

SAFETY DATA SHEET ANAEROBIC ADHESIVES

ACCORDING TO REGULATION (EC) NO. 1907/2006 (REACH) AND REGULATION (EU) 2020/878

SWG MEDIUM-STRENGTH THREADLOCKER

Material number threadlocker_medium-strength_70010000175

Version: 8.0

Revised on: 31/07/2023

Page: 1 of 9

Replaces version: 7.2

Printed: 31/07/2023

Language: en-GB

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

Trade name: SWG medium-strength threadlocker

This safety data sheet applies to the following products: SWG medium-strength threadlocker

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

General use: Adhesive, sealant

1.3 Details of the supplier of the safety data sheet

Company name: SWG Schraubenwerk Gaisbach GmbH

Street/P.O. box: Am Bahnhof 50

Post code, town/city: 74638 Waldenburg, Germany

WWW: www.swg.de

Email: info.swg.de

Telephone: +49 (0) 7942 100-0

Fax: +49 (0) 7942 100-380

Department responsible for information: Telephone: +49 (0) 7942 100-0, email: info.swg.de

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 rated as not hazardous.

2.2 Label elements

Label (CLP) hazard statements: omitted

Precautionary statements: omitted

2.3 Other hazards

Particular risk of slipping on escaping/spilled product.

Endocrine-disrupting properties, results of the PBT and vPvB assessment:

No information available

SECTION 3 | Composition/information on ingredients

3.1 Substances: not applicable

3.2 Mixtures

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

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

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Identifiers	Identification of classification	Content
REACH 01-2119875400-42-xxxx EC no. 201-128-1 CAS 78-63-7	2.5-dimethyl-2.5-di(tert.-butylperoxy)hexane org. perox. D; H242. Skin Irrit. 2; H315.	0.5-1 %
REACH 01-2119475796-19-xxxx EC no. 201-254-7 CAS 80-15-9	Cumene hydroperoxide Org. perox. E; H242. Acute Tox. 4; H302. Acute Tox. 4; H312. Acute Tox. 3; H331. Skin Corr. 1B; H314. STOT RE 2; H373. Aquatic Chronic 2; H411. Specific concentration limits (SCL): Skin Corr. 1B; H314: $C \geq 10\%$ /Skin Irrit. 2; H315: $3\% \leq C < 10\%$ /Eye Dam. 1; H318: $C < 10\%$ /Eye Irrit. 2; H319: $1\% \leq C < 3\%$ /STOT SE 3; H335: $C < 10\%$	< 0.5 % 3 % ≤

Additional notes:

Contains silicon dioxide and polytetrafluoroethylene.
The maximum occupational exposure limits are, if required,
reported in section 8.

SECTION 4 | First aid measures

4.1 Description of first aid measures

In case of inhalation:

Move the person to fresh air; if required, provide mechanical respiration or a good supply of oxygen. Keep the person warm and calm. Consult a doctor in the event of

any problems.

In case of contact with the skin:

Wash off immediately with soap and water and rinse thoroughly. Remove contaminated clothing and wash before wearing again. Consult a doctor in the event of any skin reactions.

In case of contact with the eyes:

Rinse eyes immediately in running water for 10 to 15 minutes, keeping the lids open. If possible, remove any contact lenses.

In case of ingestion:

Continue rinsing. Consult a doctor in the event of eye irritation.

Rinse the mouth immediately and drink plenty of water. Do not induce vomiting.

Never put anything in the mouth of an unconscious person.

Call a doctor.

4.2 Most important symptoms and effects, both acute and delayed

Can irritate skin, eyes and airways. In the event of prolonged and/or frequent exposure, inflammation of the skin and mucous membrane cannot be ruled out.

In case of ingestion:

Swallowing can lead to nausea, weakness and impair the central nervous system.

4.3 Indication of any immediate medical attention and special treatment needed

Symptomatic treatment.

SECTION 5 | Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media:

Alcohol-resistant foam, dry extinguishing powder, carbon dioxide.

5.2 Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in the event of fire.

The following can form in the event of fire: Carbon monoxide and carbon dioxide.

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5.3 Advice for firefighters

Additional notes:

Special protective equipment for firefighting:
Use self-contained breathing apparatus. Wear a full-body protective suit.
If it can be done without risk, remove undamaged containers from the hazard zone.
Avoid extinguishing water entering surface water or ground water.
Use water spray to minimise vapour formation and suppress any vapour that has formed.

SECTION 6 | Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

Ensure sufficient ventilation. Avoid inhaling mist/vapour/aerosols.
Wear suitable protective equipment. Remove contaminated clothing and wash before wearing again. Avoid contact with eyes and skin.
Keep unprotected persons away.

