

Ramsauer GmbH & Co KG  
5350 Strobl / Wolfgangsee

Date printed 03.04.2024, Revision 03.04.2024

Version 4.0. Supersedes version: 2.0

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

### 1.1 Product identifier

**Anker Kleber 680, Comp. B**

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

#### 1.2.1 Relevant uses

Adhesive

#### 1.2.2 Uses advised against

None known.

### 1.3 Details of the supplier of the safety data sheet

#### Company

Ramsauer GmbH & Co KG  
Alte Bundesstraße 147  
5350 Strobl / Wolfgangsee / AUSTRIA  
Phone +43 (0)6135 8205 0  
Fax +43 (0)6135 8205-250  
Homepage [www.ramsauer.eu](http://www.ramsauer.eu)  
E-mail [office@ramsauer.eu](mailto:office@ramsauer.eu)

#### Address enquiries to

#### Technical information

[office@ramsauer.eu](mailto:office@ramsauer.eu)

#### Safety Data Sheet

[sdb@chemiebuero.de](mailto:sdb@chemiebuero.de) (No dispatch of safety data sheets)

Safety data sheets are available from the supplier.

### 1.4 Emergency telephone number

#### Advisory body

+43 (0) 1 406 43 43 (24h)

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture [REGULATION (EC) No 1272/2008]

Skin Sens. 1: H317 May cause an allergic skin reaction.  
Eye Irrit. 2: H319 Causes serious eye irritation.

### 2.2 Label elements

The product is required to be labelled in accordance with regulation CLP.

#### Hazard pictograms



#### Signal word

WARNING

#### Contains:

Dibenzoyl peroxide

#### Hazard statements

H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.

#### Precautionary statements

P280 Wear protective gloves / eye protection / face protection.  
P363 Wash contaminated clothing before reuse.  
P501 Dispose of contents/container in accordance with local/national regulation.

### 2.3 Other hazards

#### Environmental hazards

Does not contain any PBT or vPvB substances.  
Contains no ingredients with endocrine-disrupting properties.

#### Other hazards

Further hazards were not determined with the current level of knowledge.

## SECTION 3: Composition / Information on ingredients

### 3.1 Substances

not applicable

### 3.2 Mixtures

The product is a mixture.

Range [%]	Substance
50 - <80	Quartz (SiO <sub>2</sub> ) CAS: 14808-60-7, EINECS/ELINCS: 238-878-4
10 - <20	Dibenzoyl peroxide CAS: 94-36-0, EINECS/ELINCS: 202-327-6, EU-INDEX: 617-008-00-0, Reg-No.: 01-2119511472-50-XXXX GHS/CLP: Org. Perox. B: H241 - Skin Sens. 1: H317 - Eye Irrit. 2: H319 - Aquatic Acute 1: H400 - Aquatic Chronic 1: H410, M-Factor (acute): 10, M-Factor (chronic): 10

#### Comment on component parts

For full text of H-statements: see SECTION 16.  
The quartz in this preparation is not available on foreseeable use.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

<b>General information</b>	Take off contaminated clothing and wash before reuse.
<b>Inhalation</b>	Ensure supply of fresh air. In the event of symptoms seek medical treatment.
<b>Skin contact</b>	In case of contact with skin wash off immediately with soap and water. Consult a doctor if skin irritation persists.
<b>Eye contact</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
<b>Ingestion</b>	Get medical advice. Rinse out mouth and give plenty of water to drink.

### 4.2 Most important symptoms and effects, both acute and delayed

Allergic reactions  
Irritant effects

### 4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## SECTION 5: Fire-fighting measures

### 5.1 Extinguishing media

<b>Suitable extinguishing media</b>	Carbon dioxide. Dry powder. Water spray jet.
<b>Extinguishing media that must not be used</b>	Full water jet Foam.

### 5.2 Special hazards arising from the substance or mixture

In the event of fire the following can be released:  
Carbon monoxide (CO)

### 5.3 Advice for firefighters

Do not inhale explosion and/or combustion gases.  
Use self-contained breathing apparatus.  
Fire residues must be disposed of in accordance within the local regulations.

