

Safety data sheet

according to Regulation (EC) No 1907/2006 (REACH)

Trade name: 26 adhesive sticks (low melt) Ø11x200mm

Metabo no.: 630437000

Version / Language: 1.0 / EN

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Date: 08.08.2023



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

1.1 Product identifier

Product form: Mixture
Trade name: 26 adhesive sticks (low melt) Ø11x200mm
Product type: adhesive
Product group: Mixture

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

Relevant identified uses

Hot melt adhesive for guns or application machines

Uses advised against

None

1.3 Details of the supplier providing the safety data sheet.

Metabowerke GmbH
Metabo Allee 1
D-72622 Nürtingen
Phone: +49 (0) 7022 - 72 0
Fax: +49 (0) 7022 - 72 2595
Web: <https://www.metabo.com>
E-mail: product-compliance@metabo.de

1.4 Emergency number

GBK GmbH (24 h): +49 (0)6132-84463

SECTION 2: Possible dangers

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP].

The mixture is not classified as dangerous according to Regulation (EC) No 1272/2008 [GHS].

2.2 Labelling elements

Labelling in accordance with Regulation (EC) No 1272/2008 [CLP].

The product is not classified as hazardous.

Additional sets, additional labelling

2.3 Other hazards

Risk of thermal burns when the product is hot. Decomposition products: see chapter 10

Results of PBT and vPvB assessment

PBT: Not applicable.

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vPvB: Not applicable.

Although this product is not subject to labeling, we recommend that the safety advice be followed.

In case of dust explosion hazard, provide the statement 'May form explosive dust-air mixture if dispersed'.

SECTION 3: Composition / information on ingredients

3.1 Fabrics

This product is a mixture of non-hazardous confidential components.

3.2 Mixtures

Hazardous ingredients

Substance Name	Product identifier	Concentration [%]	Classification according to Regulation (EG) Nr. 1272 [CLP]	SCL, ATE (oral, dermal, inhalative), M-factor (acute, chronic)
No substances determined	Index Nr. EG Nr CAS Nr.			

Additional hints

For the wording of the listed hazard statements, see section 16.

This mixture does not contain any substances meeting the criteria of the hazard class "acute toxicity" according to the CLP Regulation.

Occupational exposure limits, where available, are given in section 8.

SECTION 4: First aid measures

4.1 Description of the first aid measures

General notes

No further information.

In case of eye contact

No further information

Inhalation

Take victim to fresh air, administer oxygen as required.

In case of skin contact

In case of contact with molten material, flush with cool water and consult a doctor. Do not attempt to remove the materials from skin as damaged skin is fragile.

In case of ingestion

The product should not be harmful if swallowed. If symptoms persist, consult a doctor.

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Self-protection of the first aider

No further information.

4.2 Most important symptoms and effects, both acute and delayed

Signs / symptoms of overexposure

The product should not be harmful if swallowed. If symptoms persist, consult a doctor.

4.3 Indications for immediate medical help or special treatment

Notes for the doctor

No specific antidote. Treatment should be directed at the control of symptoms and the clinical condition of the patient.

SECTION 5: Fire fighting measures

5.1 Extinguishing agent

Suitable extinguishing agents

Foam, dry powder, carbon dioxide

Unsuitable extinguishing agents

No further information.

5.2 Special hazards arising from the substance or mixture

Hazards arising from the substance or mixture

During a fire, smoke may contain the original material as well as combustion products of varying composition which may be toxic and/or irritating.

Hazardous combustion products

Carbon monoxide CO, carbon dioxide CO₂, nitrogen oxides NO_x, aldehydes, ketones, hydrocarbons and volatile acids

5.3 Advice for firefighters

Keep people away. Flood with water to prevent a re-ignition. If the product is molten opt for a fine water spray to a direct jet.

Special protective equipment for fire fighting

Wear a positive pressure self-contained breathing apparatus and device of protective fire-fighting clothing (fire-fighting helmet, coat pants, boots and gloves). If this equipment is not available, fight the fire from a protected place or at a safe distance.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For more information refer to section 8 "exposure control and personal protection".

Personnel not trained for emergencies

Protective equipment:

No further information

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Emergency plans: No further information

Emergency personnel

Protective equipment (appropriate material): No further information

6.2 Environmental protection measures

Prevent from entering into soil, ditches, sewers, waterways and groundwater. See section 12 "Ecological Information"

6.3 Methods and material for retention and cleaning

Retention and waterproofing methods: No further information

Purification process: Sweep up, recover where possible and dispose of according to applicable regulations. For more information, see Section 13, "Disposal Considerations".

