

1 Identification of substance

· **Product details**

- **Trade name:** *UHU Contact Cement Stick*
- **Application of the substance / the preparation** Adhesives

· **Manufacturer/Supplier:**

UHU GmbH & Co.KG
Herrmannstraße 7
D-77815 Bühl (Baden)
Tel.: 0049-(0)7223-284-0
email: info@uhu.boltongroup.de

Fax: 0049-(0)7223-284-245

· **Information department:** CRD

· **Emergency information:** 0049-(0)7223284-363/-370

2 Composition/Data on components

· **Chemical characterization**

· **Description:** Adhesive

· **Dangerous components:**

107-98-2	1-Methoxy-2-propanol	25-50%
108-65-6	2-Methoxy-1-methylethylacetat	10-25%
96-48-0	gamma-Butyrolacton	≤ 2.5%
141-78-6	Ethylacetat	≤ 2.5%

3 Hazards identification

· **Hazard description:** Not applicable.

· **Information pertaining to particular dangers for man and environment:**

The product has to be labelled due to the calculation procedure of international guidelines.
Flammable.

· **Classification system:**

The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.

· **NFPA ratings (scale 0 - 4)**



Health = 0
Fire = 2
Reactivity = 0

· **HMIS-ratings (scale 0 - 4)**



HEALTH 0 Health = 0
FIRE 2 Fire = 2
REACTIVITY 0 Reactivity = 0

4 First aid measures

- **General information:** Immediately remove any clothing soiled by the product.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:** Do not induce vomiting; immediately call for medical help.

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5 Fire fighting measures

- **Suitable extinguishing agents:**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Person-related safety precautions:** Ensure adequate ventilation
- **Measures for environmental protection:** Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:** Pick up mechanically.

7 Handling and storage

- **Handling:**
- **Information for safe handling:** Ensure good ventilation/exhaustion at the workplace.
- **Information about protection against explosions and fires:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Store in cool, dry conditions in well sealed receptacles.

8 Exposure controls and personal protection

- **Additional information about design of technical systems:** No further data; see item 7.

· **Components with limit values that require monitoring at the workplace:**

107-98-2 1-Methoxy-2-propanol

REL	Short-term value: 540 mg/m ³ , 150 ppm Long-term value: 360 mg/m ³ , 100 ppm
TLV	Short-term value: 553 mg/m ³ , 150 ppm Long-term value: 369 mg/m ³ , 100 ppm

141-78-6 Ethylacetat

PEL	1400 mg/m ³ , 400 ppm
REL	1400 mg/m ³ , 400 ppm
TLV	1440 mg/m ³ , 400 ppm

- **Additional information:** The lists that were valid during the creation were used as basis.
- **Personal protective equipment:**
- **General protective and hygienic measures:**
The usual precautionary measures for handling chemicals should be followed.
Keep away from foodstuffs, beverages and feed.
Avoid contact with the eyes.
Avoid direct contact with the chemical/ the product/ the preparation by organizational measures.
- **Breathing equipment:** Not required.
- **Protection of hands:**
Solvent resistant gloves
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- **Material of gloves**

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The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:** Safety glasses

9 Physical and chemical properties

· **General Information**

Form:	Solid
Color:	According to product specification
Odor:	Characteristic

· **Change in condition**

Melting point/Melting range:	85-89°C (185-192°F)
Boiling point/Boiling range:	120-150°C (248-302°F)

· **Flash point:** 35°C (95°F)

· **Flammability (solid, gaseous):** Flammable.

· **Ignition temperature:** 270°C (518°F)

· **Auto igniting:** Product is not selfigniting.

· **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapor mixtures are possible.

· **Explosion limits:**

Lower:	1.5 Vol %
Upper:	10.8 Vol %

· **Vapor pressure at 20°C (68°F):** 12 hPa (9 mm Hg)

· **Density:** Not determined.

· **Solubility in / Miscibility with**

Water:	Insoluble.
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· **Solvent content:**

Organic solvents:	64.9 %
VOC content:	64.9 %
	g/l / 5.50 lb/gl

· **Solids content:** 34.1 %

10 Stability and reactivity

· **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

· **Dangerous reactions** No dangerous reactions known.

