# Baier + Köppel GmbH + Co. KG

# 91257 Pegnitz

Date printed 31.01.2018, Revision 31.01.2018



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

#### 1.1 Product identifier

#### Meisselpaste

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

#### 1.2.1 Relevant uses

Grease

1.2.2 Uses advised against

None known.

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

Company Baier + Köppel GmbH + Co. KG

Beethovenstrasse 14 91257 Pegnitz / GERMANY Phone +49 (0)9241 729-0 Fax +49 (0)9241 729-50 Homepage www.beka-lube.de E-mail beka@beka-lube.de

Address enquiries to

Technical informationbeka@beka-lube.deSafety Data Sheetsdb@chemiebuero.de

1.4 Emergency telephone number

**Advisory body** +49 (0)89-19240 (24h) (english)

#### **SECTION 2: Hazards identification**

#### 2.1 Classification of the substance or mixture

No classification.

2.2 Label elements

The product is required to be labelled in accordance with regulation (EC) No 1272/2008 (CLP).

**Hazard pictograms** 

Hazard statements none

**Special labelling** EUH210 Safety data sheet available on request.

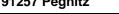
Contains: Benzenesulfonic acid, di-C10-14 alkyl derivs., calcium salts. EUH208 May produce

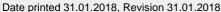
an allergic reaction.

2.3 Other hazards

**Environmental hazards** Does not contain any PBT or vPvB substances.

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







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#### **SECTION 3: Composition / Information on ingredients**

#### Product-type:

The product is a mixture.

Range [%]	Substance
1 - < 10	Polysulfides, di-tert-dodecyl
	CAS: 68425-15-0, EINECS/ELINCS: 270-335-7
	GHS/CLP: Aquatic Chronic 4: H413
1 - < 10	Copper
	CAS: 7440-50-8, EINECS/ELINCS: 231-159-6, Reg-No.: 01-2119480154-42-XXXX
	GHS/CLP: Aquatic Acute 1: H400 - Aquatic Chronic 2: H411 - Acute Tox. 4: H302, M = 10
1 - < 10	Benzenesulfonic acid, di-C10-14 alkyl derivs., calcium salts
	EINECS/ELINCS: 939-603-7
	GHS/CLP: Skin Sens. 1B: H317

Comment on component parts

Substances of Very High Concern - SVHC: substances are not contained or are below 0.1%.

For full text of H-statements: see SECTION 16.

#### **SECTION 4: First aid measures**

#### Description of first aid measures

**General information** Take off contaminated clothing and wash before reuse.

Inhalation Ensure supply of fresh air.

In the event of symptoms seek medical treatment.

When in contact with the skin, clean with soap and water. Skin contact

Consult a doctor if skin irritation persists.

Eye contact 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.

Ingestion Seek medical advice immediately.

Do not induce vomiting.

Rinse out mouth and give plenty of water to drink.

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

Irritant effects

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

Treat symptomatically.

#### SECTION 5: Fire-fighting measures

#### Extinguishing media

Suitable extinguishing media foam, dry powder, water spray jet, carbon dioxide

Extinguishing media that must not

be used

Full water jet.

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

Risk of formation of toxic pyrolysis products.

#### Advice for firefighters

Do not inhale explosion and/or combustion gases.

Use self-contained breathing apparatus.

Fire residues and contaminated firefighting water must be disposed of in accordance within

the local regulations.

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#### SECTION 6: Accidental release measures

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

High risk of slipping due to leakage/spillage of product.

Forms slippery surfaces with water.

#### **Environmental precautions**

Do not discharge into the drains/surface waters/groundwater.

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

Take up mechanically.

Dispose of absorbed material in accordance within the regulations.

#### Reference to other sections

See SECTION 8+13

#### SECTION 7: Handling and storage

#### Precautions for safe handling

The normal safety precautions for handling chemicals must be observed.

Use only in well-ventilated areas.

Wash hands before breaks and after work.

Use barrier skin cream.

Do not eat, drink, smoke or take drugs at work.

Take off contaminated clothing and wash before reuse.

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

Keep only in original container.

Prevent penetration into the ground.

Do not store together with oxidizing agents.

Do not store together with food and animal food/diet.

Keep container tightly closed.

Protect from heat/overheating.

Keep away from frost.

