

**Safety Data Sheet**  
**according to Regulation (EC) No. 1907/2006 (REACH)**

**WENCON®**

**Trade name :** Wencon Putty  
**Revision date :** 07.02.2018  
**Print date :** 07-02-2018

**Version (Revision) :** 5.0.0 (4.0.0)

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

**1.1 Product identifier**

Wencon Putty (WENCON PUTTY)  
PR-number (Danish): 1404817

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

Solvent free two component compound

**Relevant identified uses**

In compliance with the conditions described in the annex to this safety data sheet. See section 16 for a comprehensive list of uses, for which an exposure scenario is provided as an annex.

**Sector of uses [SU]**

SU22 - Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

**Article categories [AC]**

AC7 - Metal articles

**Process categories [PROC]**

PROC19 - Hand-mixing with intimate contact and only PPE available

PROC21 - Low energy manipulation of substances bound in materials and/or articles

PROC24 - High (mechanical) energy work-up of substances bound in materials and/or articles

**Environmental release categories [ERC]**

ERC8c - Wide dispersive indoor use resulting in inclusion into or onto a matrix

ERC8f - Wide dispersive outdoor use resulting in inclusion into or onto a matrix

ERC10a - Wide dispersive outdoor use of long-life articles and materials with low release

ERC11a - Wide dispersive indoor use of long-life articles and materials with low release

**Uses advised against**

Do not use for private purposes (household).

**Remark**

The product is intended for professional use.

**1.3 Details of the supplier of the safety data sheet**

**Supplier (manufacturer) :**

Wencon ApS

**Street :**

Jyllandsvej 15

**Postal code/city :**

DK-5400 BOGENSE

**Telephone :**

+45 6481 1010

**Information contact :**

wencon@wencon.com

**1.4 Emergency telephone number**

+44 870 600 62 66 (UK National Poisons Emergency Number)

European emergency number: 112. Danmark: (Giftlinjen +45 82 12 12 12), only for the purpose of informing medical personnel in cases of acute intoxications.

**SECTION 2: Hazards identification**

**2.1 Classification of the substance or mixture**

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

Eye Irrit. 2 ; H319 - Serious eye damage/eye irritation : Category 2 ; Causes serious eye irritation.

Skin Irrit. 2 ; H315 - Skin corrosion/irritation : Category 2 ; Causes skin irritation.

Skin Sens. 1 ; H317 - Skin sensitisation : Category 1 ; May cause an allergic skin reaction.

**2.2 Label elements**

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

**Hazard pictograms**

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Exclamation mark (GHS07)

**Signal word**

Warning

**Hazard components for labelling**

2,2-BIS-(4-(2,3-EPOXYPROPOXY) PHENYL) PROPANE, POLYMER ; CAS No. : 25085-99-8

2,4,6-TRIS(DIMETHYLAMINOMETHYL)PHENOL ; CAS No. : 90-72-2

**Hazard statements**

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

**Precautionary statements**

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P264 Wash hands thoroughly after handling.

P272 Contaminated work clothing should not be allowed out of the workplace.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P337+P313 If eye irritation persists: Get medical advice/attention.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**Special rules for supplemental label elements for certain mixtures**

EUH205 Contains epoxy constituents. May produce an allergic reaction.

**2.3 Other hazards**

None

**SECTION 3: Composition/information on ingredients**

**3.2 Mixtures**

**Hazardous ingredients**

2,2-BIS-(4-(2,3-EPOXYPROPOXY) PHENYL) PROPANE, POLYMER ; CAS No. : 25085-99-8

Weight fraction :  $\geq 10 - < 25$  %

Classification 1272/2008 [CLP] : Skin Irrit. 2 ; H315 Skin Sens. 1 ; H317 Eye Irrit. 2 ; H319

2,4,6-TRIS(DIMETHYLAMINOMETHYL)PHENOL ; REACH registration No. : 01-211950597-27 ; EC No. : 202-013-9; CAS No. : 90-72-2

Weight fraction :  $\geq 1 - < 2,5$  %

Classification 1272/2008 [CLP] : Skin Corr. 1C ; H314 Skin Sens. 1B ; H317 Aquatic Chronic 3 ; H412

CARBON BLACK ; REACH registration No. : 01-2119384822-32 ; EC No. : 215-609-9; CAS No. : 1333-86-4

Weight fraction :  $\geq 1 - < 2,5$  %

Classification 1272/2008 [CLP] : None

**Additional information**

Full text of H- and EUH-phrases: see section 16.