Other information: No further information

6.4 Reference to other sections

For further information on disposal, see section 13.

SECTION 7: Handling and storage

The information in this section contains general advice and guidance.

7.1 Protective measures for safe handling

Protective measures

Avoid breathing dust, keep the container closed. Wash hands thoroughly after use.

Hygiene measures

No further information

7.2 Conditions for safe storage taking into account incompatibilities

Technical measures and storage conditions

Store in a dry place, store away from direct sunlight.

Packaging materials

No further information

Requirements for storage rooms and containers

Storage class: 10

Substances to avoid: No further information

Further information on storage conditions

No further information.

7.3 Specific end uses

Recommendations

No further information available.

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SECTION 8: Exposure controls / Personal protective equipment

The information in this section contains general advice and guidance. Information provided is based on typical anticipated uses of the product. Additional measures may be required for handling large quantities or other uses that may significantly increase worker exposure or release to the environment.

8.1 Parameters to be monitored

Occupational exposure limit values

CAS: Not determined

ASGW short-term value: Not determined
Dust, alveolar fraction (fine dust)

DNEL values

CAS: Not determined

Oral	DNEL Long-term, systemic ⁰	Not determined (consumer)
Dermal	DNEL Long-term, systemic ¹	Not determined (worker)
		Not determined (consumer)
Inhalation	DNEL Long-term, systemic	Not determined (worker)
		Not determined (consumer)

PNEC values

CAS: Not determined

PNEC waters, freshwater ⁰	Not determined
PNEC waters, seawater ⁰	Not determined
PNEC sediment, freshwater	Not determined
PNEC sediment, seawater ¹⁴⁹	Not determined
PNEC clear plant (STP)	Not determined
PNEC soil ²⁹⁷	Not determined

Additional notes: The lists valid at the time of compilation served as a basis.

8.2 Exposure controls and monitoring

Suitable technical control devices

No further information.

Limitation and monitoring of environmental exposure

Avoid release into the environment.

Individual protective measures, for example personal protective equipment

General protective and hygienic measures:

The usual precautions when handling chemicals must be observed.

Keep away from food, drink and animal feed.

Wash hands before breaks and at the end of work.

Do not inhale gases, vapors, aerosols.

Breathing protection

Premises must be well ventilated-

Hand protection



Recommendation: Chemical-resistant protective gloves (EN 374) The glove material must be impermeable and resistant to the product, substance, preparation. Selection of the glove

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material considering the breakthrough times, permeation rates and degradation.

Glove material

Nitrile rubber

Chloroprene rubber

The selection of a suitable glove is not only dependent on the material, but also on other factors. quality characteristics and varies from manufacturer to manufacturer. Since the product is a preparation from several substances, the resistance of glove materials is not predictable and must therefore be checked before use.

Penetration time of the glove material

Recommended value for permeation: Level 6 \geq 480 min.

The exact breakthrough time must be obtained from the protective glove manufacturer and must be observed.

Additional note: The data are based on own tests, literature data and information from glove manufacturers or are derived by analogy from similar substances. It should be noted that the daily duration of use of a chemical protective glove in practice may be significantly shorter than the permeation time determined by tests due to the many influencing factors (e.g. temperature). Due to the large variety of types, the manufacturer's instructions for use must be observed.

Eye/face protection



Recommendation: Use safety goggles according to EN 166:2001 to protect from molten product splashes. Do not wear contact lenses.

Body protection:

Protective clothing resistant at the application temperature of the product.

Environmental exposure controls

No further information.

SECTION 9: Physical and chemical properties

9.1 Information on the basic physical and chemical properties

Appearance

State of aggregation:	Solid
Colour:	White
Odour:	Undefined odour in molten state
Odour threshold:	Not available
pH value:	Not applicable
Melting point / freezing point:	Not available
Initial boiling point and boiling range:	Not available
Flammability	200°C
Lower an upper explosion limit	Not available
Flash point:	Not available
Decomposition temperature	Not available
Ignition temperature:	>250°C
Vapour pressure at 20°C:	Not available
Vapour density:	Not available
Relative density:	Not available
Density at 20°C:	Not available
Solubility(ies):	Not available
Solubility water:	Insoluble
Partition coefficient n-octanol/water	Not available

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Decomposition temperature:	Not available
Viscosity:	Not available
Kinematic viscosity at 40 °C	Not available
Evaporation number	Not available

9.2 Other information

Important health, safety and environmental information

Ignition temperature: The product is not self-igniting.