Recommended storage temperature: 5°C - 40°C

#### Specific end use(s) 7.3

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 (GB)

, so monitor (62)
Substance
Copper
CAS: 7440-50-8, EINECS/ELINCS: 231-159-6, Reg-No.: 01-2119480154-42-XXXX
Long-term exposure: 1 mg/m³, dusts and mists (as Cu), 0,2mg/m³* (fume)
Short-term exposure (15-minute): 2 mg/m³
Mineral oil

Long-term exposure: 5 mg/m³, Oil mist, 84

#### **DNEL**

Substance	
Copper, CAS: 7440-50-8	
Industrial, inhalative, Acute - local effects: 1 mg/m³.	
Industrial, inhalative, Long-term - local effects: 1 mg/m³.	
Industrial, dermal, Acute - local effects: 273 mg/kg bw/day.	
Industrial, dermal, Long-term - systemic effects: 137 mg/kg bw/day.	
general population, inhalative, Acute - local effects: 1 mg/m³.	
general population, inhalative, Long-term - local effects: 1 mg/m³.	
general population, oral, Long-term - systemic effects: 0,041 mg/kg bw/day.	
general population, dermal, Acute - local effects: 273 mg/kg bw/day.	
general population, dermal, Long-term - systemic effects: 137 mg/kg bw/day.	

#### **PNEC**

Copper, CAS: 7440-50-8
soil, 65 mg/kg.
ediment (seaater), 676 mg/kg.
ediment (freshwater), 87 mg/kg.
ewage treatment plants (STP), 230 μg/L.
seawater, 5,2 μg/L.
reshwater, 7,8 μg/L.

Substance

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#### 8.2 Exposure controls

Additional advice on system design 
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.

**Eye protection** Safety glasses. (EN 166:2001)

**Hand protection** 0,4mm Butyl rubber, >120 min (EN 374-1/-2/-3).

The details concerned are recommendations. Please contact the glove supplier for further

information.

**Skin protection** Protective clothing.

Other Avoid contact with eyes and skin.

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.

**Respiratory protection** Not required under normal conditions.

Thermal hazards none

Delimitation and monitoring of the

environmental exposition

Protect the environment by applying appropriate control measures to prevent or limit

emissions.

#### SECTION 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

**Form** pastv Color various Odor characteristic Odour threshold not applicable pH-value not applicable not applicable pH-value [1%] Boiling point [°C] > 250> 250 Flash point [°C]

Flammability (solid, gas) [°C] not applicable
Lower explosion limit not applicable
Upper explosion limit not applicable

Oxidising properties no

Vapour pressure/gas pressure [kPa] not determined

**Density [g/ml]** 0,96 (DIN 5 1757) (20 °C / 68,0 °F)

Bulk density [kg/m³] not applicable

Solubility in water virtually insoluble

Partition coefficient [n-octanol/water] not determined

Viscosity not determined

Relative vapour density determined not determined

in air

Evaporation speed not determined

Melting point [°C] > 250

Autoignition temperature [°C] not self-igniting

Decomposition temperature [°C] not determined

9.2 Other information

none

# SECTION 10: Stability and reactivity

#### 10.1 Reactivity

No dangerous reactions known if used as directed.

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#### 10.2 Chemical stability

The product is stable under standard conditions.

#### 10.3 Possibility of hazardous reactions

Reactions with oxidizing agents.

#### 10.4 Conditions to avoid

See SECTION 7.2.

### 10.5 Incompatible materials

Oxidizing agent

#### 10.6 Hazardous decomposition products

No hazardous decomposition products known.



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#### **SECTION 11: Toxicological information**

#### 11.1 Information on toxicological effects

**Acute toxicity** 

Product	
ATE-mix, inhalative, > 20 mg/l 4h.	
ATE-mix, dermal, > 2000 mg/kg.	
ATE-mix, oral, > 2000 mg/kg.	

Substance
Polysulfides, di-tert-dodecyl, CAS: 68425-15-0
LD50, oral, Rat: ca. 20000 mg/kg bw (ECHA).
Copper, CAS: 7440-50-8
LD50, oral, Rat: > 300 - 2000 mg/kg.
LC50, inhalative, Rat: 1-5 mg/m³/4h.

Serious eye damage/irritation

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

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

Toxicological data of complete product are not available.

Skin corrosion/irritation

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

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

Toxicological data of complete product are not available.

**Respiratory or skin sensitisation** Based on the available information, the classification criteria are not fulfilled.

Toxicological data of complete product are not available.

No classification due to substance-specific concentration limits.

**Specific target organ toxicity** — Does not contain a relevant substance that meets the classification criteria. Based on the available information, the classification criteria are not fulfilled.

Toxicological data of complete product are not available.

**Specific target organ toxicity** — Does not contain a relevant substance that meets the classification criteria. Based on the available information, the classification criteria are not fulfilled.

Toxicological data of complete product are not available.

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

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

Toxicological data of complete product are not available.

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

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

Toxicological data of complete product are not available.

Carcinogenicity

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

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

Toxicological data of complete product are not available.

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

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

General remarks

none

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### SECTION 12: Ecological information

#### 12.1 Toxicity

Product
LC50, (96h), Brachidanio rerio: > 100 mg/L.
EC50, (72h), Desmodesmus subspicatus: > 100 mg/L.
EC50, (48h), Daphnia magna: > 100 mg/L.
NOEC, (72h), Desmodesmus subspicatus: > 100 mg/L.

