

SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006, as retained and amended in UK law [UK REACH]



WIKO® EPOXY TRANSPARENT 05 RESIN

Material number EPOXY-TRANSPARENT-05_RESIN_102714

Version: 2.2
Replaces version: 2.1

Revision date: 16/12/2022
Date of print: 25/1/2023

Page: 1 of 9
Language: en-GB,IE

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

1.1 Product identifier

Trade name: WIKO® EPOXY TRANSPARENT 05 RESIN

This safety data sheet pertains to the following products:
WIKO® EPOXY TRANSPARENT 05

UFI: 0VK0-P0HU-700Q-KR0N

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

General use: Resin for 2 component adhesive

1.3 Details of the supplier of the safety data sheet

Company name: WIKO Klebetechnik Sp. z o.o.
Street/POB-No.: ul. Ekonomiczna 8
Postal Code, city: PL-42-271 Czestochowa
WWW: www.gluetec-group.com
E-mail: info.pl@gluetec-group.com
Telephone: +48 (0) 34 372 58 58
Telefax: +48 (0) 34 371 11 14

Department responsible for information:
Telephone: +48 (0) 34 372 58 58, E-mail: info.pl@gluetec-group.com

1.4 Emergency telephone number

GIZ-Nord, Göttingen, Germany,
Telephone: +49 551-19240

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to EC regulation 1272/2008 (CLP)

Skin Irrit. 2; H315 Causes skin irritation.
Eye Irrit. 2; H319 Causes serious eye irritation.
Skin Sens. 1; H317 May cause an allergic skin reaction.
Aquatic Chronic 2; H411 Toxic to aquatic life with long lasting effects.

2.2 Label elements

Labelling (CLP)



Signal word:

Warning

Hazard statements:

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.

Precautionary statements:

P102 Keep out of reach of children.
P261 Avoid breathing mist/vapours/spray.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P391 Collect spillage.
P501 Dispose of contents/container to hazardous or special waste collection point.

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Date of print: 25/1/2023

Page: 2 of 9
Language: en-GB,IE

Special labelling

Text for labelling: EUH205 Contains epoxy constituents. May produce an allergic reaction.
Contains bis-[4-(2,3-Epoxypropoxy)phenyl]propane.

2.3 Other hazards

Special danger of slipping by leaking/spilling product.
Endocrine disrupting properties, Results of PBT and vPvB assessment:
No data available

SECTION 3: Composition/information on ingredients

3.1 Substances: not applicable

3.2 Mixtures

Chemical characterisation: Mixture of the substance mentioned below with non-hazardous additions:

Hazardous ingredients:

Identifiers	Designation Classification	Content
REACH 01-2119456619-26-xxxx EC No. 216-823-5 CAS 1675-54-3	Bis-[4-(2,3-Epoxypropoxy)phenyl]propane Skin Irrit. 2; H315. Eye Irrit. 2; H319. Skin Sens. 1; H317. Aquatic Chronic 2; H411. Specific concentration limits (SCL): Skin Irrit. 2; H315: C ≥ 5 % Eye Irrit. 2; H319: C ≥ 5 %	80 - 99 %

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

SECTION 4: First aid measures

4.1 Description of first aid measures

General information: If medical advice is needed, have product container or label at hand.
Take off contaminated clothing and wash it before reuse.

In case of inhalation: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
Seek medical attention if problems persist.

Following skin contact: Immediately clean with water and soap followed by thorough rinsing. In case of skin reactions, consult a physician.

After eye contact: Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing. Subsequently consult an ophthalmologist.

After swallowing: Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person. Do not induce vomiting. Seek medical attention.

4.2 Most important symptoms and effects, both acute and delayed

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

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: Water spray jet, foam, extinguishing powder, Carbon dioxide, Sand.

Extinguishing media which must not be used for safety reasons:
Full water jet

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Revision date: 16/12/2022
Date of print: 25/1/2023

Page: 3 of 9
Language: en-GB,IE

5.2 Special hazards arising from the substance or mixture

May form dangerous gases and vapours in case of fire.
Furthermore, there may develop: carbon monoxide and carbon dioxide.

5.3 Advice for firefighters

Special protective equipment for firefighters:

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

Additional information:

Hazchem-Code: *3Z

Use fine water spray to cool endangered containers. Do not allow water used to extinguish fire to enter drains, ground or waterways. Fire residuals and contaminated extinguishing water must be disposed of in accordance with the regulations of the local authorities.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Do not breathe mist/vapours/spray. Avoid contact with the substance. If possible, eliminate leakage. Provide adequate ventilation. Wear appropriate protective equipment. Keep unprotected people away. Take off contaminated clothing and wash it before reuse.

