

1. Identification of the product and of the company

Identification of the product:
Glue sticks

Company/undertaking identification:
HENKEL KGaA, D-40191 Duesseldorf
Tel.: ++49 (0) 211-797-0

Information office (content SDS)
AMK Zentr. Produktbetreuung AC
TEL: (0)211/797-3044 FAX:(0)211/798-9494

The produkt has been registered with the "information centres for cases of poisoning in the Federal Republic of Germany". These centres provide an around-the-clock telefona information centre in the event of poisoning. The Henkel information service also provides an around-the-clock telephone service on telephone No. 0211/797-3350 for exceptional cases.

2. Composition/information on ingredients

Glue stick based on synthetic resin, polyglycosidether, polyols, soap and water.

3. Hazards identification of the product

None if used for intended purpose

4. First aid measures

after inhalation:
not relevant

after skin contact:
Rinse with running water and soap. Skin care. Remove contaminated clothes.

after eye contact:
Immediately flush eyes with copious amounts of running water (for 10 minutes), if necessary see an oculist.

after ingestion:
Rinse mouth, drink plenty of water, see a physician.

5. Fire-fighting measures

Suitable extinguishing media:
suitable for all regular extinguishing materials

Extinguishing media which must not be used for safety reasons:
not applicable

Special exposure hazards arising from the product itself, from combustion products or from resulting gases:
not flammable

Special protective equipment for firefighters:
Wear self-contained breathing apparatus.

6. Accidental release measures

Personal precautions:
Avoid contact with skin and eyes.

Environmental precautions:
Do not allow to enter drainage system, surface or ground water.

Glue sticks

Methods of cleaning up/of removing:
 remove dry, forms a slippery coating with water; Dispose of contaminated material as waste according to item 13.

7. Handling and storage

Handling:
 no special measures required

Storage:
 Do not store at temperatures above 50 °C;
 Do not store at temperatures under -5 °C
 Do not store together with edibles or other consumable substances.

Storage Class: VCI-storage class: 11 (BRD)

8. Exposure controls / personal protection

Information on the system design:
 No special measures required

Components with specific control parameters:
 none

Personal protection:
 wash off any dirt that gets onto the skin with lots of soap and water, skin care;

9. Physical and chemical properties

Physical state: sticks
 Colour: white
 Odour: little intrinsic odour
 pH: (undiluted) (20°C) 9,8 - 10,1
 Boiling point: 100 °C ; water phase
 Flash point: not applicable
 Explosive properties: not applicable
 Relative density: (20°C) 1,125 - 1,135 g/cm³
 Solubility: (20°C) partially soluble
 Viscosity: (80°C) 5500 - 9500 mPa.s Brookfield
 not applicable

10. Stability and reactivity

Conditions to avoid:
 No decomposition if used according to specifications

Materials to avoid:
 none known if used for its intended purpose

Hazardous decomposition products:
 none if used for intended purpose none known

11. Toxicological information

In case of appropriate application no adverse effects have been reported up to now.

12. Ecological information

Henkel

Henkel KGaA

No.: DDE 00066460 00 Edition 03 Revision 1998-08-06 Page 3

Material Safety Data Sheet according to 91/155/EEC - ISO 11014-1

Glue sticks

Persistence and degradability:
The product is not biodegradable.

According to past experience, does not cause any disruptions in biological sewage plants provided it is used properly.

Keep from entering waste-water, soil or surface waters.

13. Disposal considerations

waste incineration with the approval of the responsible local authority.
Waste key number according to (LAGA) (Länderarbeitsgemeinschaft Abfall)(Germany): 55905

Use packages for recycling only when totally empty.

14. Transport information

Not a hazardous material according to RID/ADR, GGVS/CGVE, ADN, IMDG, ICAO-TI/IATA-DGR.

15. Regulatory information

Classification and labelling according to GefStoffV:

Symbols of danger:
Not subject of the identification regulations.

National prescriptions:

16. Other information

This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.