
! SECTION 1: Identification of the substance/mixture and of the company/undertaking
1.1. Product identifier

Name of product KK10

1.2. Relevant identified uses of the substance or mixture and uses advised against
 No information available.

1.3. Details of the supplier of the safety data sheet

Manufacturer/distributor TPH Bausysteme GmbH
 Nordportbogen 8, D-22848 Norderstedt
 Phone +49 (0)40 / 52 90 66 78-0, Fax +49 (0)40 / 52 90 66 78-78
 E-Mail info@tph-bausysteme.com
 Internet www.tph-bausysteme.com

Advice

E-mail (competent person):
 sdb-info@tph-bausysteme.com

1.4. Emergency telephone number

Emergency advice GIZ-Nord
 Phone +49 (0)551 / 19240

SECTION 2: Hazards identification
2.1. Classification of the substance or mixture
Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]

| Hazard classes and Hazard categories | Hazard Statements | Classification procedure |
|--------------------------------------|-------------------|--------------------------|
| Skin Irrit. 2 | H315 | |
| Eye Irrit. 2 | H319 | |
| STOT SE 3 | H335 | |

Hazard statements for health hazards

H315 Causes skin irritation.
 H319 Causes serious eye irritation.
 H335 May cause respiratory irritation.

Additional hints

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

2.2. Label elements
Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]


GHS07

Signal word
 Warning

Hazard statements for health hazards

H315 Causes skin irritation.
 H319 Causes serious eye irritation.
 H335 May cause respiratory irritation.

Precautionary Statements
Prevention

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response

P302 + P352 IF ON SKIN: Wash with plenty of water/.... .
 P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Storage

P405 Store locked up.

Hazardous ingredients for labeling

ethyl 2-cyanoacrylate

2.3. Other hazards
Information pertaining to special dangers for human and environment

Cyanacrylate. Danger. Bonds skin and eyes in seconds. Keep out of the reach of children.

Results of PBT and vPvB assessment

No information available.

SECTION 3: Composition/ information on ingredients
3.1. Substances

not applicable

3.2. Mixtures
Hazardous ingredients

| CAS No | EC No | Name | [% weight] | Classification according to Regulation (EC) No 1272/2008 [CLP/ GHS] |
|-----------|-----------|-----------------------|------------|---|
| 7085-85-0 | 230-391-5 | ethyl 2-cyanoacrylate | 70 - 100 | Eye Irrit. 2, H319 / STOT SE 3, H335 / Skin Irrit. 2, H315 |

SECTION 4: First aid measures
4.1. Description of first aid measures
General information

Remove contaminated soaked clothing immediately.

In the event of persistent symptoms receive medical treatment.

In case of inhalation

Ensure of fresh air.

Seek medical advice immediately.

In case of skin contact

Product should not dry on skin.

In case of contact with skin wash off immediately with soap and water.

Consult a doctor if skin irritation persists.

In case of eye contact

In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.

In case of ingestion

Do not induce vomiting.
Refer to medical treatment.

4.2. Most important symptoms and effects, both acute and delayed

No information available.

4.3. Indication of any immediate medical attention and special treatment needed

Treatment (Advice to doctor)

Treat symptoms.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Alcohol-resistant foam
Dry powder
Carbon dioxide
Water spray jet

Unsuitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

In case of fire formation of dangerous gases possible.

5.3. Advice for firefighters

Special protective equipment for fire-fighters

Use breathing apparatus with independent air supply.

Additional information

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

Collect contaminated firefighting water separately, must not be discharged into the drains.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Remove persons to safety.
Use personal protective clothing.

6.2. Environmental precautions

Do not discharge into the drains or bodies of water..
Do not discharge into the subsoil/soil.

6.3. Methods and material for containment and cleaning up

Take up with absorbent material (e.g. sand, kieselguhr, acid binder, general-purpose binder, sawdust).
After taking up the material dispose according to regulation.

Additional Information

Informations for disposal see chapter 13.

