



Material Safety Data Sheet

1. Product & Company Identification

Product:	Hot melt glue stick
Manufacturer:	Conrad Electronic SE
Address:	Klaus-Conrad-Str. 1, D-92240 Hirschau
Telephone:	+49 (0) 9604 / 40 - 8988
Web:	www.conrad.de
Date of issue:	29.06.2023

1.1 Product identifier

Pjproduct form: Mixture
Product name: Hot melt glue stick
Additional identification: Not available

1.2 Relevant identified uses of the substance and uses advised against

1.2.1 Relevant identified uses:

Use of the substance/mixture: Consumer use
Adhesives

1.2.2 Uses advised against:

Restrictions on use: Not available



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2. Hazards Identification

2.1 Classification of the substance/mixture

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

Not classified

Adverse physicochemical, human health and environmental effects

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 (CLP)

No labelling applicable

2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII.

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII.

Contains no PBT/vBvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII.

The mixture does not contain substance(s) in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegates Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0.1%.

3. Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 (CLP)
Ethylenevinylacetate copolymer	CAS-No.: 24937-78-8	50-70	Not classified
Hydrocarbon resin	CAS-No.: 68132-00-3	5-42	Not classified
Pentaerythryl rosinates	CAS-No.: 8050-26-8 EC-No.: 232-479-9	0-30	Not classified
Paraffin wax	CAS-No.: 8002-74-2 EC-No.: 232-315-6	<5	Not classified



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4. First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation

Remove person to fresh air and keep comfortable for breathing. If you feel unwell, seek medical advice.

First-aid measures after skin contact

Wash skin with plenty of water. If skin irritation occurs: Get medical advice/attention.

First-aid measures after eye contact

Rinse eyes with water as a precaution. Get medical attention if symptoms occur.

First-aid measures after ingestion

Rinse mouth. If you feel unwell, seek medical advice.

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

No additional information available

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

Treat symptomatically.

5. Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Water spray. Dry powder. Alcohol-resistant foam. Carbon dioxide (CO₂).

Unsuitable extinguishing media

Do not use a water jet since it may cause the fire to spread.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire:

Toxic fumes may be released.

5.3. Advice for firefighters

Protection during firefighting:

Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.



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6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures:

Ventilate spillage area. Avoid dust formation.

6.1.2. For emergency responders

Protective equipment:

Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up:

Mechanically recover the product.

Other information:

Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

7. Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling:

Ensure good ventilation of the work station. Wear personal protective equipment.

Hygiene measures:

Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions :

Store in a well-ventilated place. Keep cool. Keep container tightly closed and dry. Keep out of reach of children. Store locked up.

7.3. Specific end use(s)

No additional information available



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8. Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

Paraffin wax (8002-74-2)

Belgium - Occupational Exposure Limits

OEL TWA 2 mg/m³

Croatia - Occupational Exposure Limits

GVI (OEL TWA) [1] 2 mg/m³

KGVI (OEL STEL) 6 mg/m³

Denmark - Occupational Exposure Limits

OEL TWA[1] 2 mg/m³

Estonia - Occupational Exposure Limits

OEL TWA 2 mg/m³ aurud

Finland - Occupational Exposure Limits

HTP (OEL TWA) [1] 1 mg/m³

France - Occupational Exposure Limits

VME (OEL TWA) 2 mg/m³

Greece - Occupational Exposure Limits

OEL TWA 2 mg/m³

OEL STEL 6 mg/m³

Ireland - Occupational Exposure Limits

OEL TWA (1) 2 mg/m³

OEL STEL 6 mg/m³

Poland - Occupational Exposure Limits

NDS (OEL TWA) 2 mg/m³ frakcja wdychalna

Portugal - Occupational Exposure Limits

OEL TWA 2 mg/m³

Romania - Occupational Exposure Limits

OEL TWA 2 mg/m³ (Fumuri)

OEL STEL 6 mg/m³ (Fumuri)