Explosive properties: The product is not explosive.

Solvent content VOC (EU) Not determined

Change of state Drip point: Not determined

Pourpoint: Not determined

Evaporation rate: Not determined.

Information on physical hazard classes

Explosive substances/mixtures and articles containing explosives Not applicable

Flammable gases Not applicable

Aerosols Not applicable

Oxidising gases Not applicable

Gases under pressure Not applicable

Flammable liquids Not applicable

Flammable solids Not applicable

Self-reactive substances and mixtures Not applicable

Pyrophoric liquids Not applicable

Pyrophoric solids Not applicable

Self-heating substances and mixtures Not applicable

Substances and mixtures which, in contact with water, emit flammable gases in contact with water Not applicable

Oxidising liquids Not applicable

Oxidising solids Not applicable

Organic peroxides Not applicable

Substances and mixtures corrosive to metals Not applicable

SECTION 10: Stability and reactivity

10.1 Reactivity

No known dangerous reaction under normal conditions of use.

10.2 Chemical stability

Stabel under recommended storage conditions. See section 7 "Handling and Storage".

10.3 Possibility of hazardous reactions

No dangerous reactions known.

10.4 Conditions to avoid

The product decomposes at high temperatures (>260°C). Avoid direct sunlight.

10.5 Incompatible materials

None known

10.6 Hazardous decomposition products

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During a fire, smoke may contain the original materials as well as combustion products of varying composition which may be toxic and/or irritating. Combustion products may include among others: Carbon monoxide CO, carbon dioxide CO₂, nitrogen oxides NO_x, aldehydes, ketones, hydrocarbons and volatile acids.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

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

Einstufungsrelevante LD/LC50-Werte

CAS: not determined

Orale	LD50	Not determined
	NOEL	Not determined
	NOAEL	Not determined
	LOEL	Not determined
Dermal	LD50	Not determined

Corrosive/irritant effect on the skin

Not classified

Severe eye damage / irritation

Not classified

Sensitisation of the respiratory tract / skin:

Ingestion: Low toxicity if swallowed. May cause choking if swallowed.

Inhalation: At room temperature exposure to vapours is minimal due to low volatility. Vapours from heated material may cause respiratory irritation.

Allergy: Not expected to cause allergic skin reactions.

Germ cell mutagenicity

Not classified

Carcinogenicity

Not classified

Reproductive toxicity

Not classified

Specific target organ toxicity in case of single exposure:

Not classified

Specific target organ toxicity in case of repeated exposure

Not classified

Aspiration hazard

Not classified

Information on other hazards

No further information available.

SECTION 12: Environmental information

12.1 Toxicity

Aquatic toxicity:

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CAS: Not available

LC50	Not available (fish)
LC0	Not available (fish)
LC100	Not available (fish)
EC50	Not available (sediment)
EC50	Not available (aquatic invertebrates)
EC50	Not available (algae / cyanobacteria)
EC100	Not available (aquatic invertebrates)
EC50	Not available (aquatic invertebrates)
NOEC	Not available (sediment)
	Not available (terrestrial macroorganisms (-arthropods))
NOEC	Not available (algae / cyanobacteria)
NOEC	Not available (aquatic invertebrates)
LOEC	Not available (sediment)
	Not available (terrestrial macroorganisms (-arthropods))

No acute toxicity found but the product in pellet form may cause adverse mechanical effects if ingested by waterfowl or aquatic life.

12.2 Persistence and degradability

No biodegradation is expected to occur.

12.3 Bioaccumulative potential

CAS: Not determined

Partition coefficient	Not determined (bioaccumulation)
Bioconcentration factor (BCF)	Not determined (Bioaccumulation)
Biodegradability	Not determined (Biodegradability) (OECD 301 B)

No bioconcentration is expected due to high molecular weight (greater than 1000)

12.4 Mobility in soil

In the terrestrial environment the product is expected to remain in the soil, in the aquatic environment is expected to float.

12.5 Result of the PBT and vPvB assessment

This product has not been assessed.

12.6 Endocrine disrupting properties

No relevant data available

12.7 Other adverse effects

No further information available

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SECTION 13: Handling and storage

The information in this section provides general advice and guidance. The list of identified uses in section 1 should be consulted for any application-specific information in the exposure scenario(s).

13.1 Waste treatment process

Recommendation:

Mus be given special treatment in compliance with official regulations.

