness and dizziness.
EUH066	Repeated contact can lead to chapped or cracked skin.

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Safety instructions:	P102	Keep out of the reach of children.
	P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Do not smoke.
	P211	Do not spray on an open flame or other ignition source. P251 Do not pierce or burn, even after use. P261 Avoid breathing aerosol.
	P271	Use only outdoors or in a well-ventilated area.
	P280	Wear protective gloves/protective clothing/eye protection.
	P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove any contact lenses if possible. Continue rinsing.
	P405	Store under lock and key.
	P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
	P501	Dispose of contents/container to hazardous or special waste collection point.

Special labeling

Instruction text for labels: Contains acetone.

2.3 Other dangers

High quantities can lead to narcotic effects. Rapid vaporization can cause frostbite.
Formation of explosive mixtures possible without adequate ventilation.
Inhalation may cause irritation of the respiratory tract and mucous membranes.
Particular risk of slipping due to leaking/spilled product.

Endocrine disrupting properties, results of PBT and vPvB assessment:
No data available

SECTION 3: Composition/information on ingredients

3.1 Substances: not applicable

3.2 Mixtures

Chemical characterization: Mixture of the following substances with non-hazardous additions:

Hazardous ingredients:

Identifiers	Designation Classification	Salary
REACH 01-2119471330-49-xxxx EC No. 200-662-2 CAS 67-64-1	Acetone Flam. Liq. 2; H225. Eye Irrit. 2; H319. STOT SE 3; H336. (EUH066).	25 - 50 %
EC No. 202-805-4 CAS 99-97-8	N,N-dimethyl-p-toluidine Acute Tox. 3; H301. Acute Tox. 3; H311. Acute Tox. 3; H331. STOT RE 2; H373. Aquatic Chronic 3; H412.	< 0,2 %
REACH 01-2119472128-37-xxxx EC No. 204-065-8 CAS 115-10-6	Dimethyl ether Flam. Gas 1; H220. press. Gas (Comp.); H280.	50 - 100 %

Wording of the H and EUH hazard statements: see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information:	If medical advice is required, have packaging or label ready. Take off contaminated clothing and wash it before wearing it again. IF exposed or concerned: Get medical advice/attention. First aider: Pay attention to self-protection!
In case of inhalation:	Provide fresh air. Consult a doctor in case of complaints.
After skin contact:	Wash off thoroughly with soap and water. In case of skin reactions, consult a doctor.

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After eye contact: Immediately rinse opened eye for 10 to 15 minutes under running water. Remove any contact lenses if possible. Continue rinsing. Then consult an ophthalmologist.

After swallowing: Do not induce vomiting. Rinse mouth and seek medical advice immediately.

4.2 Most important symptoms and effects, both acute and delayed

Causes serious eye irritation. May cause drowsiness and dizziness. Repeated exposure may cause skin dryness or cracking.

4.3 Information on immediate medical assistance or special treatment

Symptomatic treatment.

SECTION 5: Fire-fighting measures

5.1 Extinguishing agent

Suitable extinguishing agents: Dry extinguishing powder, carbon dioxide, alcohol-resistant foam.

Unsuitable extinguishing agents for safety reasons:
Full water jet

5.2 Special hazards arising from the substance or mixture

Extremely flammable aerosol. Pressurized container: May burst if heated. In case of fire, hazardous combustion gases and vapors may be released.

5.3 Instructions for firefighting

Special protective equipment for fire fighting:

Wear self-contained breathing apparatus and fire protection clothing.

Additional information:

Heating leads to pressure increase: Risk of bursting and explosion. Cool endangered containers with water spray.

If safe to do so, remove undamaged containers from the danger zone.

In case of large fire and large quantities: Clear the surrounding area. Fight fire from a distance due to risk of explosion.

Avoid the ingress of extinguishing water into surface water or groundwater. Fire residues and contaminated extinguishing water must be disposed of in accordance with local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid inhalation of aerosol. Avoid contact with substance. In case of leakage, remove all sources of ignition. Ensure adequate ventilation.

Wear suitable protective equipment. Remove contaminated clothing and wash before reuse. Keep unprotected persons away.

