



AUTOL MEIßELPASTE

Material number 12650

Safety Data Sheet

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

Revision date: 17.4.2025
Version: 18.1
Replaces version: 18.0
Language: en-DE
Date of print: 12.5.2025

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

1.1 Product identifier

Trade name: AUTOL MEIßELPASTE

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

General use: Lubricant, Lubricating grease, release agent.

1.3 Details of the supplier of the safety data sheet

Company name: Enilive Schmiertechnik GmbH

Street/POB-No.: Paradiesstraße 14

Postal Code, city: 97080 Würzburg

Germany

E-mail: info.wuerzburg@enilive.com

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Department responsible for information:

Application Engineering & Product Management (AEPM)

Telephone: +49 (0)931-90098-0

E-mail: technik.wuerzburg@enilive.com

1.4 Emergency telephone number

GIZ-Nord, Göttingen

Telephone: +49 (0)551-19240

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to EC regulation 1272/2008 (CLP)

This mixture is classified as not hazardous.

2.2 Label elements

Labelling (CLP)

Hazard statements: not applicable

Precautionary statements: not applicable

Special labelling

EUH208 Contains Benzenesulfonic acid, di-C10-14-alkyl derivs., calcium salts with TBN <300 and Polysulfides, di-tert-dodecyl. May produce an allergic reaction.
EUH210 Safety data sheet available on request.



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2.3 Other hazards

Special danger of slipping by leaking/spilling product.

Endocrine disrupting properties, Results of PBT and vPvB assessment:

This product does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% (w/w) or higher. The product contains no components classified as PBT or as vPvB at concentrations of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.1 Substances: not applicable

3.2 Mixtures

Hazardous ingredients:

Identifiers	Designation Classification	Content
EC No. 231-159-6 CAS 7440-50-8	Copper flakes (coated with aliphatic acid) Acute Tox. 4; H302. Acute Tox. 3; H331. Eye Irrit. 2; H319. Aquatic Acute 1; H400. Aquatic Chronic 1; H410. Acute toxicity estimate (ATE): Oral: 500 mg/kg bw. Inhalative, dust/mist: 0,733 mg/L. M-factors: Aquatic Acute 1: M = 10. Aquatic Chronic 1: M = 10.	< 10 %
REACH 01-2119978241-36-xxxx list no. 939-603-7 CAS 1471316-72-9	Benzenesulfonic acid, di-C10-14-alkyl derivs., calcium salts with TBN <300 Skin Sens. 1B; H317. Specific concentration limits (SCL): Skin Sens. 1B; H317: C ≥ 10 %	< 5 %
REACH 01-2119540516-41-xxxx EC No. 270-335-7 CAS 68425-15-0	Polysulfides, di-tert-dodecyl Skin Sens. 1B; H317.	< 1 %

Full text of H- and EUH-statements: see section 16.

Additional information: Contains Graphite. The maximum workplace exposure limits are, where necessary, listed in section 8.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information: If medical advice is needed, have product container or label at hand. Take off contaminated clothing and wash it before reuse.
When in doubt or if symptoms are observed, get medical advice.

In case of inhalation: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Seek medical attention if problems persist.



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Following skin contact:	Immediately clean with water and soap followed by thorough rinsing. In case of skin reactions, consult a physician. If the product penetrates the skin under high pressure, call a physician immediately.
After eye contact:	Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing. In case of troubles or persistent symptoms, consult an ophthalmologist.
After swallowing:	Rinse mouth with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Seek medical attention.

4.2 Most important symptoms and effects, both acute and delayed

May cause allergic reactions in already sensitized persons.

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:

Foam, extinguishing powder, sand, carbon dioxide.
Co-ordinate fire-fighting measures to the fire surroundings.

Extinguishing media which must not be used for safety reasons:

Water.

5.2 Special hazards arising from the substance or mixture

May form dangerous gases and vapours in case of fire.
Furthermore, there may develop: Metallic oxides, sulphur oxides, carbon monoxide and carbon dioxide.

5.3 Advice for firefighters

Special protective equipment for firefighters:

Wear self-contained positive pressure breathing apparatus and full firefighting protective clothing.

Additional information:

Do not inhale explosion and combustion gases.
Cool exposed containers with water spray, but avoid contact of the substance with water.
Move undamaged containers from immediate hazard area if it can be done safely.
Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.
Fire residuals and contaminated extinguishing water must be disposed of in accordance with the regulations of the local authorities.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Do not breathe mist/vapours/spray. Provide adequate ventilation. Wear appropriate protective equipment.
Take off contaminated clothing and wash it before reuse. Avoid contact with skin, eyes, and clothing. Keep unprotected people away.



