



Trade name : WENCON PUTTY

Revision date: 09.07.2025 **Version**: 8.0.0 (7.0.0)

Print date : 09-07-2025

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

1.1 Product identifier

WENCON PUTTY (99900100) UFI: D300-W0XG-F00P-G5T9

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

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.

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

Responsible for the safety data sheet (e-mail): wencon@wencon.com

1.4 Emergency telephone number

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

NHS (England or Wales): Dial 111 or 0845 4647. NHS 24 (Scotland): Dial 111

National Poisons Information Centre (Ireland): +353 (1) 809 2166 (8.00 a.m. to 10.00 p.m. 7 days a week)

Healthcare Professionals: +353 (1) 809 2566 (24-hour service)

European emergency number: 112.

Denmark: (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]

Skin Irrit. 2;H315 Eye Irrit. 2;H319 Skin Sens. 1;H317 Aquatic Chronic 3;H412

2.2 Label elements

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

Hazard pictograms



Exclamation mark (GHS07)

Signal word

Warning

Hazard components for labelling

2,2-BIS-(4-(2,3-EPOXYPROPOXY) PHENYL) PROPANE, POLYMER

PHENOL-FORMALDEHYDE POLYMER GLYCIDYL ETHER

REACTION PRODUCT: BISPHENOL A-(EPICHLORHYDRIN), EPOXY RESIN (NUMBER AVERAGE MOLECULAR WEIGHT <= 700)

Hazard statements

H315 Causes skin irritation.





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H317 May cause an allergic skin reaction. H319 Causes serious eye irritation.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P264 Wash hands thoroughly after handling.
P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P337+P313 If eye irritation persists: Get medical advice/attention.
P362+P364 Take off contaminated clothing and wash it before reuse.

Special rules for supplemental label elements for certain mixtures: Not relevant

2.3 Other hazards

Adverse human health effects and symptoms

Possible adverse effects on humans and possible symptoms

PBT/vPvB: The substances are not classified as PBT (Persistent, Bioaccumulative, Toxic) or vPvB (very Persistent, very

Bioaccumulative) according to the criteria in Regulation 2023/707.

Endocrine disrupting properties: The substances are not considered endocrine disruptors according to the criteria in Regulation 2023/707.

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 PHENOL-FORMALDEHYDE POLYMER GLYCIDYL ETHER; EC No. : 608-164-0; CAS No. : 28064-14-4

Weight fraction : \geq 2.5 - < 10 %

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

Aquatic Chronic 2;H411 (see note 1))

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

Index No.: 603-069-00-0

Weight fraction : $\geq 1 - < 2.5 \%$

Classification 1272/2008 [CLP]: Acute Tox. 4;H302 Skin Irrit. 2;H315 Eye Irrit. 2;H319

ATE (oral) = 1673 mg/kg

CARBON BLACK; REACH 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 (see note 3))

QUARTZ (SIO2); REACH No.: None; EC No.: 238-878-4; CAS No.: 14808-60-7

Weight fraction : \geq 1 - < 2.5 % Classification 1272/2008 [CLP] : None (see note 3))

REACTION PRODUCT: BISPHENOL A-(EPICHLORHYDRIN) EPOXY RESIN (NUMBER AVERAGE MOLECULAR WEIGHT <= 700);

REACH No.: 01-2119456619-26; EC No.: 500-033-5; CAS No.: 25068-38-6; Index No.: 603-074-00-8

Weight fraction: < 0.5 %

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

2;H411 (see note 1), 4))

Specific Conc. Limits : Eye Irrit. 2;H319: $C \ge 5\%$; Skin Irrit. 2;H315: $C \ge 5\%$

Additional information

Wording of hazard statements and EU hazard indications: see SECTION 16.

1) Epoxy resin.





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2) ATE (oral) = 1673 mg/kg.

- 3) The substance (in dust form) is included on the Danish Working Environment Authority's list of substances considered to be carcinogenic.
- 4) SCL (Specific Concentration Limits) for classification: Eye Irrit. 2; H319: C ≥ 5%; Skin Irrit. 2; H315: C ≥ 5% (harmonised)

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 but breathing normally, place in recovery position and seek medical advice.

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.