6.4. Reference to other sections

No information available.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Care for thoroughly room ventilation, if necessary use in well ventilated area with local exhaust ventilation at workplace.

General protective measures

Do not inhale vapours.

Avoid contact with eyes and skin

Hygiene measures

At work do not eat, drink and smoke.

Remove soiled or soaked clothing immediately.

Work in rooms with good ventilation.

Keep separated from food and feed.

Wash hands before breaks and after work.

Advice on protection against fire and explosion

No special measures necessary.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep in closed original container.

Advice on storage compatibility

no

Further information on storage conditions

Keep container tightly closed and store at cool and aired place.

Protect from atmospheric moisture and water

Do not store at temperature above 25°C (=77°F).

Recommended storage temperature: 0 - 5°C.

Storage group 3

7.3. Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No information available.

8.2. Exposure controls

Respiratory protection

In case of insufficient ventilation or long-term effect use breathing apparatus.

Hand protection

chemical-resistant gloves

Eye protection
 tightly fitting goggles

Other protection measures
 protective clothing

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | | |
|-------------------|---------------|--------------|
| Appearance | Colour | Odour |
| liquid | colourless | ester-like |

Odour threshold
 not determined

Important health, safety and environmental information

| | Value | Temperature | at | Method | Remark |
|----------------------------------|---------------------------|-------------|----|-------------------|--------|
| pH value | not applicable | | | | |
| Acid number | not applicable | | | | |
| boiling point | > 150 °C | | | | |
| melting point | < -30 °C | | | | |
| Flash point | > 65 °C | | | EU A.9 | |
| Vapourisation rate | not determined | | | | |
| Flammable (solid) | not applicable | | | | |
| Flammability (gas) | not applicable | | | | |
| Ignition temperature | No data available | | | | |
| Self ignition temperature | 480 °C | | | EG A.16 | |
| Lower explosion limit | No information available. | | | | |
| Upper explosion limit | No information available. | | | | |
| Vapour pressure | < 21 Pa | 20 °C | | | |
| Relative density | ca. 1,06 g/cm3 | 23 °C | | DIN EN ISO 2811-1 | |
| Bulk density | not applicable | | | | |
| Vapour density | > 1 | | | | |

| | Value | Temperature | at | Method | Remark |
|--|-------------------|-------------|----|-----------------|--------|
| Solubility in water | not determined | | | | |
| Solubility/other | not determined | | | | |
| Partition coefficient n-octanol/water (log P O/W) | not determined | | | | |
| Decomposition temperature | not determined | | | | |
| Viscosity dynamic | ca. 5 mPa*s | 23 °C | | DIN EN ISO 2555 | |
| Solvent separation test | not determined | | | | |
| Solvent content | 0 % | | | | |
| Water content | not applicable | | | | |
| Solids content | not applicable | | | | |
| Combustion value | No data available | | | | |
| Oxidising properties | | | | | |
| No information available. | | | | | |
| Explosive properties | | | | | |
| No information available. | | | | | |
| 9.2. Other information | | | | | |
| No information available. | | | | | |

SECTION 10: Stability and reactivity

10.1. Reactivity

No information available.

10.2. Chemical stability

No information available.

10.3. Possibility of hazardous reactions

No information available.

10.4. Conditions to avoid

No information available.

10.5. Incompatible materials

Substances to avoid

Reactions with peroxides.

If heating up polymerisation.

Reactions with water.

Reactions with alcohols.

Reactions with amines.

