

Safety Data Sheet

in accordance with Regulation (EC) No.
1907/2006

KPSSH25 - High-strength screw lock (red)

Revised on: 11/21/2025

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

1.1. Product identifier

KPSSH25 - High-strength screw lock (red)

UFI: SH10-F03N-E003-YK4U

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

Use of the substance/mixture

Adhesives, sealants

1.3. Details of the supplier providing the safety data sheet

Company name: ARKA Biotechnologie GmbH
Street: Mühlbach 53-55
City: D-90552 Röthenbach a.d.Peg.
Phone: +49 (0)911 / 56 98 610 - 00 Fax: +49 (0)911 / 56 98 610 - 29
Email (contact person): info@arka-biotech.de

1.4. Emergency number: +49 (0)89-19240 Munich Poison Control Center (24 hours a day, 7 days a week)

SECTION 2: Potential hazards

2.1. Classification of the substance or

mixture Regulation (EC) No. 1272/2008

Skin Irrit. 2; H315 Eye
Irrit. 2; H319 Skin
Sens. 1; H317 STOT
SE 3; H335

Wording of hazard statements: see SECTION 16.

2.2. Labeling elements Regulation

(EC) No. 1272/2008

Hazardous components for labeling

Methacrylic acid, diester with polyethylene
glycol 2-Butenedioic acid (2E)-, polymer with
.alpha.,.alpha.'-(methylethylidene)di-4,1-phenylene)bis(.omega.-hydroxypoly(oxy(methyl-1,2-et
alpha, alpha-Dimethylbenzyl hydroperoxide; Cumen hydroperoxide

Signal word: Warning

Pictograms:



Hazard statements

H315 Causes skin irritation.
H317 May cause allergic skin reactions.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.

Safety instructions

P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing
protection. P302+P352 IF ON SKIN: Wash with plenty of water.
P321 Specific treatment (see safety instructions on this label). P333+P313 If skin irritation
or rash occurs: Get medical advice/attention.

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P362+P364
P501

Take off contaminated clothing and wash before reuse.
Dispose of contents/container to an appropriate recycling or disposal facility.

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.2. Mixtures Relevant

components

CAS No.	Substance name			Percentage
	EC No.	Index No.	REACH No.	
	Classification (Regulation (EC) No. 1272/2008)			
25852-47-5	Methacrylic acid, diester with polyethylene glycol			60 - 100
	607-819-8			
	Skin Irrit. 2, Eye Irrit. 2, STOT SE 3; H315 H319 H335			
39382-25-7	2-Butenedioic acid (2E)-, polymer with .alpha.,.alpha.'-(methylethylidene)di-4,1-phenylene)bis(.omega.-hydroxypoly(oxy(methyl-1,2-et			10 - 30
	609-663-6			
	Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1; H315 H319 H317			
80-15-9	alpha, alpha-Dimethylbenzyl hydroperoxide; cumene hydroperoxide			1 - 1.5
	201-254-7	617-002-00		
	Org. Perox. E, Acute Tox. 3, Acute Tox. 4, Acute Tox. 4, Skin Corr. 1B, STOT RE 2, Aquatic Chronic 2; H242 H331 H312 H302 H314 H373 H411			

Wording of H and EUH statements: see Section 16.

Specific concentration limits, M-factors, and ATE

CAS No.	EC No.	Substance name	Percentage
		Specific concentration limits, M-factors, and ATE	
80-15-9	201-254-7	alpha, alpha-dimethylbenzyl hydroperoxide; cumene hydroperoxide	1 - 1.5
		inhalation: ATE = 3 mg/l (vapors); inhalation: ATE = 0.5 mg/l (dust or mist); dermal: ATE = 1100 mg/kg; oral: LD50 = 382 mg/kg Skin Corr. 1B; H314: >= 10 - 100 Skin Irrit. 2; H315: >= 3 - < 10 Eye Dam. 1; H318: >= 3 - < 10 Eye Irrit. 2; H319: >= 1 - < 3 STOT SE 3; H335: >= 1 - 100	

SECTION 4: First aid measures

4.1. Description of first aid measures General

information

First responder: Ensure your own safety!