Following 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

Skin and eye irritation with redness and pain. Even short-term skin contact may cause sensitisation with eczema, itching, redness, papules and blisters.

4.3 Indication of any immediate medical attention and special treatment needed

Show this safety data sheet to a physician or emergency department.

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

Avoid inhalation of combustion fumes. In case of fire, very toxic gases are formed, primarily carbon oxides and nitrogen oxides.

5.3 Advice for firefighters

Remove containers if possible or cool with water. Use self-contained breathing apparatus in case of heavy smoke development.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment – see Section 8. Limit the spread. Ensure adequate ventilation.

6.2 Environmental precautions





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Avoid discharge to the sewage system – see Section 12. Notify local environmental authorities in case of release to the environment.

6.3 Methods and material for containment and cleaning up

Spillages and residues must be collected in a dedicated waste container labelled, for example: "Epoxy waste. Caution! Risk of eczema."

Rinse thoroughly with water afterwards. For further handling of waste, see Section 13.

6.4 Reference to other sections

See above.

SECTION 7: Handling and storage



7.1 Precautions for safe handling

Unauthorised persons must be kept away from the work area. Work must be planned and carried out in such a way that skin contact is avoided. Avoid contact with eyes and clothing. Wash immediately if skin becomes contaminated. Change contaminated clothing immediately. Access to water and an eye wash bottle must be available. Work clothing used when handling the material must not be worn during meals. Eating and smoking are prohibited during use.

7.2 Conditions for safe storage, including any incompatibilities

Store in a dry and cool place in tightly closed original packaging.

Securely stored, inaccessible to unauthorized persons, and separated from foodstuffs, animal feed, medicines, and similar products.

7.3 Specific end use(s)

See use – Section 1.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits (Denmark):

	8-hour limit	Short-term limit	Note
Carbon black	3,5 mg/m3	7 mg/m3	К
Quartz, total	0,3 mg/m3	0,6 mg/m3	-
Quartz, respirable	0,1 mg/m3	0,2 mg/m3	EK

E: The substance has an EU limit value.

K: Considered to be carcinogenic.

DNEL:	Exposure	Value	Population	Effekts
Reaction product:	Long-term inhalation	12,25 mg/m3	Worker	Systemic
bisphenol-A-	Acute inhalation	12,25 mg/m3	Worker	Systemic
diglycidylether,				
homologues Mv < 700				

PNEC: Not established.

8.2 Exposure controls

Appropriate engineering controls: Use effective process ventilation.

Personal protection equipment

according to Regulation (EC) No. 1907/2006 (REACH)



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Eye/face protection

Suitable eye protection

Tightly fitting safety goggles (EN ISO 16321-1).

Skin protection

Wear gloves made of e.g., nitrile rubber (EN 374) (thickness >0.5 mm) in case of risk of direct contact or splashes. Breakthrough time: 60 min. Optionally wear a cotton glove underneath to minimize sweating.

Respiratory protection

In case of insufficient ventilation, use approved mask (EN 147) with combination filter type AP2 (brown – for organic vapours/particle filter) (EN 140). Filters have limited service life (must be replaced). Follow manufacturer instructions.

General information

Personal protective equipment must not be worn during meal breaks and must be stored separately from other clothing. For disposal or cleaning, PPE must be stored and discarded in a closed plastic bag labelled "Contains a substance subject to Danish occupational cancer regulations."

Environmental exposure controls

Avoid discharge to the environment.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance :

Physical state: paste
Colour: grey
Odour: characteristic

Safety characteristics

 Flash point:
 >
 100
 °C
 DIN 53213-1

Evaporation rate: < 1

Vapour pressure : $(50\,^{\circ}\text{C})$ < $1000\,^{\circ}\text{hPa}$

 $\textbf{Relative density}: \hspace{1cm} (20\,^{\circ}\text{C}) \hspace{1cm} \text{g/cm}^{3} \hspace{1cm} \text{DIN 53217}$

Viscosity: (20°C) approx. 900 mPa*s

Melting point/freezing point : not applicable Initial boiling point and boiling range: No data available Decomposition temperature : No data available Auto-ignition temperature : No data available Flammable gases: Not applicable. Flammable solids: Not applicable. Oxidising properties. No data available. Lower explosion limit : No data available Upper explosion limit : No data available No data available. Explosive properties: No data available Relative vapour density: Water solubility: practically insoluble

Partition coefficient n-octanol/water : not relevant – mixture (see Section 12)

pH: No data available
Flow time: not determined
Kinematic viscosity: No data available
Odour threshold: No data available
Particle characteristics: No data available

9.2 Other information

Evaporation rate: <1

Viscosity (nPa·s at 20 °C): approx. 900





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SECTION 10: Stability and reactivity

10.1 Reactivity

No information available.