6.2 Environmental precautions

Do not allow to penetrate into soil, waterbodies or drains.
Inform the relevant authorities in case of leakage into sewers, aquatic environment or soil.

6.3 Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents) and place in closed containers for disposal.

Additional information:

Special danger of slipping by leaking/spilling product.

6.4 Reference to other sections

Refer additionally to section 8 and 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advices on safe handling:

Provide adequate ventilation, and local exhaust as needed. Do not breathe dust/fume/gas/mist/vapours/spray. Do not get in eyes, on skin, or on clothing. Wear appropriate protective equipment. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Take off contaminated clothing and wash it before reuse. Have eye wash bottle or eye rinse ready at work place.

Precautions against fire and explosion:

Keep away from heat.
When handling larger quantities, take precautionary measures against electrostatic charging.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers:

Keep container dry, tightly closed and store at cool and aired place. Protect from frost, heat and sunlight.
storage temperature: 10 - 20 °C

Hints on joint storage:

Do not store together with strong oxidizing agents or strong reducing agents.
Keep away from food, drink and animal feedingstuffs.

7.3 Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Additional information:

Contains no substances with occupational exposure limit values.

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Date of print: 25/1/2023

Page: 4 of 9
Language: en-GB,IE

DNEL/DMEL: Information about bis-[4-(2,3-Epoxypropoxy)phenyl]propane:
DNEL Acute, workers, systemic, dermal: 8.3 mg/kg bw/d
DNEL Acute, workers, systemic, inhalative: 12.3 mg/m³
DNEL Long-term, workers, systemic, dermal: 8.3 mg/kg bw/d
DNEL Long-term, workers, systemic, inhalative: 12.3 mg/m³
DNEL Acute, consumers, systemic, oral: 0.75 mg/kg bw/d
DNEL Acute, consumers, systemic, dermal: 3.6 mg/kg bw/d
DNEL Acute, consumers, systemic, inhalative: 0.75 mg/m³
DNEL Long-term, consumers, systemic, oral: 0.75 mg/kg bw/d
DNEL Long-term, consumers, systemic, dermal: 3.6 mg/kg bw/d
DNEL Long-term, consumers, systemic, inhalative: 0.75 mg/m³

PNEC: Information about bis-[4-(2,3-Epoxypropoxy)phenyl]propane:
PNEC water (freshwater): 3 µg/L
PNEC water (marine water): 0.3 µg/L
PNEC sediment (freshwater): 0.5 mg/kg dwt
PNEC sediment (marine water): 0.5 mg/kg dwt
PNEC soil: 0.05 mg/kg dwt
PNEC sewage treatment plant: 10 mg/L
PNEC water (freshwater) intermittent release: 0.013 mg/L

8.2 Exposure controls

Provide good ventilation and/or an exhaust system in the work area.

Personal protection equipment

Occupational exposure controls

Respiratory protection: Respiratory protection in case of aerosol or vapour formation.
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.

Hand protection: Protective gloves according to EN 374.
Glove material: PVC - Layer thickness: ≥ 0.5 mm
Breakthrough time: 480 min
Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

Eye protection: Tightly sealed goggles according to EN 166.

Body protection: Wear suitable protective clothing.
Chemical resistant safety shoes

General protection and hygiene measures:
Do not breathe dust/fume/gas/mist/vapours/spray. Do not get in eyes, on skin, or on clothing. Take off contaminated clothing and wash it before reuse. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Have eye wash bottle or eye rinse ready at work place.

Environmental exposure controls

Refer to "6.2 Environmental precautions".