Cordon off the endangered area in the direction of the wind and warn residents.

6.2 Environmental protection measures

Do not allow product to reach ground water, water course or sewage system. Explosion hazard!

Notify competent authorities in case of release.

6.3 Methods and material for retention and cleaning

Contain leaked material with non-combustible absorbent material (e.g. sand, earth, vermiculite, diatomaceous earth) and collect for disposal according to local regulations in the containers provided (see section 13).

Clean the surrounding area thoroughly.

For larger quantities: Pick up mechanically (observe explosion protection when pumping out).

Additional information:

Particular risk of slipping due to leaking/spilled product.

6.4 Reference to other sections

See also sections 8 and 13.

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SECTION 7: Handling and storage

7.1 Protective measures for safe handling

Instructions for safe handling:

Ensure good ventilation of storage area and workplace. Avoid inhalation of aerosol. Do not get in eyes, on skin or clothing. Wear suitable protective equipment.
Do not eat, drink or smoke during use. Wash hands thoroughly after use. Remove contaminated clothing and wash before reuse.
Ensure adequate ventilation during and after use to prevent vapor build-up.
Provide an eye wash bottle or eye shower in the work area. Provide an emergency shower when handling large quantities.

Notes on fire and explosion protection:

Keep away from heat, hot surfaces, sparks, open flames and other sources of ignition. Do not smoke. Do not puncture or burn, even after use. Do not spray on an open flame or other ignition source.

7.2 Conditions for safe storage, taking into account incompatibilities

Requirements for storage rooms and containers:

Keep container tightly closed in a well-ventilated place. Keep container dry. Store only in the original container.
Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Store container upright.

Advice on storage together: Do not store together with oxidizing and self-igniting substances and highly flammable solids.
Keep away from food, drink and animal feed.

Storage class: 2B = Aerosols

7.3 Specific end uses

There is no information available.

SECTION 8: Exposure controls/personal protection Protective equipment

8.1 Parameters to be monitored

Occupational exposure limits:

CAS No.	Designation	Type	Limit value
67-64-1	Acetone	Germany: TRGS 900 Short-term	2400 mg/m ³ ; 1000 ppm
		Germany: TRGS 900 Long-term	1200 mg/m ³ ; 500 ppm
		Europe: IOELV: TWA	1210 mg/m ³ ; 500 ppm
115-10-6	Dimethyl ether	Germany: TRGS 900 Short-term	15200 mg/m ³ ; 8000 ppm
		Germany: TRGS 900 Long-term	1900 mg/m ³ ; 1000 ppm
		Europe: IOELV: TWA	1920 mg/m ³ ; 1000 ppm

Biological limit values:

CAS No.	Designation	Type	Limit value	Parameter	Samplings
67-64-1	Acetone	Germany: BAT, urine	50 mg/L	Aceton	End of exposure or end of shift
		Germany: TRGS 903, urine	80 mg/L	e	End of exposure or end of shift
				Aceton	
				e	

8.2 Exposure controls and monitoring

Ensure good ventilation or extraction or work with completely closed equipment.

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Personal protective equipment

Limiting and monitoring exposure in the workplace

Respiratory protection:	Wear respiratory protection if ventilation is inadequate. The respiratory protection filter class must be adapted to the maximum concentration of harmful substances (gas/vapor/aerosol/particles) that can occur when handling the product. Isolating equipment must be used if the concentration is exceeded!
Hand protection:	Protective gloves according to EN 374. Glove material: Butyl rubber - Layer thickness: ≥ 0.5 mm Breakthrough time (maximum wearing time): > 240 min The information provided by the manufacturer of the protective gloves regarding permeability and breakthrough times must be observed.
Eye protection:	Tight-fitting safety goggles according to EN 166.
Body protection:	Wear flame-retardant, antistatic and chemical-resistant protective clothing.
Protective and hygiene measures:	Keep away from heat, hot surfaces, sparks, open flames and other sources of ignition. Do not smoke. Do not puncture or burn, even after use. Do not spray against an open flame or other ignition source. Avoid inhalation of aerosol. Do not get in eyes, on skin or clothing. Do not eat or drink at work. Do not wear contaminated work clothing outside the workplace. Wash hands thoroughly after use. Remove contaminated clothing and wash before reuse. Provide an eye wash bottle or eye shower in the work area. Provide an emergency shower when handling large quantities.