After inhalation

Provide fresh air. In all cases of doubt or if symptoms are present, seek medical advice.

After skin contact

In case of contact with skin, wash immediately with plenty of soap and water. Remove all contaminated clothing immediately and wash before reuse. Medical attention is necessary.

After eye contact

In case of eye contact, rinse eyes with water for a sufficient amount of time with eyelids open, then consult an ophthalmologist immediately.

After ingestion

If vomiting occurs, be aware of the risk of aspiration. Immediately rinse mouth and drink 1 glass of water.

4.2. Most important acute and delayed symptoms and effects

No information available.

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4.3. Indications for immediate medical attention or special treatment

Symptomatic treatment.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing

media

Foam. Dry powder. Carbon dioxide. Adapt extinguishing measures to the surroundings.

Unsuitable extinguishing media

No restrictions.

5.2. Special hazards arising from the substance or mixture

In case of fire, the following may be produced: Carbon monoxide, carbon dioxide. Sulfur oxides. Nitrogen oxides (NOx).

5.3. Firefighting instructions

Wear self-contained breathing apparatus and chemical protection suit. Full protective suit.

Additional information

Use water spray to protect people and cool containers in the danger zone. Knock down gases/vapors/mists with water spray. Collect contaminated extinguishing water separately. Do not allow to enter drains or waterways.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment, and emergency procedures

General information

Ensure adequate ventilation. Do not inhale gas/smoke/vapor/aerosol. Avoid contact with skin, eyes, and clothing. Use personal protective equipment.

6.2. Environmental protection measures

Do not allow to enter drains or waterways.

6.3. Methods and material for containment and cleaning

For cleaning

Absorb with liquid-binding material (sand, diatomaceous earth, acid binder, universal binder). Treat the absorbed material in accordance with the disposal section.

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

Notes on safe handling

When handling in an open environment, use devices with local exhaust ventilation. Do not inhale gas/smoke/vapor/aerosol.

Fire and explosion protection

Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking.

Information on general hygiene measures at the workplace

Remove contaminated, soaked clothing immediately. Create and follow a skin protection plan! Wash hands and face thoroughly before breaks and at the end of work, shower if necessary. Do not eat, drink, smoke, or sniff at the workplace.

7.2. Conditions for safe storage, taking into account incompatibilities

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Requirements for storage rooms and containers

Keep container tightly closed. Store under lock and key. Store in a place that is only accessible to authorized persons.
Ensure adequate ventilation and local exhaust ventilation at critical points.

Storage information

No special precautions necessary.

Storage class according to TRGS 510:10 (Flammable liquids that cannot be assigned to any of the above storage classes)

7.3. Specific end uses

Consult the supplier before any specific use.

SECTION 8: Exposure controls/personal protection

8.1. Parameters to be monitored

Additional information on limit values

No national limit values have been established to date.

8.2. Limitation and monitoring of exposure



Suitable technical control equipment

When handling in the open, use local exhaust ventilation. Do not breathe gas/fumes/vapor/aerosol.

Individual protection measures, for example personal protective equipment

Eye/face protection

Suitable eye protection: safety goggles.

Hand protection

Approved protective gloves must be worn:

Recommended glove brands:

Neoprene. Butyl rubber. NR (natural rubber, natural latex).

Chemical protective gloves must be selected for the specific workplace depending on the concentration and quantity of hazardous substances. It is recommended to check the chemical resistance of the above-mentioned protective gloves for specific applications with the glove manufacturer.

Body protection

Use of protective clothing.

Respiratory protection

Wear respiratory protection if ventilation is inadequate.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Liquid
Color:	Red
Odor:	Mild
Odor threshold:	No data available

Melting point/freezing point: Boiling point
or initial boiling point and boiling range:
Flammability:

Test standard

Not determined
> 148.9 °C

Not determined

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Lower explosion limit:	Not determined
Upper explosion limit:	Not determined
Flash point:	> 93.3 °C closed cup
Ignition temperature:	Not determined
Decomposition temperature:	Not determined
pH value:	Not determined
Kinematic viscosity:	Not determined
Water solubility:	Slightly soluble
Solubility in other solvents	
Not determined	
Partition coefficient n-octanol/water: Vapor pressure:	Not determined
(at 26.7 °C)	< 6.6661 hPa
Density:	1.1 g/cm
Relative vapor density:	Not determined
Particle properties:	Not applicable

9.2. Other information

Information on physical hazard classes

Explosion hazards

The product is not: Explosive.