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6.2 Environmental precautions

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

6.3 Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents) and place in closed containers for disposal. Treat the recovered material as prescribed in the section on waste disposal.

Make sure spills can be contained, e.g. in sump pallets or kerbed areas.

Never return spills in original containers for re-use. Clean contaminated articles and floor according to the environmental legislation.

Retain contaminated washing water and dispose it.

Additional information: Special danger of slipping by leaking/spilling product.

6.4 Reference to other sections

Refer additionally to section 8 and 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advices on safe handling: Provide adequate ventilation, and local exhaust as needed. Do not breathe mist/vapours/spray. Wear appropriate protective equipment.
Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.
Do not get in eyes, on skin, or on clothing. Take off contaminated clothing and wash it before reuse. Have eye wash bottle or eye rinse ready at work place.

Precautions against fire and explosion:

Keep away from heat.

When handling larger quantities, take precautionary measures against electrostatic charging.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers:

Keep container tightly closed and in a well-ventilated place.

Keep container dry. Keep only in the original container.

Protect against heat, sun rays and frost. Store containers in upright position.

Storage temperature: 5 - 40 °C

Hints on joint storage:

Do not store together with: Oxidizing agents, acids.

Keep away from food, drink and animal feedingstuffs.

Storage class:

10 = Combustible liquids that cannot be assigned to any of the above storage classes

7.3 Specific end use(s)

No information available.



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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values:

CAS No.	Designation	Type	Limit value
7440-50-8	Copper flakes (coated with aliphatic acid)	Germany: DFG Kurzzeit	0,02 mg/m ³ (respirable fraction)
		Germany: DFG Langzeit	0,01 mg/m ³ (respirable fraction)
		Germany: TRGS 900 Kurzzeit	0,36 mg/m ³ (respirable fraction)
		Germany: TRGS 900 Kurzzeit	0,8 mg/m ³ (inhalable fraction)
		Germany: TRGS 900 Langzeit	0,045 mg/m ³ (respirable fraction)
		Germany: TRGS 900 Langzeit	0,2 mg/m ³ (inhalable fraction)
68425-15-0	Polysulfides, di-tert-dodecyl	Germany: TRGS 900 Kurzzeit	20 mg/m ³ (respirable fraction)
		Germany: TRGS 900 Langzeit	5 mg/m ³ (respirable fraction)
7782-42-5	Graphite	Germany: DFG Kurzzeit	2,4 mg/m ³ (respirable fraction)
		Germany: DFG Langzeit	0,3 mg/m ³ (respirable fraction)
		Germany: DFG Langzeit	4 mg/m ³ (inhalable fraction)

DNEL/DMEL:

Information about Copper flakes (coated with aliphatic acid) (CAS 7440-50-8):

DNEL, workers, dermal, systemic, long-term: 137 mg/kg bw/d

DNEL, workers, dermal, systemic, short-term: 273 mg/kg bw/d

Information about Benzenesulfonic acid, di-C10-14-alkyl derivs., calcium salts with TBN <300 (CAS 1471316-72-9):

DNEL, workers, inhalative, systemic, long-term: 35,26 mg/m³

DNEL, workers, dermal, systemic, long-term: 25 mg/kg bw/d

DNEL, workers, dermal, local, short-term: 1,04 mg/cm²

DNEL, consumers, inhalative, systemic, long-term: 8,7 mg/m³

DNEL, consumers, dermal, systemic, long-term: 12,5 mg/kg bw/d

DNEL, consumers, dermal, local, short-term: 0,518 mg/cm²

DNEL, consumers, oral, systemic, long-term: 2,5 mg/kg bw/d

Information about Polysulfides, di-tert-dodecyl (CAS 68425-15-0):

DNEL, workers, inhalative, systemic, long-term: 32,9 mg/m³

DNEL, workers, dermal, systemic, long-term: 46,7 mg/kg bw/d



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PNEC: Information about Copper flakes (coated with aliphatic acid) (CAS 7440-50-8):
PNEC, water (freshwater): 7,8 µg/L
PNEC, water (marine water): 5,2 µg/L
PNEC, sewage treatment plant: 230 µg/L
PNEC, sediment (freshwater): 87 mg/kg dw
PNEC, sediment (marine water): 676 mg/kg dw
PNEC, soil: 65 mg/kg dw
Information about Benzenesulfonic acid, di-C10-14-alkyl derivs., calcium salts with TBN <300 (CAS 1471316-72-9):
PNEC, water (freshwater): 0,1 mg/L
PNEC, water (freshwater, intermittent release): 1 mg/L
PNEC, water (marine water): 0,1 mg/L
PNEC, sewage treatment plant: 1.000 mg/L
PNEC, sediment (freshwater): 45.211 mg/kg dw
PNEC, sediment (marine water): 45.211 mg/kg dw
PNEC, soil: 36.740 mg/kg dw
Information about Polysulfides, di-tert-dodecyl (CAS 68425-15-0):
PNEC, sewage treatment plant: 1 g/L
PNEC, sediment (freshwater): 3,85 mg/kg dw
PNEC, sediment (marine water): 0,385 mg/kg dw
PNEC, Secondary Poisoning: 66,7 mg/kg Food

8.2 Exposure controls

Provide good ventilation and/or an exhaust system in the work area.