Slovakia - Occupational Exposure Limits

NPHV (OEL TWA) (1) 2 mg/m³

NPHV (OEL STEL) 6 mg/m³

Spain - Occupational Exposure Limits

VLA-ED (OEL TWA) (1) 2 mg/m³ humos

United Kingdom - Occupational Exposure Limits

WEL TWA (OEL TWA) (1) 2 mg/m³ fume

WEL STEL (OEL STEL) 6 mg/m³ fume



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Iceland - Occupational Exposure Limits

OEL TWA 2 mg/m³

Norway - Occupational Exposure Limits

Grenseverdi (OEL TWA) (1) 2 mg/m³

Switzerland - Occupational Exposure Limits

MAK (OEL TWA) (1) 2 mg/m³ / (a)

Critical toxicity Nausée, VRS / Nausea, OAW

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

8.2.2. Personal protection equipment

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection: Safety glasses

8.2.2.2. Skin protection

Skin and body protection: Wear suitable protective clothing

Hand protection: Protective gloves

8.2.2.3. Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Avoid release to the environment.



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9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Solid
Colour	Transparent
Appearance	Gel
Odour	Odourless
Odour threshold	Not available
Melting point	Not available
Freezing point	Not applicable
Boiling point	Not available
Flammability	Not flammable.
Explosive limits	Not applicable
Lower explosion limit	Not applicable
Upper explosion limit	Not applicable
Flash point	Not applicable
Auto-ignition temperature	Not applicable
Decomposition temperature	Not available
pH	Not available
pH solution	Not available
Viscosity, kinematic	Not applicable
Solubility	Insoluble in water
Partition coefficient n-octanol/water (Log Kow)	Not available
Vapour pressure	Not available
Vapour pressure at 50°C	Not available
Density	Not available
Relative density	Not available
Relative vapour density at 20°C	Not applicable
Particle size	Not available

9.2. Other Information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

No additional information available



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10. Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Incompatible materials. Avoid temperature above.

10.5. Incompatible materials

Strong acids. Strong oxidizing agents.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. Toxicological information

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

Acute toxicity (oral) Not classified

Acute toxicity (dermal) Not classified

Acute toxicity (inhalation) Not classified

Pentaerythrityl rosinates (8050-26-8)

LD50 oral rat > 2000 mg/kg bodyweight

LD50 dermal rat > 2000 mg/kg bodyweight

Skin corrosion/irritation Not classified

Serious eye damage/irritation Not classified

Respiratory or skin sensitisation Not classified

Germ cell mutagenicity Not classified

Carcinogenicity Not classified

Reproductive toxicity Not classified

STOT-single exposure Not classified

STOT-repeated exposure Not classified

Aspiration hazard Not classified

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Adverse health effects caused by endocrine disrupting properties

The substance/mixture has no endocrine disrupting properties.

11.2.2. Other Information

No additional information available



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12. Ecological Information

12.1. Toxicity

Ecology - general

The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Hazardous to the aquatic environment, short-term (acute)

Not classified

Hazardous to the aquatic environment, long-term (chronic)

Not classified

Not rapidly degradable

Pentaerythryl rosinate (8050-26-8)

LL50 96h - Fish (1) > 100 mg/l

EL50 48h - Crustacea (1) > 100 mg/l

EL50 72h - Algae (1) > 100 mg/l

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6. Endocrine disrupting properties

Adverse effects on the environment caused by endocrine disrupting properties

The substance/mixture has no endocrine disrupting properties.

12.7. Other adverse effects

No additional information available

13. Disposal considerations

13.1. Waste treatment methods

Waste treatment methods

Dispose of contents/container in accordance with licensed collector's sorting instructions.



