

**UHU****Material Safety Data Sheet**  
acc. to ISO/DIS 11014

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Printing date 04/27/2009

Reviewed on 04/27/2009

**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
- **Information department: CRD**
- **Emergency information: 0049-(0)7223284-363/-370**

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

**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)**

· **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:**  
CO<sub>2</sub>, 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 <sup>3</sup> , 150 ppm Long-term value: 360 mg/m <sup>3</sup> , 100 ppm
TLV	Short-term value: 553 mg/m <sup>3</sup> , 150 ppm Long-term value: 369 mg/m <sup>3</sup> , 100 ppm

**141-78-6 Ethylacetat**

PEL	1400 mg/m <sup>3</sup> , 400 ppm
REL	1400 mg/m <sup>3</sup> , 400 ppm
TLV	1440 mg/m <sup>3</sup> , 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 through 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**

<b>Form:</b>	Solid
<b>Color:</b>	According to product specification
<b>Odor:</b>	Characteristic

- **Change in condition**

<b>Melting point/Melting range:</b>	85-89°C (185-192°F)
<b>Boiling point/Boiling range:</b>	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:**

<b>Lower:</b>	1.5 Vol %
<b>Upper:</b>	10.8 Vol %

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

- **Density:** Not determined.

- **Solubility in / Miscibility with**

<b>Water:</b>	Insoluble.
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- **Solvent content:**

<b>Organic solvents:</b>	64.9 %
<b>VOC content:</b>	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-1  
 · **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.

· **Carcinogeny 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

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