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## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.  
Use personal protective equipment (protective gloves, safety glasses, protective clothing).  
High risk of slipping due to leakage/spillage of product.  
Keep away from all sources of ignition.

### 6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater.  
In case the product spills into drains/surface waters/groundwater, immediately inform the authorities.

### 6.3 Methods and material for containment and cleaning up

Take up mechanically.  
Take up residues with absorbent material (e.g. sand, sawdust, general purpose binder, diatomaceous earth).  
Dispose of absorbed material in accordance within the regulations.

### 6.4 Reference to other sections

See SECTION 8+13

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Use only in well-ventilated areas.  
Keep away from all sources of ignition - Refrain from smoking.  
Take off contaminated clothing and wash before reuse.  
Do not eat, drink, smoke or take drugs at work.  
Wash hands before breaks and after work.  
Use barrier skin cream.

### 7.2 Conditions for safe storage, including any incompatibilities

Keep only in original container.  
Prevent penetration into the ground.  
Do not store together with food and animal food/diet.  
Keep container in a well-ventilated place.  
Keep container tightly closed.  
Keep in a cool place. Store in a dry place.  
Store in a dark place.  
Protect from atmospheric moisture and water.  
Recommended storage temperature: 5°C - 30°C

storage class (TRGS 510)

Storage class 10 - 13 (VCI)

### 7.3 Specific end use(s)

See product use, SECTION 1.2

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## SECTION 8: Exposure controls / personal protection

### 8.1 Control parameters

#### Ingredients with occupational exposure limits to be monitored DE (TRGS 900)

Substance
Dibenzoyl peroxide
CAS: 94-36-0, EINECS/ELINCS: 202-327-6, EU-INDEX: 617-008-00-0, Reg-No.: 01-2119511472-50-XXXX
Exposure limit: 5 mg/m <sup>3</sup> , E, DFG
Factor: 1(l)

#### Ingredients with occupational exposure limits to be monitored EU (2004/37/EG)

not relevant

#### DNEL

Substance
Dibenzoyl peroxide, CAS: 94-36-0
Industrial, inhalative, Long-term - systemic effects, 39 mg/m <sup>3</sup>
Industrial, dermal, Long-term - systemic effects, 13,3 mg/kg bw/day
Industrial, dermal, Long-term - local effects, 34 µg/cm <sup>2</sup>
general population, oral, Long-term - systemic effects, 2 mg/kg bw/day
general population, inhalative, Long-term - systemic effects, 2,9 mg/m <sup>3</sup>

#### PNEC

Substance
Dibenzoyl peroxide, CAS: 94-36-0
seawater, 0,002 µg/L
freshwater, 0,02 µg/L
sewage treatment plants (STP), 0,35 mg/l
sediment (freshwater), 0,013 mg/kg
soil, 0,003 mg/kg soil dw
sediment (seawater), 0,001 mg/kg

### 8.2 Exposure controls

<b>Additional advice on system design</b>	Ensure adequate ventilation on workstation. Measurement methods for taking workplace measurements must meet the performance requirements of DIN EN 482. For example, recommendations are given in the IFA's list of hazardous substances.
<b>Eye protection</b>	Tightly fitting goggles. (EN 166:2001)
<b>Hand protection</b>	The details concerned are recommendations. Please contact the glove supplier for further information. >0,7 mm Butyl rubber, >480 min (EN 374-1/-2/-3).
<b>Skin protection</b>	Protective clothing (EN 340)
<b>Other</b>	Avoid contact with eyes and skin. Do not inhale gases/vapours/aerosols. Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity handled. The resistance of this equipment to chemicals should be ascertained with the respective supplier.
<b>Respiratory protection</b>	In the event of occupational exposure limits being exceeded or of inadequate ventilation: wear appropriate respiratory protection. Short term: filter apparatus, combination filter A-P2. (DIN EN 14387)
<b>Thermal hazards</b>	not applicable
<b>Delimitation and monitoring of the environmental exposition</b>	Protect the environment by applying appropriate control measures to prevent or limit emissions.

