

Voluntary Product
Information



BOSCH

Product name: **LOW MELT GLUE
STICK 2608000807**
Version: 1.0
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Page 1 of 7

VOLUNTARY PRODUCT INFORMATION

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

1.1. Product identifier

LOW MELT GLUE STICK 2608000807

Further trade names

Bosch:
2.608.000.807

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

Use of the substance/mixture

Hot Melt Adhesive

1.3. Details of the supplier of the safety data sheet

Company name: Robert Bosch Power Tools GmbH
PT/EEI
Place: 70538 Stuttgart / GERMANY
Internet: www.bosch-pt.com

Responsible for the safety data sheet: sds@gbk-ingelheim.de

1.4. Emergency telephone number: INTERNATIONAL: +49 - (0) 6132 - 84463, GBK GmbH (24h - 7d/w - 365d/a)
England and Wales: NHS Direct - 0845 4647; Scotland: NHS 24 - 08454 24 24
24



SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

This mixture is not classified as hazardous in accordance with Regulation (EC) No. 1272/2008.

2.2. Label elements

Additional advice on labelling

The product does not require a hazard warning label in accordance with EC directives/the relevant national laws.

2.3. Other hazards

During use, the product is applied at elevated temperatures, exposing the user to the possibility of severe burns unless suitable precautions are taken. Exposure to high levels of fumes at application temperature may cause irritation of the eyes and respiratory tract. Product may accumulate static charges. If adhesive is overheated, especially using a naked flame it will burn. Excessive fume indicates overheating.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Polymers, tackifying resins, and antioxidant. Contains no hazardous ingredients or impurities.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Remove contaminated soaked clothing immediately.

If you feel unwell, seek medical advice.

After inhalation

No inhalation hazard from cold product. Remove to fresh air if excess fume from hot product inhaled. Treat any irritation symptomatically. If necessary, seek medical attention.

After contact with skin

First aid not normally required for contact with product at ambient temperature. For contact with hot product, plunge affected part into cold water until adhesive thoroughly solid and pain eases. Do not attempt to remove adhesive. Seek medical attention. Adhesive may be softened with olive oil or liquid paraffin. When hot melt removed treat as normal burn.

After contact with eyes

Cold pellets may cause abrasions. If hot product enters eye flush area with large quantity of clean cold water. Urgently seek medical assistance.

After ingestion

If accidentally swallowed obtain immediate medical attention. Keep at rest. DO NOT induce vomiting. Give large quantities of water but never give anything by mouth to an unconscious person.

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

Severe thermal burns.

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

Treat symptoms.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Foam, carbon dioxide (CO₂), dry chemical powder, sand.

Fire-extinguishing activities according to surrounding.

Unsuitable extinguishing media

Water should not be used as burning product may float on water.

5.2. Special hazards arising from the substance or mixture

Fire may produce: Irritant/corrosive, flammable as well as toxic distillation gases (carbonization gases).

Combustion Products: carbon dioxide, carbon monoxide, acetic acid, smoke, low molecular weight hydrocarbons.

5.3. Advice for firefighters

Use breathing apparatus with independent air supply.

Protective suit



Additional information

Cool containers at risk with water spray jet.

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear gloves and eye protection when handling molten or hot products. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation.

6.2. Environmental precautions

Do not discharge into the drains/surface waters/ground water.

6.3. Methods and material for containment and cleaning up

Allow to solidify. Spilled material will present a slippage hazard on hard surfaces. Take up mechanically after cooling and collect in suitable container for disposal.

6.4. Reference to other sections

Observe protective instructions (see Sections 7 and 8). Information for disposal see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

No special requirements. When emptying bulk bags product may accumulate static charge.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed in a dry, cool and well-ventilated place. Store in a clean dry place at temperatures between 5°C/40°F and 30°C/85°F with containers kept closed.

Further information on storage conditions

Keep away from food, drink and animal feeding stuffs.

7.3. Specific enduse(s)

Industrial adhesive

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters**

Nominal industrial hygiene measures should be sufficient. Where contact may occur with hot materials, wear thermal resistant gloves, arm protection and a face shield. During processing adequate ventilation is required. The use of local exhaust ventilation is recommended to control fumes.

8.2. Exposure controls**Appropriate engineering controls**

Ensure adequate ventilation, especially in confined areas. Minimize workplace exposure concentrations.

Protective and hygiene measures

Wash hands before breaks and at the end of workday.

When using do not eat, drink or smoke.

Avoid contact with skin, eyes and clothing.

Remove and wash contaminated clothes before re-use.

Eye/face protection

Safety goggles with side protection (EN 166).

Hand protection

When handling hot melt, wear heat-proof protective gloves.

Skin protection

Use personal protective clothing. Skin should be washed after contact.

