



Safety Data Sheet according to (EC) No 1907/2006 as amended

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TEROSON AD KDS BK FC570ML

SDS No. : 818902
V001.0

Revision: 10.08.2023
printing date: 25.05.2025
Replaces version from: -

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

1.1. Product identifier

TEROSON AD KDS BK FC570ML

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

Intended use:
adhesive and sealant

1.3. Details of the supplier of the safety data sheet

Henkel AG & Co. KGaA
Henkelstr. 67
40589 Düsseldorf

Germany

Phone: +49 211 797 0

For Safety Data Sheet updates please visit our website <https://mysds.henkel.com/index.html#/appSelection> or www.henkel-adhesives.com.
SDSinfo.Adhesive@henkel.com

1.4. Emergency telephone number

The Henkel information service also provides an around-the-clock telephone service on phone no.+49-(0)211-797-3350 for exceptional cases.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (CLP):

The substance or mixture is not hazardous according to Regulation (EC) No 1272/2008 (CLP).

2.2. Label elements

Label elements (CLP):

The substance or mixture is not hazardous according to Regulation (EC) No 1272/2008 (CLP).

Supplemental information Safety data sheet available on request.

2.3. Other hazards

None if used properly.

Following substances are present in a concentration \geq the concentration limit for depiction in Section 3 and fulfill the criteria for PBT/vPvB, or were identified as endocrine disruptor (ED):

This mixture does not contain any substances in a concentration \geq the concentration limit for depiction in Section 3 that are assessed to be a PBT, vPvB or ED.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Declaration of the ingredients according to CLP (EC) No 1272/2008:

| Hazardous components CAS-No. EC Number REACH-Reg No. | Concentration | Classification | Specific Conc. Limits, M-factors and ATEs | Add. Information |
|--|---------------|--|---|------------------|
| Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate 52829-07-9 258-207-9 01-2119537297-32 | 0,1- < 1 % | Repr. 2, H361f Eye Dam. 1, H318 Aquatic Chronic 2, H411 Aquatic Acute 1, H400 | M acute = 1 | |

If no ATE values are displayed, please refer to LD/LC50 values in Section 11.

For full text of the H - statements and other abbreviations see section 16 "Other information".

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation:

Move to fresh air, consult doctor if complaint persists.

Skin contact:

Rinse with running water and soap. Apply replenishing cream. Change all contaminated clothing.

Eye contact:

Rinse immediately with plenty of running water (for 10 minutes). Seek medical attention if necessary.

Ingestion:

Rinse mouth, drink 1-2 glasses of water, do not induce vomiting, consult a doctor.

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

No data available.

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

See section: Description of first aid measures

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

All common extinguishing agents are suitable.

Extinguishing media which must not be used for safety reasons:

High pressure waterjet

5.2. Special hazards arising from the substance or mixture

In case of fire toxic gases can be released.

5.3. Advice for firefighters

Wear self-contained breathing apparatus.
Wear protective equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear protective equipment.

6.2. Environmental precautions

Do not empty into drains / surface water / ground water.

6.3. Methods and material for containment and cleaning up

Dispose of contaminated material as waste according to Section 13.
Remove mechanically.

6.4. Reference to other sections

See advice in section 8

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Hygiene measures:

- Wash hands before work breaks and after finishing work.
- Do not eat, drink or smoke while working.

7.2. Conditions for safe storage, including any incompatibilities

Ensure good ventilation/extraction.
Keep container in a well ventilated place.
Keep container tightly sealed and store in a frost free place.
Store in a cool, frost-free place.
Temperatures between + 10 °C and + 25 °C

7.3. Specific end use(s)

adhesive and sealant

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational Exposure Limits

Valid for
Germany

| Ingredient [Regulated substance] | ppm | mg/m ³ | Value type | Short term exposure limit category / Remarks | Regulatory list |
|----------------------------------|-----|-------------------|-------------------------------------|--|-----------------|
| Limestone 1317-65-3 | | | Short Term Exposure Classification: | Category II: substances with a resorptive effect. | TRGS 900 |
| Limestone 1317-65-3 | | 1,25 | Exposure limit(s): | If the AGW and BGW values are complied with, there should be no risk of reproductive damage (see Number 2.7). | TRGS 900 |
| Limestone 1317-65-3 | | 10 | Exposure limit(s): | 2 If the AGW and BGW values are complied with, there should be no risk of reproductive damage (see Number 2.7). | TRGS 900 |

Predicted No-Effect Concentration (PNEC):

| Name on list | Environmental Compartment | Exposure period | Value | | | | Remarks |
|--|------------------------------|-----------------|--------------|-----|------------|--------|---------|
| | | | mg/l | ppm | mg/kg | others | |
| Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate 52829-07-9 | aqua (freshwater) | | 0,004 mg/l | | | | |
| Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate 52829-07-9 | aqua (marine water) | | 0,00038 mg/l | | | | |
| Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate 52829-07-9 | Freshwater - intermittent | | 0,007 mg/l | | | | |
| Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate 52829-07-9 | sediment (freshwater) | | | | 5,9 mg/kg | | |
| Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate 52829-07-9 | sediment (marine water) | | | | 0,59 mg/kg | | |
| Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate 52829-07-9 | Soil | | | | 1,18 mg/kg | | |
| Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate 52829-07-9 | sewage treatment plant (STP) | | 1 mg/l | | | | |