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## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical state	solid
Form	pasty
Color	black
Odor	characteristic
Odour threshold	not determined
pH-value	not applicable
pH-value [1%]	not applicable
Boiling point or initial boiling point and boiling range [°C]	not determined
Flash point [°C]	not determined
Flammability	not determined
Lower explosion limit	not determined
Upper explosion limit	not determined
Oxidising properties	Active oxygen content < 1% No classification.
Vapour pressure/gas pressure [kPa]	not determined
Density [g/cm <sup>3</sup> ]	1,5 - 1,7
Relative density	not determined
Bulk density [kg/m <sup>3</sup> ]	not applicable
Solubility in water	insoluble
Solubility other solvents	No information available.
Partition coefficient n-octanol/water (log value)	not determined
Kinematic viscosity	not determined
Relative vapour density	not determined
Melting point [°C]	not determined
Auto-ignition temperature [°C]	not determined
Decomposition temperature [°C]	not determined
Particle characteristics	No information available.

### 9.2 Other information

No information available.

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

See SECTION 10.3.

### 10.2 Chemical stability

Stable under normal ambient conditions (ambient temperature).

### 10.3 Possibility of hazardous reactions

Reactions with oxidizing agents.

### 10.4 Conditions to avoid

Strong heating.  
See SECTION 7.2.

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#### 10.5 Incompatible materials

Strong oxidizing agent.

#### 10.6 Hazardous decomposition products

No hazardous decomposition products known.

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## SECTION 11: Toxicological information

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

**Acute oral toxicity** Based on available data, the classification criteria are not met.

Product

oral, Based on the available information, the classification criteria are not fulfilled.

Substance

Dibenzoyl peroxide, CAS: 94-36-0

LD50, oral, Rat, >= 5000 mg/kg

**Acute dermal toxicity** Based on available data, the classification criteria are not met.

Product

dermal, Based on the available information, the classification criteria are not fulfilled.

**Acute inhalational toxicity** Based on available data, the classification criteria are not met.

Product

inhalative, Based on the available information, the classification criteria are not fulfilled.

Substance

Dibenzoyl peroxide, CAS: 94-36-0

LC0, inhalative, Rat, 24,3 mg/L air (4h)

**Serious eye damage/irritation** Irritant

Substance

Dibenzoyl peroxide, CAS: 94-36-0

Eye, Rabbit, In vivo study, irritant

**Skin corrosion/irritation** Based on available data, the classification criteria are not met.

Substance

Dibenzoyl peroxide, CAS: 94-36-0

dermal, Rabbit, OECD 404, non-irritating

**Respiratory or skin sensitisation** May cause an allergic skin reaction.

Substance

Dibenzoyl peroxide, CAS: 94-36-0

dermal, mouse, OECD 429, sensitising

**Specific target organ toxicity — single exposure** Based on available data, the classification criteria are not met.

**Specific target organ toxicity — repeated exposure** Based on available data, the classification criteria are not met.

Substance

Dibenzoyl peroxide, CAS: 94-36-0

NOAEL, oral, Rat, 200 mg/kg bw/day, In vivo study, adverse effect observed

NOAEL, dermal, mouse, 833 mg/kg bw/day, In vivo study, no adverse effect observed

**Mutagenicity** Does not contain a relevant substance that meets the classification criteria.

**Reproduction toxicity** Does not contain a relevant substance that meets the classification criteria.

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**- Fertility**

Substance
Dibenzoyl peroxide, CAS: 94-36-0
Based on the available information, the classification criteria are not fulfilled., OECD 414

**- Development**

Substance
Dibenzoyl peroxide, CAS: 94-36-0
Based on the available information, the classification criteria are not fulfilled., OECD 414

**Carcinogenicity**

Does not contain a relevant substance that meets the classification criteria.

Substance
Dibenzoyl peroxide, CAS: 94-36-0
oral, Rat, In vivo study, no adverse effect observed
dermal, Rat, OECD 451, no adverse effect observed

**Aspiration hazard**

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

**General remarks**

Toxicological data of complete product are not available.

**11.2 Information on other hazards**

**11.2.1 Endocrine disrupting properties**

Contains no ingredients with endocrine-disrupting properties.