6.2 Environmental precautions

Do not allow to get into ground water, bodies of water or the sewer system.

6.3 Methods and material for containment and cleaning up

Additional notes:

Pick up mechanically with liquid-binding material (sand, diatomite, acid binder, universal binder) and place in suitable containers for disposal.
Particular risk of slipping on escaping/spilled product.

6.4 Reference to other sections

See also sections 8 and 13.

SECTION 7 | Handling and storage**7.1 Precautions for safe handling**

storage areas and

Information to ensure safe handling: Ensure a good air supply and good ventilation of workspaces. Avoid contact with eyes and skin. Avoid inhaling mist/vapour/aerosols. Wear suitable protective equipment. Remove all contaminated clothing and wash before wearing again. When working, avoid eating, drinking and smoking. Wash hands thoroughly after use.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and containers:

Keep the containers dry and tightly closed and in a cool, well ventilated space. Only store in the original container.
Storage temperature: < 20 °C
Protect from heat and direct sunlight.

Information on storing with other substances:

Do not store together with acids, peroxides, copper or strong oxidising agents.
Keep away from food, drinks and animal feed.

Storage class:

10 = flammable liquids, unless storage class 3

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 limits:

8.2 Exposure controls

workplace.

Ensure good ventilation of the working room and/or provide an extraction device at the

Personal protective equipment

Exposure controls at the workplace

Breathing protection:

selected based on the maximum

If the occupational exposure limit (OEL) is exceeded, breathing apparatus must be worn. Particulate filter P2 in accordance with EN 143. The breathing protection filter class must be

contaminant concentration (gas/vapour/aerosols/particulates) that can occur when handling the product.

Hand protection:

Protective gloves in accordance with EN 374, glove material: PVC

The protective glove manufacturer's information about permeability and breakthrough

CAS no.	Designation	Type	Limit
7631-86-9	Silicon dioxide	Germany: German Research Foundation, short-term	1.6 mg/m ³ (respirable fraction)
		Germany: German Research Foundation, long-term	0.02 mg/m ³ (respirable fraction)
		Germany: TRGS 900, long-term	4 mg/m ³ (inhalable fraction)
9002-84-0	Polytetrafluoroethylene	Germany: German Research Foundation, short-term	2.4 mg/m ³ multiplied by the material density (respirable fraction)
		Germany: German Research Foundation, long-term	0.3 mg/m ³ multiplied by the material density (respirable fraction)
		Germany: German Research Foundation, long-term	4 mg/m ³ multiplied by the material density (inhalable fraction)

Eye protection:

times must be observed.

Body protection:

Tightly sealed safety goggles in accordance with EN 166.

Protective and hygiene measures:

Wear suitable protective clothing during use.

Avoid inhaling mist/vapour/aerosols. Remove contaminated clothing and wash before wearing again. Wash hands thoroughly after use. When working, avoid eating, drinking and smoking. Avoid contact with eyes and skin.

Environmental exposure controls

See "6.2 Environmental precautions".

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:

different, depending on colouring

Odour:

characteristic

Odour threshold:

No information available

Melting point/freezing point:

No information available

Initial boiling point and boiling range:

No information available

Flammability:

No information available

Lower and upper explosion limit: No information available

Flash point/flash range:

> 60 °C

Decomposition temperature:

No information available

pH value:

No information available

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Kinematic viscosity:	No information available
Solubility:	No information available
Partition coefficient n-octanol/water:	No information available
Vapour pressure:	No information available
Density:	No information available
Vapour density:	No information available
Particle characteristics:	Not applicable

9.2 Other information

Explosive characteristics:	No information available
Oxidising characteristics:	No information available
Auto-ignition temperature:	No information available
Evaporation rate:	No information available
Further information:	No information available

SECTION 10 | Stability and reactivity**10.1 Reactivity**

See subsection "Possibility of hazardous reactions".

10.2 Chemical stability

Stable under the specified storage conditions.

10.3 Possibility of hazardous reactions

Exothermic polymerisation can occur.

10.4 Conditions to avoidDo not expose to temperatures above 15 °C.
Avoid high temperatures and direct sunlight.**10.5 Incompatible materials**

Acids, peroxides, copper, strong oxidising agents.

10.6 Hazardous decomposition products

Thermal decomposition:	No decomposition when used properly. No information available
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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 characteristics of the individual components. There is no toxicological information for the product itself.
Acute toxicity (oral):	Classification criteria are not met based on the data available.
Acute toxicity (dermal):	No data available.
Acute toxicity (inhalative):	No data available.
Skin corrosion/irritation:	Classification criteria are not met based on the data available.
Serious eye damage/irritation:	Classification criteria are not met based on the data available.
Respiratory sensitisation:	No data available.
Skin sensitisation:	Classification criteria are not met based on the data available.
Germ cell mutagenicity/genotoxicity:	No data available.
Carcinogenicity:	No data available.