, ( ),	
Substance	
Polysulfides, di-tert-dodecyl, CAS: 68425-15-0	
LC50, (96h), Danio rerio: >100 mg/L (ECHA).	
Copper, CAS: 7440-50-8	
LC50, Pimephales promelas: 0,0068-0,0156 mg/l.	
EC50, (72h), Pseudokirchneriella subcapitata: 0,0426-0,0535 mg/l.	
EC50, (48h), Daphnia magna: 0,03 mg/l.	
NOEC, (24h), Daphnia magna: 0,004 mg/l.	

### 12.2 Persistence and degradability

Behaviour in environment not determined compartments

Behaviour in sewage plant not determined

Behaviour in sewage plant not determined Biological degradability not determined

### 12.3 Bioaccumulative potential

Accumulation in organisms is not expected.

### 12.4 Mobility in soil

Spillages may penetrate the soil causing ground water contamination.

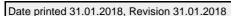
#### 12.5 Results of PBT and vPvB assessment

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

#### 12.6 Other adverse effects

None known.

No classification due to ecotoxicological investigations.





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#### **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 authorities if necessary.

Disposal in an incineration plant in accordance with the regulations of the local authorities.

Waste no. (recommended) 120112\* spent waxes and fats

Contaminated packaging

Uncontaminated packaging may be reused.

Packaging that cannot be cleaned should be disposed of as for product.

150110\* Waste no. (recommended) 150102

#### SECTION 14: Transport information

#### 14.1 UN 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

#### 14.2 UN proper shipping name

Transport by land according to

ADR/RID

NO DANGEROUS GOODS

Inland navigation (ADN) NO DANGEROUS GOODS

**IMDG** 

Marine transport in accordance with 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

not applicable

ADR/RID

Inland navigation (ADN) not applicable

Marine transport in accordance with not applicable

IMDG

Air transport in accordance with IATA not applicable

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#### 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** 

Air transport in accordance with IATA no

#### 14.6 Special precautions for user

Relevant information under SECTION 6 to 8.

#### 14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

not applicable

## SECTION 15: Regulatory information

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

**EEC-REGULATIONS** 1991/689 (2001/118); 2010/75; 2004/42; 648/2004; 1907/2006 (REACH); 1272/2008;

75/324/EEC (2008/47/EC); (EÚ) 2015/830; (EU) 2016/131; (EÚ) 517/2014

TRANSPORT-REGULATIONS DOT-Classification, ADR (2017); IMDG-Code (2017, 38. Amdt.); IATA-DGR (2018).

NATIONAL REGULATIONS (GB): EH40/2005 Workplace exposure limits (Second edition, published December 2011).

- Observe employment restrictions

for people

none

- VOC (2010/75/CE)

< 3%

#### 15.2 Chemical safety assessment

not applicable

#### SECTION 16: Other information

# 16.1 Hazard statements (SECTION 03)

H302 Harmful if swallowed.

H411 Toxic to aquatic life with long lasting effects.

H400 Very toxic to aquatic life.

H317 May cause an allergic skin reaction.

H413 May cause long lasting harmful effects to aquatic life.

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#### 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

ELINCS = European List of Notified Chemical Substances

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

LC50 = Lethal concentration, 50%

LD50 = Median lethal dose

LC0 = lethal concentration, 0%

LOAEL = lowest-observed-adverse-effect level

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

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**Modified position** 

SECTION 15 been added: EUH210 Safety data sheet available on request.

SECTION 2 deleted: WARNING

SECTION 2 deleted: P391 Collect spillage.

SECTION 2 deleted: H410 Very toxic to aquatic life with long lasting effects.

SECTION 2 deleted: Aquatic Chronic 3 SECTION 2 deleted: environment

SECTION 2 deleted: P273 Avoid release to the environment.

SECTION 2 deleted: Frequent persistent contact with the skin can cause skin irritation.

SECTION 2 deleted: Aquatic Acute 1

SECTION 14 deleted: Environmentally hazardous substance, solid, n.o.s. (Copper metal

powder)

SECTION 14 been added: no dangerous goods

SECTION 14 deleted: Environmentally hazardous substance, solid, n.o.s. (Copper metal

powder)

SECTION 14 been added: not classified as "Dangerous Goods"

SECTION 14 deleted: Environmentally hazardous substance, solid, n.o.s. (contains Copper

metal powder)

SECTION 14 been added: not classified as "Dangerous Goods"

SECTION 15 deleted: yes

SECTION 15 been added: 1, conf. AwSV, 18.04.2017

SECTION 15 been added: no

SECTION 15 deleted: 3, conf. AwSV, 18.04.2017

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