

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

1.1 Product identifier

Trade name: 2-K Huf- u. Klauenkleber Part A

This safety data sheet pertains to the following products:
WK-53S20A = 2-K Huf- u. Klauenkleber Part A

UFI: UFVN-98SY-EG0D-9D52

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

General use: Two-component glue
Reserved for industrial and professional use.

1.3 Details of the supplier of the safety data sheet

Company name: WEKEM GmbH
Street/POB-No.: Emilie-Winkelmann-Str. 2
Postal Code, city: 59192 Bergkamen
Germany

WWW: www.wekem.de
E-mail: vertrieb@wekem.de
Telephone: +49 (0) 23 89 40 30-10
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Department responsible for information:
Product Safety Department:
Telephone: +49 (0) 23 89 40 30-10
E-mail: vertrieb@wekem.de

1.4 Emergency telephone number

GIZ-Nord, Göttingen
Telephone: +49 (0)551-19240

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to EC regulation 1272/2008 (CLP)

Eye Irrit. 2; H319 Causes serious eye irritation.

2.2 Label elements

Labelling (CLP)



Signal word: **Warning**

Hazard statements: H319 Causes serious eye irritation.

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Precautionary statements:

P264	Wash hands and face thoroughly after handling.
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.
P337+P313	If eye irritation persists: Get medical advice/attention.

2.3 Other hazards

Special danger of slipping by leaking/spilling product.

Endocrine disrupting properties, Results of PBT and vPvB assessment:

The product contains no components classified as PBT or as vPvB at concentrations of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.1 Substances: not applicable

3.2 Mixtures

Hazardous ingredients:

Identifiers	Designation Classification	Content
REACH 01-2119552434-41-xxxx EC No. 203-041-4 CAS 102-60-3	1,1',1'',1'''-(Ethylenedinitrilo)tetra-2-propanol Eye Irrit. 2; H319.	20 - 50 %
list no. 613-700-1 CAS 64852-22-8	Polyoxyalkylamine Skin Irrit. 2; H315. Eye Dam. 1; H318. Aquatic Chronic 3; H412.	< 3 %

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 irritation, 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:	Immediately get medical attention. Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person. Do not induce vomiting. Ingestion causes nausea, weakness and central nervous system effects.

4.2 Most important symptoms and effects, both acute and delayed

Causes serious eye 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:

Foam, water mist, Extinguishing powder, Carbon dioxide.

Extinguishing media which must not be used for safety reasons:

Full water jet

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 self-contained positive pressure breathing apparatus and full firefighting protective clothing.

Additional information:

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 vapours. 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 enter into ground-water, surface water or drains.

If necessary notify appropriate authorities.

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 vapours.

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 tightly closed and in a well-ventilated place.

Keep container dry. Keep only in the original container.

Protect from heat and direct sunlight.

Store containers in upright position.

Hints on joint storage:

Keep away from food, drink and animal feedingstuffs.

Keep away from strong acids, strong bases and oxidizers.

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.

DNEL/DMEL: Information about 1,1',1",1'''-(Ethylenedinitrilo)tetra-2-propanol:

DNEL consumers, long-term, oral: 2,5 mg/kg/d

DNEL consumers, long-term, inhalative: 8,7 mg/m³

DNEL consumers, long-term, dermal: 2,5 mg/kg/d

DNEL workers, long-term, inhalative: 29,4 mg/m³

DNEL workers, long-term, dermal: 4,2 mg/kg/d

PNEC: Information about 1,1',1",1'''-(Ethylenedinitrilo)tetra-2-propanol:

PNEC water (freshwater): 0.085 mg/L

PNEC water (marine water): 0.0085 mg/L

PNEC sediment (freshwater): 0.193 mg/kg

PNEC sediment (marine water): 0.0193 mg/kg

PNEC sewage treatment plant: 70 mg/L

PNEC soil: 0.0183 mg/kg dw

PNEC water (freshwater) intermittent release: 1.51 mg/L

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8.2 Exposure controls

Provide for good ventilation or exhaust system or work with completely self-contained equipment.

Personal protection equipment**Occupational exposure controls**

- Respiratory protection: In case of inadequate ventilation wear respiratory protection.
Respiratory protection must be worn whenever the WEL levels have been exceeded.
Recommendation: Use combination filter type A/P according to EN 14387.
The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product.
- Hand protection: Protective gloves according to EN ISO 374:1.
Glove material: Nitrile rubber
Layer thickness: 0.5 mm
Breakthrough time: 240 min.
Observe glove manufacturer's instructions concerning penetrability and breakthrough time.
- Eye protection: Tightly sealed goggles according to EN ISO 16321-1:2022.
- Body protection: Wear suitable protective clothing.
- General protection and hygiene measures:
Do not breathe vapours. 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**

Physical state at 20 °C and 101.3 kPa	liquid
Colour:	opalescent
Odour:	No data available
Odour threshold:	No data available
Melting point/freezing point:	No data available
Initial boiling point and boiling range:	> 200 °C
Flammability:	No data available
Upper/lower flammability or explosive limits:	No data available
Flash point/flash point range:	182 °C
Decomposition temperature:	No data available
pH:	No data available
Viscosity, dynamic:	2,500 mPa*s
Solubility:	No data available
Partition coefficient: n-octanol/water:	No data available
Vapour pressure:	0.1 Pa
Density:	1.0 g/mL
Vapour density:	No data available

Particle characteristics: Not applicable

9.2 Other information

Explosive properties: No data available

Oxidizing characteristics: No data available

Auto-ignition temperature: No data available

Evaporation rate: No data available

Additional information: No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

Refer to subsection "Possibility of hazardous reactions".