Limiting and monitoring environmental exposure

See "6.2 Environmental protection measures".

SECTION 9: Physical and chemical properties

9.1 Information on the basic physical and chemical properties

Physical state at 20 °C and 101.3 kPa	liquid
Color:	Form: Aerosol colorless
Odor:	acetone-like
Odor threshold:	No data available
Melting point/freezing point:	No data available
Initial boiling point and boiling range:	No data available
Flammability:	Extremely flammable aerosol.
Upper/lower flammability or explosive limits:	No data available
Flash point/flame range:	No data available
Decomposition temperature:	No data available
pH value:	No data available
Viscosity, kinematic:	No data available
Solubility:	No data available
Partition coefficient n-octanol/water:	No data available Vapor
pressure:	No data available
Density:	No data available
Vapor density:	No data available
Particle properties:	Not applicable

9.2 Other information

Explosive properties:	Vapors may form explosive mixtures with air.
Oxidizing properties:	No data available
Auto-ignition temperature:	No data available
Evaporation rate:	No data available
Further information:	No data available

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SECTION 10: Stability and reactivity

10.1 Reactivity

Extremely flammable aerosol.
Vapors may form explosive mixtures with air.

10.2 Chemical stability

Stable under specified storage conditions.

10.3 Possibility of hazardous reactions

Pressurized container: May burst when heated.

10.4 Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other sources of ignition. Do not smoke. Do not puncture or burn, even after use. Do not spray on an open flame or other ignition source. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

10.5 Incompatible materials

No data available

10.6 Hazardous decomposition products

No hazardous decomposition products if the regulations for storage and handling are observed.

Thermal decomposition: No data available

SECTION 11: Toxicological information

11.1 Information on hazard classes according to Regulation (EC) No. 1272/2008

Toxicological effects: The statements are derived from the properties of the individual components. No toxicological data are available for the product as such.

Acute toxicity (oral): Based on available data, the classification criteria are not met. ATE_{mix} (calculated): 2,000 < ATE < 5,000 mg/kg.

Acute toxicity (dermal): Based on available data, the classification criteria are not met. ATE_{mix} (calculated): ATE > 5,000 mg/kg.

Acute toxicity (inhalation): Based on available data, the classification criteria are not met. ATE_{mix} (calculated): ATE > 20 mg/L/4h

Skin corrosion/irritation: Based on available data, the classification criteria are not met. Repeated contact can lead to chapped or cracked skin.

Serious eye damage/irritation: Eye Irrit. 2; H319 = Causes serious eye irritation. Respiratory sensitization: Lack of data.

Skin sensitization: Lack of data. Germ cell mutagenicity/genotoxicity: Lack of data. Carcinogenicity: Lack of data.

Reproductive toxicity: Lack of data.

Effects on and via breast milk: Lack of data.

Specific target organ toxicity (single exposure): STOT SE 3; H336 = May cause drowsiness or dizziness.

Specific target organ toxicity (repeated exposure): Lack of data. Aspiration hazard: Lack of data.

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11.2 Information on other hazards

Endocrine disrupting properties:

No data available

Other information:

Information on acetone:
LD50 rat, oral: 5,800 mg/kg
LD50 rabbit, dermal: 7,400 mg/kg LC50
rat, inhalative: 76 mg/L 4h
Information on N,N-dimethyl-p-toluidine:
LD50 oral: 139 mg/kg
LD50 dermal: > 935 mg/kg

Symptoms

High concentrations can cause suffocation.
Vapours of organic solvents can have a narcotic effect. Other symptoms: agitation, cramps, cardiac arrhythmia. If inhaled: irritation of mucous membranes, coughing and shortness of breath.
After skin contact:
Prolonged or repeated skin contact may have a degreasing effect and lead to dermatitis.
After eye contact:
Direct eye contact may cause burning, tearing and redness.