**SECTION 4: First aid measures**

**4.1 Description of first aid measures**

**General information**

When in doubt or if symptoms are observed, get medical advice. Never give anything by mouth to an unconscious person or a person with cramps. In case of allergic symptoms, especially in the breathing area, seek medical advice immediately. If unconscious place in recovery position and seek medical advice.

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#### **Following inhalation**

Remove casualty to fresh air and keep warm and at rest. If breathing is irregular or stopped, administer artificial respiration.

#### **In case of skin contact**

In case of skin reactions, consult a physician. Immediately remove any contaminated clothing, shoes or stockings. After contact with skin, wash immediately with plenty of water and soap. Do not use force or solvents to remove product incrustations from affected skin areas. Do not let product dry on skin.

#### **After eye contact**

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

#### **After ingestion**

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Do NOT induce vomiting. Keep at rest.

#### **Self-protection of the first aider**

First aider: Pay attention to self-protection!

### **4.2 Most important symptoms and effects, both acute and delayed**

#### **Effects**

After eye contact  
Irritating to eyes.

In case of skin contact  
Irritating to skin. May cause an allergic skin reaction.

### **4.3 Indication of any immediate medical attention and special treatment needed**

None

## **SECTION 5: Firefighting measures**

### **5.1 Extinguishing media**

#### **Suitable extinguishing media**

alcohol resistant foam

#### **Unsuitable extinguishing media**

Water spray jet

### **5.2 Special hazards arising from the substance or mixture**

Burning produces heavy smoke. Use suitable breathing apparatus.

#### **Hazardous combustion products**

Carbon monoxide

### **5.3 Advice for firefighters**

Use water spray jet to protect personnel and to cool endangered containers. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

#### **Special protective equipment for firefighters**

Wear a self-contained breathing apparatus and chemical protective clothing.

### **5.4 Additional information**

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

## **SECTION 6: Accidental release measures**

### **6.1 Personal precautions, protective equipment and emergency procedures**

#### **For non-emergency personnel**

Do not breathe gas/fumes/vapour/spray. Remove all sources of ignition. Provide adequate ventilation. Remove persons to safety. Use personal protection equipment. See protective measures under point 7 and 8.

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### For emergency responders

Do not breathe gas/fumes/vapour/spray. Use personal protection equipment. See protective measures under point 7 and 8.

### 6.2 Environmental precautions

Do not allow to enter into surface water or drains. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities. Ensure waste is collected and contained.

### 6.3 Methods and material for containment and cleaning up

#### For containment

Ensure waste is collected and contained.

#### For cleaning up

Clean contaminated articles and floor according to the environmental legislation. Clean with detergents. Avoid solvent cleaners. Treat the recovered material as prescribed in the section on waste disposal.

### 6.4 Reference to other sections

None

## SECTION 7: Handling and storage



### 7.1 Precautions for safe handling

#### Protective measures

It is recommended to design all work processes always so that the following is excluded: Inhalation of vapours or spray/mists Skin contact Eye contact Do not breathe gas/fumes/vapour/spray. When using do not eat, drink, smoke, sniff. Wear personal protection equipment (refer to section 8). Never use pressure to empty container. Use only in well-ventilated areas.

#### Measures to prevent fire

Keep away from sources of ignition. - No smoking.

#### Environmental precautions

Do not allow to enter into surface water or drains.

### 7.2 Conditions for safe storage, including any incompatibilities

#### Requirements for storage rooms and vessels

Only use containers specifically approved for the substance/product. Keep/Store only in original container. Keep container tightly closed.