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14. Transport Information

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
14.1. UN number or ID number				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.2. UN proper shipping name				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.4. Packing group				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.5. Environmental hazards				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
No supplementary information available				

14.6. Special precautions for user

Overland transport

Not regulated

Transport by sea

Not regulated

Air transport

Not regulated

Inland waterway transport

Not regulated

Rail transport

Not regulated

14.7. Maritime transport In bulk according to IMO instruments

Not applicable



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15. Regulatory information

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

15.1.1. EU-Regulations

REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.1.2. National regulations

Germany

Employment restrictions

Observe restrictions according Act on the Protection of Working Mothers (MuSchG)

Observe restrictions according Act on the Protection of Young People in Employment (JArbSchG)

Water hazard class (WGK)

WGK 3, Highly hazardous to water (Classification according to AwSV, Annex 1).

Storage class (LGK, TRGS 510)

LGK 13 - Non-combustible solids.



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Joint storage table

LGK 1	LGK 2A	LGK 2B	LGK 3	LGK 4.1A
LGK 4.1B	LGK 4.2	LGK 4.3	LGK 5.1A	LGK 5.1B
LGK 5.1C	LGK 5.2	LGK 6.1A	LGK 6.1B	LGK 6.1C
LGK 6.1D	LGK 6.2	LGK 7	LGK 8A	LGK 8B
LGK 10	LGK 11	LGK 13	LGK 13	LGK 10-13

Joint storage not permitted for	LGK 1, LGK 6.2, LGK 7.
Joint storage with restrictions permitted for	LGK 4.1A, LGK 5.1C.
Joint storage permitted for	LGK 2A, LGK 2B, LGK 3, LGK 4.1 B, LGK 4.2, LGK 4.3, LGK 5.1A, LGK 5.1 B, LGK 5.2, LGK 6.1A, LGK 6.1B, LGK 6.1C, LGK 6.1D, LGK 6.1E, LGK 6.1F, LGK 6.1G, LGK 6.1H, LGK 6.1I, LGK 6.1J, LGK 6.1K, LGK 6.1L, LGK 6.1M, LGK 6.1N, LGK 6.1O, LGK 6.1P, LGK 6.1Q, LGK 6.1R, LGK 6.1S, LGK 6.1T, LGK 6.1U, LGK 6.1V, LGK 6.1W, LGK 6.1X, LGK 6.1Y, LGK 6.1Z, LGK 6.2, LGK 7, LGK 8A, LGK 8B, LGK 10, LGK 11, LGK 12, LGK 13, LGK 10-13.
Hazardous Incident Ordinance (12. BImSchV)	Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

Netherlands

ABM category	A(4) - low hazard for aquatic organisms. may have longterm hazardous effects in aquatic environment
SZW-lijst van kankerverwekkende stoffen	Resin acids and Rosin acids, esters with pentaerythritol, Paraffin waxes and Hydrocarbon waxes [A complex combination of hydrocarbons obtained from petroleum fractions by solvent crystallization (solvent deoiling) or by the sweating process. It consists predominantly of straight chain hydrocarbons having carbon numbers predominantly greater than C20.] are listed
SZW-lijst van mutagene stoffen	Resin acids and Rosin acids, esters with pentaerythritol, Paraffin waxes and Hydrocarbon waxes [A complex combination of hydrocarbons obtained from petroleum fractions by solvent crystallization (solvent deoiling) or by the sweating process. It consists predominantly of straight chain hydrocarbons having carbon numbers predominantly greater than C20.] are listed
SZW-lijst van reprotoxische stoffen - Borstvoeding	None of the components are listed
SZW-lijst van reprotoxische stoffen - Vruchtbaarheid	None of the components are listed
SZW-lijst van reprotoxische stoffen - Ontwikkeling	None of the components are listed

Switzerland

Storage class (LK)	NG - Non-hazardous
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15.2. Chemical safety assessment

No chemical safety assessment has been carried out



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16. Other information

Abbreviations and acronyms:

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
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand
COD	Chemical oxygen demand
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
EN	European Standard
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
CAS-No.	Chemical Abstract Service number



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N.O.S. Not Otherwise Specified

vPvB Very Persistent and Very Bioaccumulative

ED Endocrine disrupting properties

The classification complies with: ATP 12

SDS-EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.