**11.2.2 Other information**

none

**SECTION 12: Ecological information**

**12.1 Toxicity**

Product
LC50, (96h), fish, > 100 mg/l (OECD 203)
EC50, (48h), Daphnia magna, > 100 mg/l (OECD 202)
EC50, (72h), Pseudokirchneriella subcapitata, > 100 mg/l (OECD 201)
NOEC, (28d), fish, > 100 mg/l (OECD 215)

Substance
Dibenzoyl peroxide, CAS: 94-36-0
LC50, (96h), Oncorhynchus mykiss, 0,0602 mg/l (OECD 203)
LC50, (96h), fish, 1,7-2,4 mg/l (OECD 203)
EC50, (48h), Daphnia magna, 2,91 mg/l (OECD 202)
EC50, (48h), Daphnia magna, 0,11 mg/l (OECD 202)
EC50, (72h), Pseudokirchneriella subcapitata, 0,0711 mg/l (OECD 201)
NOEC, (48h), Daphnia magna, 1,99 mg/l

**12.2 Persistence and degradability**

**Behaviour in environment compartments**

not determined

**Behaviour in sewage plant**

not determined

**Biological degradability**

not determined



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### 12.3 Bioaccumulative potential

not determined

### 12.4 Mobility in soil

not applicable

### 12.5 Results of PBT and vPvB assessment

Based on all available information not to be classified as PBT or vPvB respectively.

### 12.6 Endocrine disrupting properties

Contains no ingredients with endocrine-disrupting properties.

### 12.7 Other adverse effects

Ecological data of complete product are not available.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue (EWC) since it is only possible to classify it according to how it is used by the customer. The waste code is to be determined within the EU in liaison with the waste-disposal operator.

#### Product

Coordinate disposal with the disposal contractor/authorities if necessary.  
Dispose of as hazardous waste.

**Waste no. (recommended)** 080409\*

#### Contaminated packaging

Untaminated packaging may be taken for recycling.  
Packaging that cannot be cleaned should be disposed of as for product.

**Waste no. (recommended)** 150110\* packaging containing residues of or contaminated by hazardous substances  
150102

## SECTION 14: Transport information

### 14.1 UN number or ID number

**Transport by land according to ADR/RID** not applicable

**Inland navigation (ADN)** not applicable

**Marine transport in accordance with IMDG** not applicable

**Air transport in accordance with IATA** not applicable

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#### 14.2 UN proper shipping name

Transport by land according to ADR/RID NO DANGEROUS GOODS

Inland navigation (ADN) NO DANGEROUS GOODS

Marine transport in accordance with IMDG NOT CLASSIFIED AS "DANGEROUS GOODS"

Air transport in accordance with IATA NOT CLASSIFIED AS "DANGEROUS GOODS"

#### 14.3 Transport hazard class(es)

Transport by land according to ADR/RID not applicable

Inland navigation (ADN) not applicable

Marine transport in accordance with IMDG not applicable

Air transport in accordance with IATA not applicable

#### 14.4 Packing group

Transport by land according to ADR/RID not applicable

Inland navigation (ADN) not applicable

Marine transport in accordance with IMDG not applicable

Air transport in accordance with IATA not applicable

#### 14.5 Environmental hazards

Transport by land according to ADR/RID no

Inland navigation (ADN) no

Marine transport in accordance with IMDG no

Air transport in accordance with IATA no

#### 14.6 Special precautions for user

Relevant information under SECTION 6 to 8.

#### 14.7 Maritime transport in bulk according to IMO instruments

not applicable

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## SECTION 15: Regulatory information