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance: Physical state at 20 °C and 101.3 kPa: liquid
Form: Viscous
Colour: yellow

Odour: Characteristic

Odour threshold: No data available

pH: 6

Melting point/freezing point: No data available

Initial boiling point and boiling range: > 200 °C

Flash point/flash point range: > 150 °C (DIN 51758)

Evaporation rate: No data available

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Revision date: 16/12/2022
Date of print: 25/1/2023

Page: 5 of 9
Language: en-GB,IE

Flammability:	No data available
Explosion limits:	No data available
Vapour pressure:	at 20 °C: ≤ 0.01 Pa
Vapour density:	No data available
Density:	at 25 °C: 1.16 g/L
Solubility:	soluble in: Organic solvents
Water solubility:	approx. 9 g/L
Partition coefficient: n-octanol/water:	$\geq 3 \log P(o/w)$ Based on the n-octanol/water partition coefficient accumulation in organisms is possible.
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity, dynamic:	at 25 °C: 12 - 14 mPa*s
Explosive properties:	No data available
Oxidizing characteristics:	No data available

9.2 Other information

Ignition temperature: > 150 °C (PMCC ASTM D93)

SECTION 10: Stability and reactivity

10.1 Reactivity

Refer to subsection "Possibility of hazardous reactions".

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

No dangerous reactions are known.

10.4 Conditions to avoid

Protect from: UV-radiation/sunlight
Protect from frost. Protect from moisture contamination.

10.5 Incompatible materials

Strong oxidizing agents, strong reducing agents

10.6 Hazardous decomposition products

Thermal decomposition: No decomposition when used properly.
No data available

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity: LD50 Rat, oral: > 2000 mg/kg
LD50 Rabbit, dermal: > 2000 mg/kg

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Page: 6 of 9
Language: en-GB,IE

Toxicological effects: The statements are derived from the properties of the single components. No toxicological data is available for the product as such.

Acute toxicity (oral): Based on available data, the classification criteria are not met. May be harmful if swallowed.
ATEmix (calculated): ATE > 2000 mg/kg.

Acute toxicity (dermal): Based on available data, the classification criteria are not met.
ATEmix (calculated): ATE > 2000 mg/kg.

Acute toxicity (inhalative): Based on available data, the classification criteria are not met. May be harmful if inhaled.

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

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

Sensitisation to the respiratory tract: Lack of data.

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

Germ cell mutagenicity/Genotoxicity: Lack of data.

Carcinogenicity: Lack of data.

Reproductive toxicity: Lack of data.

Effects on or via lactation: Lack of data.

Specific target organ toxicity (single exposure): Lack of data.

Specific target organ toxicity (repeated exposure): Lack of data.

Aspiration hazard: Lack of data.

Symptoms

In case of inhalation: Vapours irritate mucous membranes and respiratory tracts.
After contact with skin: Skin rash, itching, redness
After eye contact: Upon direct contact with eyes may cause burning, tearing, redness.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity: Toxic to aquatic life with long lasting effects.

Information about bis-[4-(2,3-Epoxypropoxy)phenyl]propane:
Fish toxicity: LC50: 1.3 mg/L/96h
Daphnia toxicity: EC50: 2.1 mg/L/48h
Daphnia toxicity: NOEC: 0.3 mg/L/21d
Algae toxicity: LC50: > 11 mg/L/72h

12.2 Persistence and degradability

Further details: Product is not readily biodegradable.

12.3 Bioaccumulative potential

Bioconcentration factor (BCF): Possible bioaccumulation.

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

No data available

12.6 Other adverse effects

General information: Do not allow to penetrate into soil, waterbodies or drains.

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Revision date: 16/12/2022
Date of print: 25/1/2023

Page: 7 of 9
Language: en-GB,IE

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Waste key number: 08 04 09* = Waste adhesives and sealants containing organic solvents or other dangerous substances
* = Evidence for disposal must be provided.

Recommendation: Dispose of waste according to applicable legislation.

Package

Recommendation: Dispose of waste according to applicable legislation.
Non-contaminated packages may be recycled.

SECTION 14: Transport information

14.1 UN number

ADR/RID, IMDG, IATA-DGR: UN 3082

14.2 UN proper shipping name

ADR/RID, IMDG, IATA-DGR: UN 3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(Bis-[4-(2,3-Epoxypropoxy)phenyl]propane)

14.3 Transport hazard class(es)

ADR/RID: Class 9, Code: M6
IMDG: Class 9, Subrisk -
IATA-DGR: Class 9

14.4 Packing group

ADR/RID: III

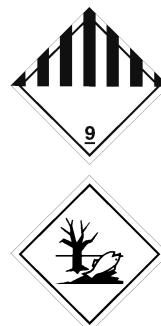
14.5 Environmental hazards

Marine pollutant: yes

14.6 Special precautions for user

Land transport (ADR/RID)