· **Dangerous products of decomposition:** No dangerous decomposition products known.

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11 Toxicological information

· **Acute toxicity:**

· **LD/LC50 values that are relevant for classification:**

107-98-2 1-Methoxy-2-propanol

Oral	LD50	5660 mg/kg (rat)
Dermal	LD50	13000 mg/kg (rabbit)
Inhalative	LC50/4 h	6 mg/l (rat)

108-65-6 2-Methoxy-1-methylethylacetat

Oral	LD50	8532 mg/kg (rat)
Inhalative	LC50/4 h	35.7 mg/l (rat)

96-48-0 gamma-Butyrolacton

Oral	LD50	1540 mg/kg (rat)
Dermal	LD50	5000 mg/kg (gui)

141-78-6 Ethylacetat

Oral	LD50	5620 mg/kg (rabbit)
Inhalative	LC50/4 h	1600 mg/l (rat)

· **Primary irritant effect:**

- **on the skin:** No irritant effect.
- **on the eye:** Irritating effect.
- **Sensitization:** No sensitizing effects known.

12 Ecological information

· **General notes:**

Water hazard class 1 (Self-assessment): slightly hazardous for water
Do not allow product to reach ground water, water course or sewage system.

13 Disposal considerations

· **Product:**

· **Recommendation:** Disposal must be made according to official regulations.

· **Uncleaned packagings:**

· **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

· **DOT regulations:**

- **Hazard class:** 4.1
- **Identification number:** UN3175
- **Proper shipping name (technical name):** SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (1-METHOXY-2-PROPANOL, 2-Methoxy-1-methylethylacetat)

· **Land transport ADR/RID (cross-border):**



- **ADR/RID class:** 4.1 Flammable solids, self-reactive substances and solid desensitized explosives

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· **Danger code (Kemler):** 40
 · **UN-Number:** 3175
 · **Packaging group:** II
 · **Label:** 4.1
 · **Description of goods:** 3175 SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (1-METHOXY-2-PROPANOL, 2-Methoxy-1-methylethylacetat)

· **Maritime transport IMDG:**



· **IMDG Class:** 4.1
 · **UN Number:** 3175
 · **Label:** 4.1
 · **Packaging group:** II
 · **EMS Number:** F-A,S-I
 · **Marine pollutant:** No
 · **Propper shipping name:** SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (1-METHOXY-2-PROPANOL, 2-methoxy-1-methylethyl acetate)

· **Air transport ICAO-TI and IATA-DGR:**



· **ICAO/IATA Class:** 4.1
 · **UN/ID Number:** 3175
 · **Label:** 4.1
 · **Packaging group:** II
 · **Propper shipping name:** SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (1-METHOXY-2-PROPANOL, 2-methoxy-1-methylethyl acetate)

15 Regulations

· **Sara**

· **Section 355 (extremely hazardous substances):**

None of the ingredient is listed.

· **Section 313 (Specific toxic chemical listings):**

None of the ingredients is listed.

· **TSCA (Toxic Substances Control Act):**

107-98-2 1-Methoxy-2-propanol

108-65-6 2-Methoxy-1-methylethylacetat

96-48-0 gamma-Butyrolacton

141-78-6 Ethylacetat

· **Proposition 65**

· **Chemicals known to cause cancer:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

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· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

· **Cancerogenity categories**

· **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

· **IARC (International Agency for Research on Cancer)**

96-48-0 | gamma-Butyrolacton

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· **NTP (National Toxicology Program)**

None of the ingredients is listed.

· **TLV (Threshold Limit Value established by ACGIH)**

None of the ingredients is listed.

· **MAK (German Maximum Workplace Concentration)**

None of the ingredients is listed.

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

· **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

· **Product related hazard informations:**

The product has been classified and marked in accordance with directives on hazardous materials.

· **Risk phrases:**

Flammable.

· **Safety phrases:**

Keep container tightly closed and in a well-ventilated place.

Keep away from sources of ignition - No smoking.

Avoid contact with skin and eyes.

Use only in well-ventilated areas.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Department issuing MSDS: CRD**

· **Contact:**

Frau A. Liar,

Herr Dr. C. Hanf