SECTION 12: Environmental information

12.1 Toxicity

Water hazard class: 1 = slightly hazardous to water

12.2 Persistence and degradability

Other information: No data available

12.3 Bioaccumulative potential

Partition coefficient n-octanol/water:
No data available

12.4 Mobility in soil

No data available

12.5 Results of the PBT and vPvB assessment

No data available

12.6 Endocrine disrupting properties

No data available

12.7 Other harmful effects

General information: Do not allow product to reach ground water, water course or sewage system.

SECTION 13: Disposal instructions

13.1 Waste treatment processes

Product

Waste code number: 16 05 04* =Gases in pressure containers (including halons) containing dangerous substances.
= Proof of disposal is required.

Recommendation: Hazardous waste. Do not open by force or incinerate, even after use.
Must not be disposed of together with household waste. Do not dispose of via the sewage system.
Dispose of in accordance with official regulations.

Packaging

Waste code number: 15 01 04 = Metal packaging.
Recommendation: Empty carefully and as completely as possible.
Disposal in accordance with official regulations.
Non-contaminated and completely emptied packaging can be recycled.

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SECTION 14: Transport information

14.1 UN number or ID number

ADR/RID, ADN, IMDG, IATA-DGR:
UN 1950

14.2 UN proper shipping name

ADR/RID, ADN: UN 1950, PRESSURIZED GAS PACKAGINGS
IMDG: UN 1950, AEROSOLS
IATA-DGR: UN 1950, AEROSOLS, FLAMMABLE

14.3 Transport hazard classes

ADR/RID, ADN: Class 2, Code: 5F
IMDG: Class 2, Subrisk -, see SP63
IATA-DGR: Class 2.1



14.4 Packaging group

ADR/RID, ADN, IMDG, IATA-DGR:
Not applicable

14.5 Environmental hazards

Dangerous for the environment: Substance/mixture is hazardous according to the criteria of the UN model regulations not dangerous for the environment.
Marine pollutant - IMDG: no

14.6 Special precautions for the user

Land transportation (ADR/RID)

Warning sign: RID: Hazard number 23, UN number UN 1950
Hazard label: 2.1
Special regulations: 190 327 344 625
Limited quantities: 1 L
EQ: E0
Packaging - Instructions: P207 LP200
Packaging - special regulations: PP87 RR6 L2
Special regulations for packing together: MP9
Tunnel restriction code: D

Inland waterway transportation (ADN)

Hazard label: 2.1
Special regulations: 190 327 344 625
Limited quantities: 1 L
EQ: E0
Equipment required: PP - EP - A
Ventilation: VE01, VE04

Sea transportation (IMDG)

EmS: F-D, S-U
Special regulations: 63 190 277 327 344 381 959
Limited quantities: Lake SP277
Released quantities: E0
Packaging - Instructions: P207, LP200
Packaging - Regulations: PP87, L2
IBC - Instructions: -
IBC - Regulations: -
Refueling instructions - IMO: -
Refueling instructions - UN: -
Refueling instructions - regulations: -
Stowage and handling: SW1 SW22
Separation: SG69
Properties and remark: -
Separation group: none

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Air transportation (IATA)

Hazard label: Flamm. gas
Exempted quantity Coding: E0
Passenger and Cargo Aircraft: Limited Quantity: Pack.Instr. Y203 - Max. Net Qty/Pkg. 30 kg G
Passenger and cargo aircraft: Pack.Instr. 203 - Max. Net Qty/Pkg. 75 kg
Cargo aircraft only: Pack.Instr. 203 - Max. Net Qty/Pkg. 150 kg
Special regulations: A145 A167 A802
Emergency Response Guide-Code (ERG): 10L

14.7 Transport of bulk goods by sea in accordance with IMO instruments

No data available

SECTION 15: Legislation

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

National regulations - Germany

Storage class: 2B = Aerosols

Water hazard class: 1 = slightly hazardous to water

Major Accidents Ordinance: Directive 2012/18/EU (Seveso III):
Physical hazards: Section 1.2.3.1 = Code P3a, quantity threshold 150 000kg / 500 000kg

Technical Instructions on Air: 5.2.5

Notes on employment restrictions:
Observe employment restrictions for young people. Observe employment restrictions for expectant and nursing mothers.