Respiratory protection

No personal respiratory protective equipment normally required.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state:	Solid
Colour:	White/off-white
Odour:	No significant odour at ambient temperature
Melting Point:	>75 °C/165 °F
Flash point:	> 200 °C/390°F
Lower explosion limits:	n.d.
Upper explosion limits:	
Vapour pressure: (at 20 °C)	n.d.
Density (at 20 °C):	n.d.
Flammability (solid, gas)	Combustible, but not flammable
Auto Ignition temperature:	> 200 °C/390°F
Viscosity:	Solid at ambient temperatures

9.2. Other information

No data available.



SECTION 10: Stability and reactivity

10.1. Reactivity

Limited chemical reactivity. No hazardous chemicals are known to be formed during the use of this product. Adding water to molten product will cause foaming and spitting.

10.2. Chemical stability

Under storage at normal ambient temperatures (-40°C/-40°F to + 40°C/105°F), the product is stable.

10.3. Possibility of hazardous reactions

No hazardous reactions known.

10.4. Conditions to avoid

Storage below 5°C/40°F and above 30°C/85°F.

10.5. Incompatible materials

No materials to be especially mentioned.

10.6. Hazardous decomposition products

Does not decompose when used for intended uses.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Not determined.

Irritation and corrosivity

Not determined.

Sensitising effects

Not determined.

Repeated dose toxicity

Not determined.

Carcinogenic/mutagenic/toxic effects for reproduction

Not determined.

Other information

Inhalation

Negligible hazard at ambient temperature. Vapour at elevated temperature may be irritating to the eyes and respiratory tract.

Skin contact

Negligible hazard at ambient temperature. Contact with hot material will cause thermal burns which may be severe depending upon amount.

Eye contact

Exposure to hot material will cause thermal burns which may be severe. Pellets may scratch eye surface or cause mechanical irritation.

Ingestion

Not determined but believed to have a low order of toxicity.

SECTION 12: Ecological information

12.1. Toxicity

Not known to have any adverse effects.

12.2. Persistence and degradability

Not known to have any adverse effects.

12.3. Bioaccumulative potential

Not determined.

12.4. Mobility in soil

Not determined.

12.5. Results of PBT and vPvB assessment

According to Regulation (EC) No 1907/2006 (REACH) none of the substances, contained in this product are a PBT / vPvB substance.



12.6. Other adverse effects

No data available.

SECTION 13: Disposal considerations

Suitable methods of disposal are incinerators with energy recovery or in approved landfill sites in accordance with EC, national and local regulations. Care should be taken to ensure compliance with EC, national and local regulations

SECTION 14: Transport information

Not regulated for land, sea, inland waterways or air.

14.1. UN number:

No hazardous material as defined by the transport regulations.

14.2. UN proper shipping name:

No hazardous material as defined by the transport regulations.

14.3. Transport hazard class(es):

No hazardous material as defined by the transport regulations.

14.4. Packing group:

No hazardous material as defined by the transport regulations.

14.5. Environmental hazards

No hazardous material as defined by the transport regulations.

14.6. Special precautions for user

No hazardous material as defined by the transport regulations.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

No hazardous material as defined by the transport regulations.

SECTION 15: Regulatory information

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

EU regulatory information

Regulation (EC)649/2012 Not applicable
REACH-SVHC for authorization (Article 59) Not applicable/

The components of this product are reported in the following inventories:

REACH: All ingredients (pre-)registered or exempt.
TSCA: All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

15.2. Chemical safety assessment

For this substance a chemical safety assessment has not been carried out.

SECTION 16: Other information

Incorrect application can cause degradation of the product. Observe the maximum recommended processing temperature for this product found on the appropriate technical data sheet. If necessary, contact the technical service department for advice.

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
IMDG = International Maritime Code for Dangerous Goods
IATA/ICAO = International Air Transport Association / International Civil Aviation Organization
MARPOL = International Convention for the Prevention of Pollution from Ships
IBC-Code = International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
REACH = Registration, Evaluation, Authorization and Restriction of Chemicals
CAS = Chemical Abstract Service
EN = European norm
ISO = International Organization for Standardization
DIN = Deutsche Industrie Norm
PBT = Persistent Bioaccumulative and Toxic

LD = Lethal dose

LC = Lethal concentration



EC = Effect concentration

IC = Median immobilisation concentration or median inhibitory concentration

Further Information

Data of items 4 to 8, as well as 10 to 12, do partly not refer to the use and the regular employing of the product (in this sense consult information on use and on product), but to liberation of major amounts in case of accidents and irregularities.

The information describes exclusively the safety requirements for the product(s) and is based on the present level of our knowledge.

The delivery specifications are contained in the corresponding product sheet.

This data does not constitute a guarantee for the characteristics of the product(s) as defined by the legal warranty regulations.

(n.a. = not applicable; n.d. = not determined)

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)