Warning board: ADR/RID: Kemmler-number 90, UN number UN 3082
Hazard label: 9
Special Provisions: 274 335 375 601
Limited quantities: 5 L
EQ: E1
Package - Instructions: P001 IBC03 LP01 R001
Package - Special Provisions: PP1
Special provisions for packing together: MP19
Portable tanks - Instructions: T4
Portable tanks - Special Provisions: TP1 TP29
Tank coding: LGBV
Tunnel restriction code: -



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Revision date: 16/12/2022
Date of print: 25/1/2023

Page: 8 of 9
Language: en-GB,IE

Sea transport (IMDG)

EmS: F-A, S-F
Special Provisions: 274 335 969
Limited quantities: 5 L
Excepted quantities: E1
Package - Instructions: P001, LP01
Package - Provisions: PP1
IBC - Instructions: IBC03
IBC - Provisions: -
Tank instructions - IMO: -
Tank instructions - UN: T4
Tank instructions - Provisions: TP2, TP29
Stowage and handling: Category A.
Properties and observations: -
Segregation group: none

Air transport (IATA)

Hazard label: Miscellaneous & Environmentally hazardous
Excepted Quantity Code: E1
Passenger and Cargo Aircraft: Ltd.Qty.: Pack.Instr. Y964 - Max. Net Qty/Pkg. 30 kg G
Passenger and Cargo Aircraft: Pack.Instr. 964 - Max. Net Qty/Pkg. 450 L
Cargo Aircraft only: Pack.Instr. 964 - Max. Net Qty/Pkg. 450 L
Special Provisions: A97 A158 A197 A215
Emergency Response Guide-Code (ERG): 9L

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

No data available

SECTION 15: Regulatory information

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

National regulations - Great Britain

Hazchem-Code: •3Z
No data available

National regulations - EC member states

Labelling of packaging with <= 125mL content



Signal word: **Warning**

Hazard statements: H317 May cause an allergic skin reaction.
EUH205 Contains epoxy constituents. May produce an allergic reaction.
Precautionary statements: P102 Keep out of reach of children.
P261 Avoid breathing mist/vapours/spray.
P280 Wear protective gloves/protective clothing/eye protection.
P501 Dispose of contents/container to hazardous or special waste collection point.

Further regulations, limitations and legal requirements:
Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-Directive]
Environmental hazards: Code E2, Quantity threshold 200 000 kg / 500 000 kg
Use restriction according to REACH annex XVII, no.: 3, 75
Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-Directive]: E2

15.2 Chemical Safety Assessment

For this mixture a chemical safety assessment is not required.

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Date of print: 25/1/2023

Page: 9 of 9
Language: en-GB,IE

SECTION 16: Other information

Further information

Wording of the H-phrases under paragraph 2 and 3:

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.
EUH205 = Contains epoxy constituents. May produce an allergic reaction.
EUH210 = Safety data sheet available on request.
EUH211 = Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

Abbreviations and acronyms:

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
Aquatic Chronic: Hazardous to the aquatic environment - chronic
AS/NZS: Australian Standards/New Zealand Standards
CAS: Chemical Abstracts Service
CFR: Code of Federal Regulations
CLP: Classification, Labelling and Packaging
DMEL: Derived minimal effect level
DNEL: Derived no-effect level
EC: European Community
EC50: Effective Concentration 50%
EN: European Standard
EQ: Excepted quantities
EU: European Union
Eye Irrit.: Eye irritation
IATA: International Air Transport Association
IATA-DGR: International Air Transport Association – Dangerous Goods Regulations
IBC Code: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
IMDG Code: International Maritime Dangerous Goods Code
LC50: Median lethal concentration
LD50: Lethal dose 50%
log P(o/w): Partition coefficient: octanol/water
MARPOL: Maritime Pollution: The International Convention for the Prevention of Pollution from Ships
NOEC: No Observed Effect Concentration
OSHA: Occupational Safety and Health Administration
PBT: Persistent, bioaccumulative and toxic
PNEC: Predicted no-effect concentration
PVC: Polyvinyl chloride
REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals
RID: Regulations Concerning the International Carriage of Dangerous Goods by Rail
Skin Irrit.: Skin irritation
Skin Sens.: Skin sensitisation
TRGS: Technical Rules for Hazardous Substances
UN: United Nations
UV: Ultraviolet
vPvB: Very persistent and very bioaccumulative

Reason of change: General revision
Date of first version: 26/5/2021

Department issuing data sheet

Contact person: see section 1: Department responsible for information

The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.

Most recent product information is available at:
<http://sumdat.net/it4qrekg>