#### Hints on joint storage

Keep away from:

#### Further information on storage conditions

Keep only in the original container in a cool, well-ventilated place. Store in a place accessible by authorized persons only. Handle and open container with care.

### 7.3 Specific end use(s)

Observe instructions for use. The regulations of the national employment safety and employment protection commission about the handling for polyurethane/epoxy have to be observed.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

None

### 8.2 Exposure controls

#### Personal protection equipment

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## Eye/face protection

### Suitable eye protection

Eye glasses with side protection

## Skin protection

### Hand protection

The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. Wear cotton undermitten if possible.

**Suitable gloves type :** Disposable gloves.

**Suitable material :** NBR (Nitrile rubber)

**Required properties :** liquid-tight.

**Breakthrough time (maximum wearing time) :** > 60 minutes

**Thickness of the glove material :** > 0.5 mm

**Recommended glove articles :** EN 374

**Additional hand protection measures :** Do not wear gloves near rotary machines and tools. Check leak tightness/impermeability prior to use. Wear cotton undermitten if possible. Use gloves only once. Take recovery periods for skin regeneration.

**Remark :** For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. Observe the wear time limits as specified by the manufacturer. Breakthrough times and swelling properties of the material must be taken into consideration. In the case of wanting to use the gloves again, clean them before taking off and air them well. When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. Barrier creams are not substitutes for body protection.

### Body protection

**Remark :** Body protection: not required.

## Respiratory protection

exceeding exposure limit values

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

### Suitable respiratory protection apparatus

Combination filtering device (EN 14387). Filtering device (DIN EN 147). Full-/half-/quarter-face masks (DIN EN 136/140). Filtering Half-face mask (DIN EN 149). Particle filter device (DIN EN 143).

Filtering device (full mask or mouthpiece) with filter: A P

### Additional measures for respiratory protection

Filter types: A, B, E, K. Class 1: Maximum permitted contaminant concentration in inhaled air = 1000 mL/m<sup>3</sup> (0.1 % by vol.); class 2: maximum permitted contaminant concentration in inhaled air = 5000 mL/m<sup>3</sup> (0.5 % by vol.); class 3: maximum permitted contaminant concentration in inhaled air = 10000 mL/m<sup>3</sup> (1.0 % by vol.) Half-face mask or quarter facepiece: maximum use concentration for substances with exposure limits: P1 filter: up to a max. of 4 times the exposure limit. P2 filter: up to a max. of 10 times the exposure limit. P3 filter: up to a max. of 30 times the exposure limit. Full-face mask or mouthpiece with particulate filter: maximum use concentration for substances with exposure limits: P1 filter: up to a max. of 4 times the exposure limit. P2 filter: up to a max. of 15 times the exposure limit. P3 filter: up to a max. of 400 times the exposure limit.

### Remark

The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.

## General health and safety measures

When using do not eat, drink, smoke, sniff. Avoid contact with skin, eyes and clothes. Wash hands before breaks and after work. Immediately remove any contaminated clothing, shoes or stockings.

## Occupational exposure controls

### Product related measures to prevent exposure

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Further information: see technical data sheet.

## Instructional measures to prevent exposure

Further information: see technical data sheet.

## Organisational measures to prevent exposure

Further information: see technical data sheet.

## Technical measures to prevent exposure

Technical measures and the application of suitable work processes have priority over personal protection equipment. See section 7. No additional measures necessary.

## Environmental exposure controls

Do not allow to enter into surface water or drains.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