10.6. Hazardous decomposition products

Thermal decomposition

Remark No decomposition if used as directed.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity/Irritation/Sensitization

| | Value/Validation | Species | Method | Remark |
|---|---------------------------|---------|--------|--------|
| LD50 acute oral | No information available. | | | |
| LD50 acute dermal | No information available. | | | |
| LC50 acute inhalation | No information available. | | | |
| Skin irritation | irritant | | | |
| Eye irritation | irritant | | | |
| Skin sensitization | non-sensitizing | | | |
| Sensitization respiratory system | non-sensitizing | | | |

Subacute Toxicity - Carcinogenicity

| | Value | Species | Method | Validation |
|------------------------------|---------------------------|---------|--------|------------|
| Subacute Toxicity | No information available. | | | |
| Subchronic Toxicity | No information available. | | | |
| Chronic Toxicity | No information available. | | | |
| Mutagenicity | No information available. | | | |
| Reproduction-Toxicity | No information available. | | | |
| Carcinogenicity | No information available. | | | |

Specific target organ toxicity (single exposure)

No information available.

Specific target organ toxicity (repeated exposure)

No information available.

Aspiration hazard

No information available.

Experiences made from practice

Irritates mucous membranes.

Irritates eyes and skin.

Additional information

No toxicological data available.

SECTION 12: Ecological information
12.1. Toxicity
Ecotoxicological effects

| | Value | Species | Method | Validation |
|-----------------|-------------------|---------|--------|------------|
| Fish | No data available | | | |
| Daphnia | No data available | | | |
| Algae | No data available | | | |
| Bacteria | No data available | | | |

12.2. Persistence and degradability

| | Elimination rate | Method of analysis | Method | Validation |
|--|-------------------|--------------------|--------|------------|
| Physico-chemical degradability | No data available | | | |
| Biological degradability | No data available | | | |
| Degradability | No data available | | | |
| Biological eliminability | No data available | | | |
| Degradability according to WRMG | No data available | | | |

12.3. Bioaccumulative potential

No data available

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

No information available.

12.6. Other adverse effects

No information available.

Behaviour in sewage plant

No data available

Respiration inhibition of activated sludge

| | Value | Method | Remark |
|--------------|----------------|--------|--------|
| EC 50 | not determined | | |

Additional ecological information

| | Value | Method | Remark |
|------------|----------------|--------|--------|
| OC | not determined | | |
| COD | not determined | | |
| BOD | not determined | | |
| AOX | not applicable | | |

Contains following heavy metals and compounds of the 76/464/EWG

no

General regulation

Ecological dates are not available.

Product is not allowed to be discharged into the ground water or aquatic environment.

Product is not allowed to be discharged into aquatic environment, drains or sewage treatment plants.

SECTION 13: Disposal considerations
13.1. Waste treatment methods
Waste code No.

08 04 09*

Name of waste

waste adhesives and sealants containing organic solvents or other hazardous substances

Wastes marked with an asterisk are considered to be hazardous waste pursuant to Directive 2008/98/EC on hazardous waste.

Recommendations for the product

Remove in accordance with local official regulations.

Recommendations for packaging

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

Packaging that cannot be cleaned should be disposed of like the product.

SECTION 14: Transport information

| | ADR/RID | IMDG | IATA-DGR |
|------------------------|---------|------|----------|
| 14.1. UN number | - | - | 3334 |

| | ADR/RID | IMDG | IATA-DGR |
|--|---------|------|---|
| 14.2. UN proper shipping name | - | - | Aviation regulated liquid, n.o.s. (Cyanacrylate ester) |
| 14.3. Transport hazard class(es) | - | - | 9 |
| 14.4. Packing group | - | - | III |
| 14.5. Environmental hazards | - | - | No |
| 14.6. Special precautions for user No information available. | | | |
| 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code No information available. | | | |
| Land and inland navigation transport ADR/RID No dangerous goods as defined by these transport regulations. | | | |
| Marine transport IMDG No dangerous goods as defined by these transport regulations. | | | |

SECTION 15: Regulatory information

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

National regulations

Water hazard class 1 self-classification

15.2. Chemical Safety Assessment

No information available.

SECTION 16: Other information

Recommended uses and restrictions

National and local regulations concerning chemicals shall be observed.

Further information

The information contained herein is based on the state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.

Indication of changes: "!" = Data changed compared with the previous version. Previous version: 3.0

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.