10.2 Chemical stability

Generally stable under the recommended storage and use conditions (see Section 7).

10.3 Possibility of hazardous reactions

None known.

10.4 Conditions to avoid

Avoid excessive heating and sources of ignition.

10.5 Incompatible materials

None known.

10.6 Hazardous decomposition products

When heated to very high temperatures (thermal decomposition), very toxic gases are released, primarily carbon oxides and nitrogen oxides.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity: Based on available data, the classification criteria are not met.

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

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

Respiratory or skin sensitization: Skin Sens. 1;H317 May cause an allergic skin reaction. Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.

Reproductive toxicity: Based on available data, the classification criteria are not met.

STOT-single exposure: Based on available data, the classification criteria are not met.

 ${\it STOT-repeated\ exposure:\ Based\ on\ available\ data,\ the\ classification\ criteria\ are\ not\ met.}$

Aspiration hazard: Based on available data, the classification criteria are not met.

Hazard class	Data	Test	Data source
Acute toxicity:			
Inhalation	No data available.	-	-
Dermal	LC ₅₀ (rabbit) > 2000 mg/kg (Epoxy)	No info	Supplier
	LC ₅₀ (rat) = 1673 mg/kg (90-72-2)	No info	ECHA
Oral	LC ₅₀ (rat) > 5000 mg/kg (Epoxy)	No info	Supplier
	LC ₅₀ (rat) = 1673 mg/kg (90-72-2)	No info	ECHA
Corrosion/	Moderate skin irritation, rabbit, 500 μl/24H (Epoxy)	Draize	ECHA
irritation:	Eye irritation, rabbit (Epoxy)	OECD 405	ECHA
	Skin corrosion, rabbit (90-72-2)	OECD 404	IUCLID
Sensitization:	Moderate skin sensitization potential (NOEL = 3%, EC ₃ = 5,7%) (Epoxy)	OECD 429	ECHA
	Extreme skin sensitization potential, guinea pig (Epoxy)	OECD 406	ECHA
CMR:	No data available	-	-

Information on likely routes of exposure: Skin, lungs and gastrointestinal tract.

Symptoms:

Inhalation: Not likely at room temperature due to low volatility. If the product is heated, irritating fumes may be released.

Skin: Irritation with redness and pain. Eyes: Irritation with redness and pain.

Ingestion: Irritation of the gastrointestinal tract with stomach pain, vomiting and nausea.

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according to Regulation (EC) No. 1907/2006 (REACH)



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Chronic effects:

Hypersensitivity to epoxy can occur after short-term contact and manifests itself as eczema with itching, redness, skin bumps and possibly blistering. The product contains carbon black, which is considered to be carcinogenic. The substance has caused cancer by inhalation in animal experiments (rats), but since this material is not expected to be inhaled, the risk of developing cancer in humans when working with the product must therefore be considered minimal. In several skin brushing experiments with mice, no carcinogenic effect was seen on the skin. Carbon black is classified by IARC as group 2B (possibly carcinogenic to humans). This IARC-classification is not necessarily sufficient for classification as carcinogenic by CLP. Inhalation of crystalline quartz can cause silicosis (dust lung disease) with permanent lung damage and reduced lung function, resulting in shortness of breath.