Personal protection equipment

Occupational exposure controls

Respiratory protection: In case of inadequate ventilation wear respiratory protection. Respiratory protection must be worn whenever the WEL levels have been exceeded.
The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product.

Hand protection: Protective gloves according to DIN EN ISO 374-1.
Glove material: Nitrile rubber
Layer thickness: 0,12 mm
Breakthrough time: 4 h
Unsuitable glove material: Butyl caoutchouc (butyl rubber), NR (natural rubber, Natural latex), CR (Polychloroprene, Chloroprene rubber)

Eye protection: Tightly sealed goggles according to DIN EN ISO 16321-1.

Body protection: Wear suitable protective clothing.

General protection and hygiene measures:
Do not breathe mist/vapours/spray. Take off contaminated clothing and wash it before reuse. Avoid contact with skin, eyes, and clothing.
Do not eat, drink or smoke when using this product.
Wash hands thoroughly after handling. Have eye wash bottle or eye rinse ready at work place.

Environmental exposure controls

Refer to "6.2 Environmental precautions".



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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state at 20 °C and 101.3 kPa	liquid
Colour:	Form: Pasty Copper-coloured
Odour:	Characteristic
Melting point/freezing point:	> 250 °C
Boiling point or initial boiling point and boiling range:	> 250 °C
Flammability:	This material is combustible, but will not ignite readily.
Lower and upper explosion limit:	LEL (Lower Explosion Limit): Not determined UEL (Upper Explosive Limit): Not determined
Flash point:	> 250 °C
Auto-ignition temperature:	Not determined
Decomposition temperature:	Not relevant
pH:	Not determined
Kinematic viscosity:	Not determined
Solubility:	Not determined
Partition coefficient n-octanol/water (log value):	No data available
Vapour pressure:	Not determined
Density:	at 25 °C: approx. 0,96 g/mL
Relative vapour density:	No data available
Particle characteristics:	Not applicable

9.2 Other information

Explosive properties:	No data available
Oxidizing characteristics:	No data available
Auto-ignition temperature:	No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

Refer to subsection "Possibility of hazardous reactions".

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

10.4 Conditions to avoid

Protect against heat, sun rays and frost.



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10.5 Incompatible materials

Oxidising agent, acids.

10.6 Hazardous decomposition products

No decomposition when used properly.

Thermal decomposition: Not relevant

SECTION 11: Toxicological information

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

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

Acute toxicity (oral): Based on available data, the classification criteria are not met.
ATEmix (calculated): > 2.000 mg/kg

Acute toxicity (dermal): Based on available data, the classification criteria are not met.
ATEmix (calculated): > 2.000 mg/kg

Acute toxicity (inhalative): Based on available data, the classification criteria are not met.
ATEmix (calculated, dust/mist): > 5 mg/L
May be harmful if inhaled.

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

Serious eye damage/irritation: Based on available data, the classification criteria are not met.

Sensitisation to the respiratory tract: Based on available data, the classification criteria are not met.

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

Contains Benzenesulfonic acid, di-C10-14-alkyl derivs., calcium salts with TBN <300 and Polysulfides, di-tert-dodecyl. May produce an allergic reaction.

Germ cell mutagenicity/Genotoxicity: 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 available data, the classification criteria are not met.

Effects on or via lactation: Lack of data.

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.

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

11.2 Information on other hazards

Endocrine disrupting properties:

None

Other information:

Information about Copper flakes (coated with aliphatic acid) (CAS 7440-50-8):

ATE, oral: 500 mg/kg

ATE, inhalative (dust/mist): 0,733 mg/L



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Symptoms

Respiratory complaints, headache, dizziness, discomfort.
Symptoms can occur only after several hours.

SECTION 12: Ecological information

12.1 Toxicity

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

Fish toxicity:

LC50 Danio rerio (zebrafish): > 100 mg/L/96h

Daphnia toxicity:

EC50 Daphnia magna (Big water flea): > 100 mg/L/48h

Algae toxicity:

EC50: > 100 mg/L/72h

Water Hazard Class: 1 = slightly hazardous to water (Self-classification (mixture).)