**Appearance :** putty stick

#### Appearance

**Colour :** black

#### Safety relevant basis data

<b>Melting point/melting range :</b>				not applicable
<b>Initial boiling point and boiling range :</b>	( 1013 hPa )			No data available
<b>Decomposition temperature :</b>				No data available
<b>Flash point :</b>	>	100	°C	DIN 53213-1
<b>Ignition temperature :</b>				No data available
<b>Evaporation rate :</b>	<	1		
<b>Flammable gases :</b>				Not applicable.
<b>Flammable solids :</b>				Not applicable.
<b>Oxidising properties.</b>				No data available.
<b>Lower explosion limit :</b>				No data available
<b>Upper explosion limit :</b>				No data available
<b>Explosive properties :</b>				No data available.
<b>Vapour pressure :</b>	( 50 °C )	<	1000	hPa
<b>Relative vapour density :</b>				No data available
<b>Relative density :</b>	( 20 °C )		1,7	g/cm <sup>3</sup> DIN 53217
<b>Water solubility :</b>	( 20 °C )			insoluble
<b>Partition coefficient n-octanol/water :</b>				No data available
<b>pH :</b>				No data available
<b>Viscosity :</b>	( 20 °C )			not applicable
<b>Cinematic viscosity :</b>	( 40 °C )			No data available
<b>Odour threshold :</b>				No data available

### 9.2 Other information

None

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No information available.

### 10.2 Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

### 10.3 Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

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#### 10.4 Conditions to avoid

Ignition hazard.

#### 10.5 Incompatible materials

No information available.

#### 10.6 Hazardous decomposition products

Does not decompose when used for intended uses.

### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

This mixture is classified as hazardous according to regulation (EC) No. 1272/2008 [CLP].

##### Acute effects

###### Acute oral toxicity

Parameter :	LD50 ( 2,2-BIS-(4-(2,3-EPOXYPROPOXY) PHENYL) PROPANE, POLYMER ; CAS No. : 25085-99-8 )
Exposure route :	Oral
Species :	Rat
Effective dose :	> 5000 mg/kg
Parameter :	LD50 ( QUARTZ (SiO <sub>2</sub> ) ; CAS No. : 14808-60-7 )
Exposure route :	Oral
Effective dose :	500 mg/kg

###### Acute dermal toxicity

Parameter :	LD50 ( 2,2-BIS-(4-(2,3-EPOXYPROPOXY) PHENYL) PROPANE, POLYMER ; CAS No. : 25085-99-8 )
Exposure route :	Dermal
Species :	Rabbit
Effective dose :	20000 mg/kg

##### Irritant and corrosive effects

###### Primary irritation to the skin

Irritating to skin.

###### Irritation to eyes

Irritating to eyes.

##### Sensitisation

Harmful: possible risk of irreversible effects through inhalation, in contact with skin and if swallowed. Risk of serious damage to eyes. Harmful: danger of serious damage to health by prolonged exposure through inhalation, in contact with skin and if swallowed.

###### In case of skin contact

May cause an allergic skin reaction.

### SECTION 12: Ecological information

#### 12.1 Toxicity

There are no data available on the mixture itself.

##### Aquatic toxicity

The substance/mixture does not fulfill the criteria of the acute aquatic toxicity according to Regulation (EC) No 1272/2008 [CLP], Annex I.

###### Acute (short-term) algae toxicity

Parameter :	EC50 ( 2,2-BIS-(4-(2,3-EPOXYPROPOXY) PHENYL) PROPANE, POLYMER ; CAS No. : 25085-99-8 )
Species :	Daphnia magna (Big water flea)
Effective dose :	1,4 mg/l
Exposure time :	48 h
Parameter :	EC50 ( 2,4,6-TRIS(DIMETHYLAMINOMETHYL)PHENOL ; CAS No. : 90-72-2 )

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Species : Daphnia magna (Big water flea)  
Effective dose : 41,3 mg/l  
Exposure time : 48 h  
Parameter : EC50 ( 2,4,6-TRIS(DIMETHYLAMINOMETHYL)PHENOL ; CAS No. : 90-72-2 )  
Species : Algae  
Evaluation parameter : Acute (short-term) algae toxicity  
Effective dose : 84 mg/l  
Exposure time : 72 h

**Sediment toxicity**

**Toxicity to soil macroorganisms**

**Acute earthworm toxicity**

**Chronical earthworm toxicity (reproduction)**

**Long-term toxicity of organisms living in the sediment**

**12.2 Persistence and degradability**

**Abiotic degradation**

**Abiotic degradation in Water**

**Hydrolysis**

**Biodegradation**

Parameter : Biodegradation ( QUARTZ (SIO2) ; CAS No. : 14808-60-7 )  
Inoculum : Biodegradation  
Effective dose : -

**12.3 Bioaccumulative potential**

No information available.