11.2 Information on other hazards

None known.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic	Data	Test	Data source
Fish	LC ₅₀ (Oncorhynchus mykiss, 96h) = 1.75 mg/l (Epoxy)	OECD 203 (FW)	ECHA
	LC ₅₀ (Oncorhynchus mykiss, 96h): 180-240 mg/l (90-72-2)	No info (FW)	Supplier
	LC ₅₀ (Cyprinus carpio, 96h) = 175 mg/l (90-72-2)	No info (FW)	Supplier
Daphnia	EC ₅₀ (Daphnia magna, 48h) = 1.7 mg/l (Epoxy)	OECD 202 (FW)	ECHA
Algae	EC ₅₀ (Scenedesmus capricornutum, 72h) = 11 mg/l (Epoxy)	OECD 201 (FW)	ECHA
	NOEC (Scenedesmus capricornutum, 72h) = 4.2 mg/l (Epoxy)	OECD 201 (FW)	ECHA
	EC ₅₀ (Desmodesmus subspicatus, 72h) = 84 mg/l (90-72-2)	OECD 201 (FW)	Supplier
	NOEC (Desmodesmus subspicatus, 72h) = 6.25 mg/l (90-72-2)	OECD 201 (FW)	Supplier

12.2 Persistence and degradability

Epoxy is degraded 12% in 28 days, and is therefore not readily biodegradable (OECD 301B).

 $90\mbox{-}72\mbox{-}2$ is degraded 4% in 28 days in a OECD 301D test, and is therefore not readily biodegradable.

Carbon black and crystalline quartz are inorganic. Methods for the determination of the biological degradation is not applicable to inorganic substances.

12.3 Bioaccumulative potential

Epoxy: Log K_{ow} = 3.242 (moderate bioaccumulative effect) (EU method A.8).

90-72-2: Log K_{ow} = 0.77. BCF = 3 (no significant bio accumulative effect).

12.4 Mobility in soil

Epoxy: K_{oc}: 1800-4400 (very limited mobility in soil environments is expected).

90-72-2: K_{oc} (calculated) = 15130 (immobility in soil environments is expected).

The epoxy product is not soluble in water, but will settle and mix with the sediment. However, over time there is a risk that some of the ingredients will dissolve

and spread in the aquatic environment.

12.5 Results of PBT and vPvB assessment

The ingredients are not considered PBT/vPvB according to criteria in Regulation 2023/707.

12.6 Endocrine disrupting properties

None known.

12.7 Other adverse effects

None known.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

The chemical must be regarded as hazardous waste. Alternatively, use the municipal collection and disposal scheme. chemical disposal company.

Chemical waste group: EWC-code: 08 04 09 (residues)

H/Z 15 02 02 ((absorbents contaminated with the product)

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according to Regulation (EC) No. 1907/2006 (REACH)



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SECTION 14: Transport information

14.1 UN number or ID number

None.

14.2 UN proper shipping name

None

14.3 Transport hazard class(es)

None.

14.4 Packing group

None.

14.5 Environmental hazards

None

14.6 Special precautions for user

None

14.7 Maritime transport in bulk according to IMO instruments:

None.

SECTION 15: Regulatory information

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

Must not be used by persons under 18 years of age.

Persons with eczema or known epoxy allergy must not work with the material.

Persons with severe hand perspiration (hyperhidrosis manuum) must not work with the substances or products.

May only be used by persons who have completed special training in epoxy and polyurethane use.

Danish Working Environment Authority Order No. 302 on work with code-numbered products.

Other labelling:

1993 code number: 00-5

(cf. Order 301 of 13 May 1993 on the determination of code numbers).

PR no.: 1404817

(cf. Order 103 of 9 Feb 2018 on the Product Register and Order 1794 of 18 Dec 2015 on special duties for manufacturers, suppliers, importers, etc. of substances and materials under the Working Environment Act).

15.2 Chemical safety assessment

No chemical safety report available

SECTION 16: Other information

Indication of changes

Section 1-16 (general update).

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 Substan

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

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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

MRI = 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
TWA = Time-Weighted Average

vPvB = Very Persistent and Very Bioacccumulative

Key literature references and sources for data

ECHA: REACH Registration dossier from ECHA's web page.

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

No information available.

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

H302 Harmful if swallowed. H315 Causes skin irritation.

H317 May cause an allergic skin reaction. H319 Causes serious eye irritation.

H411 Toxic to aquatic life with long lasting effects.

Training advice

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

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, 3, 8, 9, 11, 12, 13, 14, 15 and 16 of this safety data sheet.

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.