12.2 Persistence and degradability

Further details: 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 PBT and vPvB assessment

The product contains no components classified as PBT or as vPvB at concentrations of 0.1% or higher.

12.6 Endocrine disrupting properties

None

12.7 Other adverse effects

General information: Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Waste key number: 12 01 12* = Spent waxes and fats

* = Evidence for disposal must be provided.

Recommendation: The waste is to be kept separate from other types of waste until its recycling. Recycle according to official regulations. Waste for recycling is to be classified and labelled..
Send to a hazardous waste incinerator facility under observation of official regulations. Do not allow to come into the canalization/surface waters/ground water .



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Package

Waste key number: 15 01 10* = Packaging containing residues of or contaminated by dangerous substances
* = Evidence for disposal must be provided.

Recommendation: Dispose of waste according to applicable legislation. Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

Section 14. Transport information

14.1 UN number or ID number

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

14.2 UN proper shipping name

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

14.3 Transport hazard class(es)

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

14.4 Packing group

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

14.5 Environmental hazards

Dangerous for the environment:
Substance/mixture is not environmentally hazardous according to the criteria of the UN model regulations.

Marine pollutant - IMDG: no

14.6 Special precautions for user

No dangerous good in sense of these transport regulations.

14.7 Maritime transport in bulk according to IMO instruments

No data available

SECTION 15: Regulatory information

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

National regulations - Germany

Storage class: 10 = Combustible liquids that cannot be assigned to any of the above storage classes

Water Hazard Class: 1 = slightly hazardous to water (Self-classification (mixture).)

Technical guidance air: 5.2.5

Information on working limitations:
Observe employment restrictions for young people.



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Further regulations, limitations and legal requirements:

No data available

National regulations - EC member states

Volatile organic compounds (VOC):

< 3 % by weight

Labelling of packaging with ≤ 125mL content

Hazard statements: EUH208 Contains Benzenesulfonic acid, di-C10-14-alkyl derivs., calcium salts with TBN <300 and Polysulfides, di-tert-dodecyl. May produce an allergic reaction.
EUH210 Safety data sheet available on request.

Precautionary statements: not applicable

Further regulations, limitations and legal requirements:

Use restriction according to REACH annex XVII, no.: 75

15.2 Chemical Safety Assessment

For this mixture a chemical safety assessment is not required.

SECTION 16: Other information

Classification procedure: The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.

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

H302 = Harmful if swallowed.

H317 = May cause an allergic skin reaction.

H319 = Causes serious eye irritation.

H331 = Toxic if inhaled.

H400 = Very toxic to aquatic life.

H410 = Very toxic to aquatic life with long lasting effects.

EUH208 = Contains Benzenesulfonic acid, di-C10-14-alkyl derivs., calcium salts with TBN <300 and Polysulfides, di-tert-dodecyl. May produce an allergic reaction.

EUH210 = Safety data sheet available on request.

Reason of change: Changes in section 8: Occupational exposure limit values

Date of first version: 2.5.2022

Department issuing data sheet:

see section 1: Department responsible for information



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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
Aquatic Acute: Hazardous to the aquatic environment - acute
Aquatic Chronic: Hazardous to the aquatic environment - chronic
AS/NZS: Australian Standards/New Zealand Standards
ATE: Acute toxicity estimate
ATEmix: Acute Toxicity Estimate of mixture
Bw: Body weight
CAS: Chemical Abstracts Service
CFR: Code of Federal Regulations
CLP: Classification, Labelling and Packaging
DMEL: Derived minimal effect level
DNEL: Derived no-effect level
EC: European Community
EC50: Effective Concentration 50%
EmS: Emergency Response Procedures for Ships Carrying Dangerous Goods
EN: European Standard
EQ: Excepted quantities
EU: European Union
Eye Irrit.: Eye irritation
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: International Maritime Dangerous Goods Code
IMO: International Maritime Organization
LC50: Median lethal concentration
LEL: Lower Explosion Limit
MARPOL: Maritime Pollution: The International Convention for the Prevention of Pollution from Ships
M-factor: Multiplication factor
OEL: Occupational Exposure Limit Value
OSHA: Occupational Safety and Health Administration
PBT: Persistent, bioaccumulative and toxic
PNEC: Predicted no-effect concentration
REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals
RID: Regulations Concerning the International Carriage of Dangerous Goods by Rail
Skin Sens.: Skin sensitisation
TLV: Threshold Limit Value
TRGS: Technical Rules for Hazardous Substances
vPvB: Very persistent and very bioaccumulative
WEL: Workplace Exposure Limit

The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.

Most recent product information is available at:
<http://sumdat.net/sppphy6b>