Oxidizing properties

The product is not: oxidizing.

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reactions occur when handled and stored as intended.

10.2. Chemical stability

The product is stable when stored at normal ambient temperatures.

10.3. Possibility of hazardous reactions

No dangerous reactions are known.

10.4. Conditions to avoid

None

10.5. Incompatible materials

Strong oxidizing agents. Strong acids. Copper. Iron. Strong reducing agents

10.6. Hazardous decomposition products

Decomposition products in case of fire: see Section 5.

SECTION 11: Toxicological information

11.1. Information on hazard classes within the meaning of Regulation (EC) No.

1272/2008 Acute toxicity

Based on the available data, the classification criteria are not met.

ATEmix calculated

ATE (oral) > 5000 mg/kg; ATE (dermal) > 5000 mg/kg; ATE (inhalation vapor) > 50 mg/l; ATE (inhalation dust/mist) > 12.5 mg/l

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CAS No.	Designation				
	Route of exposure	Dose	Species	Source	Method
80-15-9	alpha,alpha-dimethylbenzyl hydroperoxide; cumene hydroperoxide				
	oral	LD50 382 mg/kg	Rat	IUCLID	
	dermal	ATE 1100 mg/kg			
	inhalation vapor	ATE 3			
	inhalation dust/mist	ATE 0.5 mg/l			

Irritant and corrosive effect

Corrosive effect on skin/skin irritation: Causes skin irritation.
Serious eye damage/eye irritation: Causes serious eye irritation.

Sensitizing effects

May cause allergic skin reactions. (2-Butenedioic acid (2E)-, polymer with
.alpha.,.alpha.'-(methylethylidene)di-4,1-phenylene)bis(.omega.-hydroxypoly(oxy(methyl-1,2-et)

Carcinogenic, mutagenic, and toxic to reproduction effects Germ cell mutagenicity: Based on available data, the classification criteria are not met. Carcinogenicity: Based on 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 after single exposure

May irritate the respiratory tract. (Methacrylic acid, diester with polyethylene glycol; alpha,alpha-dimethylbenzyl hydroperoxide; cumene hydroperoxide)

Specific target organ toxicity after repeated exposure

Based on the available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

11.2. Information on other hazards

Endocrine-disrupting properties

See Section 12

SECTION 12: Environmental information

12.1. Toxicity

Based on the available data, the classification criteria are not met.

12.2. Persistence and degradability

The product has not been tested.

12.3. Bioaccumulative potential

The product has not been tested.

12.4. Mobility in soil

The product has not been tested.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, Annex XIII. The product has not been tested.

12.6. Endocrine-disrupting properties

This product does not contain any substances that exhibit endocrine properties in non-target organisms, as no ingredient meets the criteria.

12.7. Other harmful effects

No information is available.

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Further information

Do not allow to enter drains or waterways. Do not allow to enter the ground/soil.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Recommendations for disposal

Do not allow to enter the sewage system or waterways. Do not allow to enter the subsoil/soil. Dispose of in accordance with official regulations.

The assignment of waste code numbers/waste designations must be carried out in accordance with EAKV (German Waste Management Code) on an industry- and process-specific basis.

Disposal of uncleaned packaging and recommended cleaning agents

Uncontaminated and completely emptied packaging can be recycled. Contaminated packaging must be treated in the same way as the substance.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number or ID number: Not classified as dangerous goods under these transport regulations.

14.2. Proper UN shipping name: Not classified as dangerous goods under these transport regulations.

14.3. Transport hazard classes: Not classified as dangerous goods under these transport regulations.

14.4. Packaging group: Not classified as dangerous goods under these transport regulations.

Inland waterway transport (ADN)

Other relevant information for inland waterway transport

Not classified as dangerous goods under these transport regulations.

Sea transport (IMDG)

Other relevant information for sea transport

Not classified as dangerous goods under these transport regulations.