10.2 Chemical stability

Product is stable under normal storage conditions.

10.3 Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

10.4 Conditions to avoid

Keep away from heat sources, sparks and open flames.
Protect from direct sunlight.

10.5 Incompatible materials

Keep away from strong acids, strong bases and oxidizers.

10.6 Hazardous decomposition products

No decomposition when used properly.

Thermal decomposition: No data available

SECTION 11: Toxicological information

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

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.

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

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

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

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

Sensitisation to the respiratory tract: Based on available data, the classification criteria are not met.

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

Germ cell mutagenicity/Genotoxicity: 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.

Effects on or via lactation: Lack of data.

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

Specific target organ toxicity (repeated exposure): Based on available data, the classification criteria are not met.

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

11.2 Information on other hazards

Endocrine disrupting properties:

No data available

Other information:

Information about 1,1',1'',1'''-(Ethylenedinitrilo)tetra-2-propanol:

LD50, Rat, oral: 2,890 mg/kg bw (OECD 401)

LD50, Rat, dermal: >2,000 mg/kg bw (OECD 402)

Information about Polyoxyalkylamine:

LD50, oral: 2,690 mg/ kg

LD50, dermal: 12,500 mg/kg

Symptoms

In case of ingestion: Abdominal pain, nausea, vomiting.

After eye contact: Upon direct contact with eyes may cause burning, tearing, redness.

General remarks

ignition hazard.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity: Information about 1,1',1",1'''-(Ethylenedinitrilo)tetra-2-propanol:
Fish toxicity:
LC50 Leuciscus idus: 3,524 mg/L/96h
Daphnia toxicity:
EC50 Daphnia magna (Big water flea): > 100 mg/L/48h
algae toxicity:
EC50 Desmodesmus subspicatus (green algae): 150.67 mg/L/72h
Information about Polyoxyalkylamine:
Fish toxicity: LC50 68 mg/L/96h.

12.2 Persistence and degradability

Further details: No data available

12.3 Bioaccumulative potential

Partition coefficient: n-octanol/water:
No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

The product contains no components classified as PBT or as vPvB at concentrations of 0.1% or higher.

12.6 Endocrine disrupting properties

No data available

12.7 Other adverse effects

General information: Do not allow contact with soil, surface or ground water.
In case of entry into waterways, soil or drains, inform the responsible authorities.

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.
Do not dispose of with household waste.

Package

Recommendation: Dispose of waste according to applicable legislation.
Handle contaminated packages in the same way as the substance itself.

SECTION 14: Transport information

14.1 UN number or ID number

ADR/RID, ADN, IMDG, IATA-DGR:

not applicable

14.2 UN proper shipping name

ADR/RID, ADN, IMDG, IATA-DGR:

Not restricted

14.3 Transport hazard class(es)

ADR/RID, ADN, IMDG, IATA-DGR:

not applicable

14.4 Packing group

ADR/RID, ADN, IMDG, IATA-DGR:

not applicable

14.5 Environmental hazards

Dangerous for the environment:

Substance/mixture is not environmentally hazardous according to the criteria of the UN model regulations.

Marine pollutant - IMDG:

no

14.6 Special precautions for user

No dangerous good in sense of these transport regulations.

14.7 Maritime transport in bulk according to IMO instruments

No data available

SECTION 15: Regulatory information

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

National regulations - EC member states

Volatile organic compounds (VOC):

0 % by weight

Labelling of packaging with <= 125mL content



Signal word:

Warning

Hazard statements:

not applicable

Precautionary statements:

not applicable

Further regulations, limitations and legal requirements:

Use restriction according to REACH annex XVII, no.: 3, 75.

15.2 Chemical Safety Assessment

For this mixture a chemical safety assessment is not required.

SECTION 16: Other information

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

H319 = Causes serious eye irritation.

H315 = Causes skin irritation.

H318 = Causes serious eye damage.

H412 = Harmful to aquatic life with long lasting effects.

Date of first version: 11/9/2023

Department issuing data sheet:

see section 1: Department responsible for information

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 Dam.: Eye damage
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%
MARPOL: Maritime Pollution: The International Convention for the Prevention of Pollution from Ships
OECD: Organisation for Economic Co-operation and Development
OEL: Occupational Exposure Limit Value
OSHA: Occupational Safety and Health Administration
PBT: Persistent, bioaccumulative and toxic
PNEC: Predicted no-effect concentration
REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals
RID: Regulations Concerning the International Carriage of Dangerous Goods by Rail
Skin Irrit.: Skin irritation
TLV: Threshold Limit Value
TRGS: Technical Rules for Hazardous Substances
vPvB: Very persistent and very bioaccumulative
WEL: Workplace Exposure Limit

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.