Other regulations, restrictions and ordinances:
The product is not subject to the Chemicals Prohibition Ordinance (ChemVerbotsV).

National regulations - EC Member States Labeling of the packaging with a content <= 125mL



Signal word:

Danger

Hazard warnings:	H222	Extremely flammable aerosol.
	H229	Pressurized container: May burst when heated.
	H336	May cause drowsiness and dizziness.
	EUH066	Repeated contact can lead to chapped or cracked skin.
Safety instructions:	P102	Keep out of the reach of children.
	P210	Away from heat, hot surfaces, sparks, open flames and other Keep away from sources of ignition. Do not smoke.
	P211	Do not spray against an open flame or other ignition source.
	P251	Do not pierce or burn, even after use.
	P261	Avoid inhalation of aerosol.
	P271	Only use outdoors or in well-ventilated rooms.
	P405	Store under lock and key.
	P410+P412	Protect from sunlight. Do not expose to temperatures above 50 °C/122 °F suspend.
	P501	Dispose of contents/container to hazardous waste disposal.

Other regulations, restrictions and ordinances:

Product: Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso III Directive] see Germany, 12th BImSchV Use restriction according to REACH Annex XVII No.: 3, 40, 75

Acetone: Regulation (EU) No 2019/1148 (Marketing and use of explosives precursors)

15.2 Chemical safety assessment

No chemical safety assessment is required for this mixture.

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SECTION 16: Other information

Wording of the H-phrases under section 2 and 3:

H220 = Extremely flammable gas. H222 = Extremely flammable aerosol.
H225 = Highly flammable liquid and vapor.
H229 = Pressurized container: May burst if heated. H280 = Contains gas under pressure; may explode if heated. H301 = Toxic if swallowed.
H311 = Toxic in contact with skin.
H319 = Causes serious eye irritation. H331 = Toxic if inhaled.
H336 = May cause drowsiness or dizziness.
H373 = May cause damage to organs through prolonged or repeated exposure.
H412 = Harmful to aquatic life with long lasting effects.
EUH066 = Repeated exposure may cause skin dryness or cracking.

Literature:

BG RCI:
- UVV-VBG-61: Gases
Pressure vessel regulation
TRG: Technical rules for gases
- Leaflet M004 'Acids and alkalis'
- Leaflet M017 'Solvents'
- Leaflet M050 'Activities with hazardous substances'

Reason for the last changes: General revision

Date of first issue: 25.8.2021

Data sheet issuing area:

See section 1: Information area

Abbreviations and acronyms: Acute Tox.: Acute toxicity

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
Aerosol: Aerosol
Aquatic Chronic: Hazardous to the aquatic environment - chronic AS/NZS: Australian/New Zealand Standard CAS: Chemical Abstracts Service
CFR: Code of Federal Regulations
CLP: Classification, Labeling and Packaging
DMEL: Derived exposure level with minimal effect DNEL: Derived no-effect level
EC: European Community EN: European Standard
EQ: Exempted quantities
EU: European Union
Eye Irrit.: Irritant effect on eyes
Flam. Gas: Flammable gases Flam. Liq.: Flammable liquid
IATA: International Air Transport Association
IATA-DGR: International Air Transport Association - Dangerous Goods Regulations
IBC Code: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk IMDG Code: Dangerous Goods Regulations for International Maritime Transportation
LC50: Median lethal concentration
LD50: Lethal dose 50%
MARPOL: International Convention for the Prevention of Pollution from Ships OSHA: Occupational Safety and Health Administration, America
PBT: Persistent, Bioaccumulative and Toxic PNEC: Predicted No Effect Concentration Press. Gas: Gases under pressure
REACH: Registration, Evaluation, Authorization and Restriction of Chemicals RID: Regulations concerning the International Carriage of Dangerous Goods by Rail
STOT RE: Specific target organ toxicity - repeated exposure STOT SE: Specific target organ toxicity - single exposure TRGS: Technical rules for hazardous substances
UN: United Nations
vPvB: Very persistent and very bioaccumulative

The information in this data sheet has been compiled to the best of our knowledge and corresponds to the state of knowledge on the revision date. However, it does not guarantee compliance with certain properties in the sense of being legally binding.