Air transport (ICAO-TI/IATA-DGR)

Other relevant information for air transport

Not classified as dangerous goods under these transport regulations.

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for the user

Not classified as dangerous goods under these transport regulations.

14.7. Bulk transport by sea in accordance with IMO instruments

Not classified as dangerous goods under these transport regulations.

SECTION 15: Regulatory information

15.1. Safety, health, and environmental regulations/specific legal provisions for the substance or mixture

EU regulations

Restrictions on use (REACH, Annex XVII): Entry 3, Entry 75

Directive 2010/75/EU on industrial emissions: 0.05

Directive 2004/42/EC on VOCs from paints and varnishes: 1.55

Information on the SEVESO III Directive 2012/18/EU: Not subject to the SEVESO III Directive

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National regulations

Employment restrictions: Observe employment restrictions for young people (Section 22 JArbSchG).

Water hazard class: Status: 3 - highly hazardous to water

Skin absorption/sensitization: Classification of mixtures according to Annex 1, No. 5 AwSV

Causes allergic hypersensitivity reactions.

15.2. Substance safety assessment

No substance safety assessments have been carried out for substances in this mixture.

SECTION 16: Other information

Changes

Complete revision

Abbreviations and acronyms

Org. Perox

Acute Tox: Acute toxicity

Skin Corr: Skin corrosion Skin Irrit: Skin
irritation

Eye Irrit: Eye irritation

Skin Sens: Skin sensitization

STOT SE: Specific target organ toxicity (single exposure) STOT RE:

Specific target organ toxicity (repeated exposure) Aquatic Chronic:

Chronic aquatic hazard

CLP: Classification, labeling, and packaging

REACH: Registration, Evaluation and Authorization of Chemicals

GHS: Globally Harmonized System of Classification, Labeling, and Packaging of Chemicals UN:
United Nations

EC/EEC: European Community/European Economic Community EU: European
Union

CAS: Chemical Abstracts Service

DNEL: Derived No Effect Level DMEL:

Derived Minimal Effect Level

PNEC: Predicted No Effect Concentration ATE:

Acute toxicity estimate

LC50: Lethal concentration, 50% LD50:

Lethal dose, 50%

LL50: Lethal loading, 50% EL50:

Effect loading, 50%

EC50: Effective Concentration 50%

ErC50: Effective Concentration 50%, growth rate

NOEC: No Observed Effect Concentration

BCF: Bio-concentration factor

PBT: persistent, bioaccumulative, toxic vPvB:

very persistent, very bioaccumulative M-

factor: multiplication factor

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

RID: Regulations concerning the international carriage of dangerous goods by rail MARPOL:

International Convention for the Prevention of Marine Pollution from Ships

IBC: Intermediate bulk container

VOC: volatile organic compound SVHC: Substance of Very High
Concern

For abbreviations and acronyms, see ECHA: Guidance on information requirements and chemical safety assessment, Chapter
R.20 (List of terms and abbreviations).

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Classification of mixtures and assessment method used in accordance with Regulation (EC) No. 1272/2008 [CLP]

Classification	Classification procedure
Skin Irrit. 2; H315	Calculation method
Eye Irrit. 2; H319	Calculation method
Skin Sens. 1; H317	Calculation method
STOT SE 3; H335	Calculation method

Wording of H and EUH statements (number and full text)

H242	Heating may cause fire.	
H302	Harmful if swallowed.	
H312	Harmful in contact with skin.	
H314	Causes severe skin burns and serious eye damage.	H315 Causes
skin irritation.		
H317	May cause an allergic skin reaction.	
H319	Causes serious eye irritation.	
H331	Toxic if inhaled.	
H335	May cause respiratory irritation.	
H373	May cause damage to organs through prolonged or repeated exposure.	
H411	Toxic to aquatic life with long-lasting effects.	

Further information

The information is based on our current knowledge, but does not constitute a guarantee of product properties and does not establish a contractual legal relationship. Existing laws and regulations must be observed by the recipient of our products on their own responsibility.

Preparation of the safety data sheet:

REACH ChemConsult GmbH, Strehleener Str. 14, D-01069 Dresden
info@reach-chemconsult.com

(The data for the relevant components was taken from the latest valid safety data sheet provided by the upstream supplier.)