Must not be disposed of together with household waste. Do not allow to enter drains.

Waste code number:

The waste codes given are recommendations based on the expected use of this product. Due to the specific use and disposal conditions at the user's site, other waste codes may be assigned under certain circumstances. (2014/955/EU).

European Waste Catalogue:

No further information

Uncleaned packaging:

Recommendation: Dispose of in accordance with official regulations.

SECTION 14: Transport information

14.1 UN-Nummer oder ID-Nummer

According to ADR / IMDG / IATA not a dangerous good in the sense of the transport regulations.

14.2 Proper UN-shipping name

According to ADR / IMDG / IATA not a dangerous good in the sense of the transport regulations.

14.3 Proper UN-shipping name

According to ADR / IMDG / IATA not a dangerous good in the sense of the transport regulations.

14.4 Packing group

According to ADR / IMDG / IATA not a dangerous good in the sense of the transport regulations.

14.5 Environmental hazards

Indicator of environmentally hazardous substances

ADR/RID/IMDG-Code No

ICAO-TI/IATA-DGR No

14.6 Special precautions for the user

There is no information available.

14.7 Carriage in bulk by sea in accordance with IMO instruments

Not applicable.

SECTION 15: Legislation

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

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Labelling according to Regulation (EC) No 1272/2008

Hazard pictograms: Not applicable

Signal word: Not applicable

Hazard statements: Not applicable

EC Regulation (EC) No 1907/2006 (REACH)

Annex XIV: No restrictions.

Annex XVII: No restrictions.

Substances of very high concern (SVHC) No restrictions.

Directive 2011/65/EU (RoHS)

Annex II: None of the substances is included.

Directive 2012/18/EU (Sevco)

Annex I: None of the substances is included.

Directive 2019/1148/EU (Marketing and use of explosives precursors)

Annex I: Restricted explosive precursors: None of the substances are included.

Annex II Reportable explosive precursors: None of the substances are included.

Directive 273/2004/EG (Drug precursors)

None of the substances is included.

National regulations:

Water hazard class:

WGK 1 (Self-assessment): No further information

Other EU provisions

Industrial emissions (integrated pollution prevention and control) - Air

No restrictions.

Industrial emissions (integrated pollution prevention and control) - Water substances

No restrictions.

Ozone-depletable substances (1005/2009/EU)

No restrictions.

Prior Informed Consent (PIC) (649/2012/EU)

No restrictions.

Storage class (TRGS 510)

No restrictions. Storage class 10

Water hazard class

No further information

Prior Informed Consent (PIC) (649/2012/EU)

No restrictions.

15.2 Chemical safety assessment:

A chemical safety assessment has not been carried out.

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SECTION 16: Other notes

The information is based on the present state of our knowledge but does not represent any assurance of product properties and does not establish a contractual legal relationship. The classification of the mixture was made by calculation according to the rules of Annex I in Directive 1272/2008/EU.

16.1 Notes on changes

None.

16.2 Abbreviations and acronyms

ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
CAS no.	Chemical Abstract Service - Number
CLP	Regulation on classification, labelling and packaging [Regulation (EC) No 1272/2008].
DMEL	Derived exposure level with minimal impairment
DNEL	Derived exposure level without impairment
EC no.	European Community Number
EN	European Standard
EUH rate	CLP-specific hazard statement
GHS	Globally Harmonized System of Classification and Labeling of Chemicals
IARC	International Agency for Cancer Research
IATA	Association for International Air Transport
IMDG	Dangerous goods regulations for international maritime transport
PBT	Persistent, bioaccumulative and toxic substance
PNEC	Estimated non-effect concentration
REACH	Registration, Evaluation, Authorization and Restriction of Chemicals
MSDS	Safety data sheet
TRGS	Technical rules for hazardous substances
vPvB	Very persistent and very bioaccumulative

16.3 Important literature references and data sources

No information.

16.4 Classification of mixtures and assessment method used according to Regulation (EC) No 1207/2008 [CLP].

No information.

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16.5 Wording of H and EUH phrases (number and full text)

No information.

16.6 Full text of the classifications [CLP/GHS].

No information.

Note for the reader

To the best of our knowledge, the information contained herein is correct. However, neither the above-named manufacturer nor its affiliates assume any liability as to the accuracy or completeness of the information provided. A final determination of the suitability of individual materials is the sole responsibility of the user. All materials may involve unknown risks and should be used with caution. While certain risks are described herein, we cannot guarantee that these are the only possible risks.