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

<b>EEC-REGULATIONS</b>	2008/98/EG (2000/532/EC ); 2010/75/EU; 2004/42/EG; (EG) 648/2004; (EC) 1907/2006 (REACH); (EU) 1272/2008; 75/324/EWG ((EC) 2016/2037); (EU) 2020/878; (EU) 2016/131; (EU) 517/2014; (EU) 2019/1148; (EU) 2019/1021, (EU) 2023/707
- <b>Comment on component parts</b>	Substances of Very High Concern - SVHC: substances are not contained or are below 0.1%.
- <b>Annex I (REACH)</b>	The product is not subject to Annex I restrictions.
- <b>Annex XIV (REACH)</b>	According to Annex XIV of Regulation (EC) 1907/2006 (REACH) the product does not contain any substances $\geq$ 0.1% that are subject to authorisation.
- <b>Annex XVII (REACH)</b>	According to Annex XVII of Regulation (EC) 1907/2006 (REACH) the product contains $\geq$ 0.1% of substances with the following restrictions. 75 According to Annex XVII of Regulation (EC) 1907/2006 (REACH) the product is not subject to any restrictions.
<b>TRANSPORT-REGULATIONS</b>	ADR (2023); IMDG-Code (2023, 41. Amdt.); IATA-DGR (2024)
<b>NATIONAL REGULATIONS (DE):</b>	Hazardous Substances Ordinance - GefStoffV 21.07.2021; Detergent and Cleaning Agents Act - WRMG; Federal Water Act - WHG; Technical Rule for Hazardous Substances - TRGS: 200, 220, 615, 900, 905.
- <b>Water hazard class</b>	2, conf. AwSV, 18.04.2017
- <b>Decree for case of interference, observe limits</b>	not applicable
- <b>Class. according to TA-Luft</b>	5.2.5.
<b>Storage class (TRGS 510)</b>	Storage class 10 - 13 (VCI)
- <b>Observe employment restrictions for people</b>	Observe employment restrictions for young people.
- <b>VOC (2010/75/CE)</b>	0 %
- <b>Other regulations</b>	DGUV Information 213-070: Säuren und Laugen (Merkblatt M 004 der Reihe „Gefahrstoffe“) TRGS 510: Storage of hazardous substances in non-stationary containers TRGS 907: Verzeichnis sensibilisierender Stoffe.

### 15.2 Chemical safety assessment

not applicable

## SECTION 16: Other information

### 16.1 Hazard statements (SECTION 3)

H410 Very toxic to aquatic life with long lasting effects.  
H400 Very toxic to aquatic life.  
H319 Causes serious eye irritation.  
H317 May cause an allergic skin reaction.  
H241 Heating may cause a fire or explosion.

## 16.2 Abbreviations and acronyms:

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route  
RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses  
ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure  
ATE = acute toxicity estimate  
CAS = Chemical Abstracts Service  
CLP = Classification, Labelling and Packaging  
DMEL = Derived Minimum Effect Level  
DNEL = Derived No Effect Level  
EC50 = Median effective concentration  
ECB = European Chemicals Bureau  
EEC = European Economic Community  
EINECS = European Inventory of Existing Commercial Chemical Substances  
EL50 = Median effective loading  
ELINCS = European List of Notified Chemical Substances  
EmS = Emergency Schedules  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
IATA = International Air Transport Association  
IBC-Code = International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk  
IC50 = Inhibition concentration, 50%  
IMDG = International Maritime Code for Dangerous Goods  
IUCLID = International Uniform Chemical Information Database  
IVIS = In vitro irritation score  
LC50 = Lethal concentration, 50%  
LD50 = Median lethal dose  
LC0 = lethal concentration, 0%  
LOAEL = lowest-observed-adverse-effect level  
LL50 = Median lethal loading  
LQ = Limited Quantities  
MARPOL = International Convention for the Prevention of Marine Pollution from Ships  
NOAEL = No Observed Adverse Effect Level  
NOEC = No Observed Effect Concentration  
PBT = Persistent, Bioaccumulative and Toxic substance  
PNEC = Predicted No-Effect Concentration  
REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals  
STP = Sewage Treatment Plant  
TLV@TWA = Threshold limit value – time-weighted average  
TLV@STEL = Threshold limit value – short-time exposure limit  
VOC = Volatile Organic Compounds  
vPvB = very Persistent and very Bioaccumulative

## 16.3 Other information

### Classification procedure

Skin Sens. 1: H317 May cause an allergic skin reaction. (Calculation method)  
Eye Irrit. 2: H319 Causes serious eye irritation. (Calculation method)

### Modified position

1.3, 3.2, 8.1, 9.1, 11.1, 11.2, 12.6, 12.7, 15.1, 16.2, 16.3

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