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Reproductive toxicity: No data available.
Effects on and via breast milk: No data available.
STOT-single exposure: No data available.
STOT-repeated exposure: No data available.
Aspiration hazard: No data available.

11.2 Information on other hazards

Endocrine-disrupting properties: No information available

Symptoms

Can irritate skin, eyes and airways.

In case of ingestion:

In the event of prolonged and/or frequent exposure, inflammation of the skin and mucous membrane cannot be ruled out.

Swallowing can lead to nausea, weakness and impair the central nervous system.

SECTION 12 | Ecological information

12.1 Toxicity

Water hazard class: 2 = obviously hazardous to water

12.2 Persistence and degradability

Notes: No information available

12.3 Bioaccumulative potential

Partition coefficient n-octanol/water: No information available

12.4 Mobility in soil

No information available

12.5 Results of PBT and vPvB assessment

No information available

12.6 Endocrine-disrupting properties

No information available

12.7 Other adverse effects

General information: Do not allow to get into ground water, bodies of water or the sewer system.

SECTION 13 | Disposal considerations

13.1 Waste treatment methods

Product

Waste code number: 08 04 10 = waste adhesives and sealants other than those mentioned in 08 04 09

Recommendation: Waste should be disposed of in line with the official regulations. Must not be disposed of with household waste. Do not empty into sewage system.

Packaging

Recommendation: Waste should be disposed of in line with the official regulations. Contaminated packaging must be treated in the same way as the substance.

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SECTION 14 | Transport information

14.1 UN number or ID number

ADR/RID, IMDG, IATA-DGR: omitted

ADN: ID 9003

14.2 UN proper shipping name

ADR/RID, IMDG, IATA-DGR: Unrestricted

ADN: ID 9003, SUBSTANCES WITH A FLASH POINT OVER 60 °C AND MAXIMUM 100 °C

14.3 Transport hazard class(es)

ADR/RID, IMDG, IATA-DGR: omitted

ADN: Class 9, code: M12

14.4 Packing group

ADR/RID, ADN, IMDG, IATA-DGR: omitted

14.5 Environmental hazards

Environmentally hazardous:
Model Substance/mixture is not environmentally hazardous according to the criteria of the UN

Regulations.

Marine pollutant - IMDG: no

14.6 Special precautions for user

Inland maritime transport (ADN)

Hazard label: -

Carriage permitted: T

Equipment required: PP

14.7 Maritime transport in bulk according to IMO instruments

No information 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 = flammable liquids, unless storage class 3

Water hazard class: 2 = obviously hazardous to water

Technical instructions, air: 5.2.5

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

National regulations - EU member states

Other rules,
restrictions and regulations: No information available

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15.2 Chemical safety assessment

Wording of the H statements under sections 2 and 3:

No chemical safety assessment is required for this mixture.

H242 = Heating may cause a fire.

H315 = Causes skin irritation.

H302 = Harmful if swallowed.

H312 = Harmful in contact with skin.

H314 = Causes severe skin burns and eye damage.

H331 = Toxic if inhaled.

H373 = May cause damage to organs through prolonged or repeated exposure.

H411 = Toxic to aquatic life with long lasting effects.

Reason for the last changes:

Change in section 2: Identification

Initial issue date:

06/09/2017

SECTION 16 | Other information

Department issuing data sheet: see section 1:

Department responsible for information

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

OEL: Occupational exposure limit

Aquatic Chronic: Hazardous to water - chronic

AS/NZS: Australian/New Zealand standard

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 EN: European standard

EQ: Excepted quantities EU: European Union

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

MWC: Maximum workplace concentration

MARPOL: International Convention for the Prevention of Pollution from Ships

Org. Perox.: Organic peroxide

OSHA: Occupational Safety and Health Administration of the United States PBT: Persistent, bioaccumulative and toxic

PNEC: Predicted non-effect concentration

REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals

RID: Regulation concerning the International Carriage of Dangerous Goods by Rail

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Skin Corr.: Corrosive to the skin

Skin Irrit.: Skin irritant

STOT RE: Specific target organ toxicity - repeated exposure

TRGS: Technical Rules for Hazardous Substances

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 at the date of revision. However, it does not guarantee compliance with certain characteristics in the sense of being legally binding.

The latest product information is available at:

<https://linktree.svg.de/home/languages?eanNumber=4009146588768>