**12.4 Mobility in soil**

No information available.

**12.5 Results of PBT and vPvB assessment**

No information available.

**12.6 Other adverse effects**

No information available.

**12.7 Additional ecotoxicological information**

The ecotoxicological properties of this mixture are determined by the ecotoxicological properties of the single components (see section 3). Do not allow to enter into surface water or drains.

**SECTION 13: Disposal considerations**

**13.1 Waste treatment methods**

**Product/Packaging disposal**

Do not allow to enter into surface water or drains.

**Waste treatment options**

**Appropriate disposal / Product**

Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste. Dispose of waste according to applicable legislation.

**Appropriate disposal / Package**

Contaminated packages must be completely emptied and can be re-used following proper cleaning. Packing which cannot be properly cleaned must be disposed of. Handle contaminated packages in the same way as the substance itself.

**SECTION 14: Transport information**

**14.1 UN number**

No dangerous good in sense of these transport regulations.



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**14.2 UN proper shipping name**

No dangerous good in sense of these transport regulations.

**14.3 Transport hazard class(es)**

No dangerous good in sense of these transport regulations.

**14.4 Packing group**

No dangerous good in sense of these transport regulations.

**14.5 Environmental hazards**

No dangerous good in sense of these transport regulations.

**14.6 Special precautions for user**

None

**SECTION 15: Regulatory information**

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

**National regulations**

**MAL code number according to Executive Order no. 301 from 13 May 1993 on the determination of code numbers (The Danish Working Environment Service)**

MAL code number 00-5

**15.2 Chemical safety assessment**

Chemical safety assessments for substances in this mixture were not carried out.

**SECTION 16: Other information**

**16.1 Indication of changes**

03. Hazardous ingredients

**16.2 Abbreviations and acronyms**

ADR = European Agreement concerning the International Carriage of Dangerous Goods by Road

ASTM = American Society of Testing and Materials (US)

CAS No = Chemical Abstracts Service Number (see ACS - American Chemical Society)

DNEL = Derived No-Effect Level

DT50 = Time for 50% loss; half-life

EbC50 = Median effective concentration (biomass, e.g. of algae)

EC50 = Median effective concentration

EINECS = European Inventory of Existing Commercial Chemical Substances

ELINCS = European List of Notified (New) Chemicals (see Tab 7, Background - Guide)

ErC50 = Median effective concentration (growth rate, e.g. of algae)

EWC = European Waste Catalogue

IATA = International Air Transport Association

IC50 = Concentration that produces 50% inhibition

IMDG = International Maritime Dangerous Goods Code

IMO = International Maritime Organization

LC50 = Concentration required to kill 50% of test organisms

LD50 = Dose required to kill 50% of test organisms

LEL = Lower Explosive Limit/Lower Explosion Limit

LOAEL = Lowest observed adverse effect level

MRL = Maximum Residue Limit

NOAEL = No Observed Adverse Effect Level

NOEC = No observed effect concentration

NOEL = No Observable Effect Level

OEL = Occupational Exposure Limits

PBT = Persistent, Bioaccumulative or Toxic

PNEC = Previsible Non Effect Concentration

STEL = Short-Term Exposure Limit

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TWA = Time-Weighted Average  
vPvB = Very Persistent and Very Bioaccumulative

**16.3 Key literature references and sources for data**

None

**16.4 Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]**

No information available.

**16.5 Relevant H- and EUH-phrases (Number and full text)**

H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H412	Harmful to aquatic life with long lasting effects.

**16.6 Training advice**

The regulations of the national employment safety and employment protection commission about the handling for polyurethane/epoxy have to be observed.

**16.7 Additional information**

This safety data sheet contains more than one ES in an integrated form. Contents of the exposure scenarios have been included into sections 1.2, 8, 9, 12, 15 and 16 of this safety data sheet.

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The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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