Derived No-Effect Level (DNEL):

| Name on list | Application Area | Route of Exposure | Health Effect | Exposure Time | Value | Remarks |
|--|--------------------|-------------------|---------------------------------------|---------------|------------------------|---------|
| Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate 52829-07-9 | Workers | dermal | Long term exposure - systemic effects | | 1,8 mg/kg | |
| Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate 52829-07-9 | Workers | Inhalation | Long term exposure - systemic effects | | 1,27 mg/m ³ | |
| Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate 52829-07-9 | General population | Inhalation | Long term exposure - systemic effects | | 0,31 mg/m ³ | |
| Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate 52829-07-9 | General population | dermal | Long term exposure - systemic effects | | 0,9 mg/kg | |
| Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate 52829-07-9 | General population | oral | Long term exposure - systemic effects | | 0,18 mg/kg | |

Biological Exposure Indices:

None

8.2. Exposure controls:

Engineering controls:

Ensure good ventilation/extraction.

Respiratory protection:

In case of dust formation, we recommend wearing of appropriate respiratory protection equipment with particle filter P (EN 14387).

This recommendation should be matched to local conditions.

Hand protection:

Chemical-resistant protective gloves (EN 374). Suitable materials for short-term contact or splashes (recommended: at least protection index 2, corresponding to > 30 minutes permeation time as per EN 374): Polychloroprene (CR; >= 1 mm thickness) or natural rubber (NR; >=1 mm thickness) Suitable materials for longer, direct contact (recommended: protection index 6, corresponding to > 480 minutes permeation time as per EN 374): Polychloroprene (CR; >= 1 mm thickness) or natural rubber (NR; >=1 mm thickness) This information is based on literature references and on information provided by glove manufacturers, or is derived by analogy with similar substances. Please note that in practice the working life of chemical-resistant protective gloves may be considerably shorter than the permeation time determined in accordance with EN 374 as a result of the many influencing factors (e.g. temperature). If signs of wear and tear are noticed then the gloves should be replaced.

Eye protection:

Protective goggles

Protective eye equipment should conform to EN166.

Skin protection:

Wear protective equipment.

Protective clothing should conform to EN 14605 for liquid splashes or to EN 13982 for dusts.

Advices to personal protection equipment:

Use only personal protection that's CE-labelled according to Directive 89/686/EEC (Europe) or to Regulation No. 819 of 19 August 1994 (Norway), or equivalent.

The information provided on personal protective equipment is for guidance purposes only. A full risk assessment should be conducted prior to using this product to determine the appropriate personal protective equipment to suit local conditions.

Personal protective equipment should conform to the relevant EN standard.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

| | |
|---|---|
| Delivery form | paste |
| Colour | black |
| Odor | alcohol-like |
| Physical state | solid |
| Melting point | Not applicable, Determination technically not possible |
| Initial boiling point | > 300 °C (> 572 °F)no method / method unknown |
| Flammability | Not applicable Non flammable product (flash point is greater than 93°C) |
| Explosive limits | Currently under determination |
| Flash point | > 93 °C (> 199.4 °F) |
| Auto-ignition temperature | Currently under determination |
| Decomposition temperature | Not applicable, Substance/mixture is not self-reactive, no organic peroxide and does not decompose under foreseen conditions of use |
| pH | Not applicable, Product reacts with water. |
| Viscosity (kinematic) | Currently under determination |
| Viscosity, dynamic (; 20 °C (68 °F)) | 170 Pa*s |
| Solubility (qualitative) (20 °C (68 °F); Solvent: Water) | Reacts with water. |
| Partition coefficient: n-octanol/water | Currently under determination |
| Vapour pressure (20 °C (68 °F)) | < 0,1 hPa;no method / method unknown |
| Density (23 °C (73.4 °F)) | 1,47 - 1,53 g/cm3 density w. Waterdisplacant; HT-method |
| Bulk density | 1,47 - 1,53 g/ml bulk density, HT-method |
| Relative vapour density: | Currently under determination |
| Particle characteristics | Not applicable, mixture is a paste. |

9.2. Other information

Other information not applicable for this product

SECTION 10: Stability and reactivity**10.1. Reactivity**

None if used for intended purpose.

10.2. Chemical stability

Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

See section reactivity

10.4. Conditions to avoid

None if used for intended purpose.

10.5. Incompatible materials

None if used properly.

10.6. Hazardous decomposition products

No decomposition if used according to specifications.

SECTION 11: Toxicological information**General toxicological information:**

An allergic reaction cannot be excluded after repeated skin contact.

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**Acute oral toxicity:**

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

| Hazardous substances CAS-No. | Value type | Value | Species | Method |
|---|---------------|-------------|---------|--|
| Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate 52829-07-9 | LD50 | 3.700 mg/kg | rat | OECD Guideline 423 (Acute Oral toxicity) |

Acute dermal toxicity:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

| Hazardous substances CAS-No. | Value type | Value | Species | Method |
|---|---------------|---------------|---------|--|
| Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate 52829-07-9 | LD50 | > 3.170 mg/kg | rat | OECD Guideline 402 (Acute Dermal Toxicity) |

Acute inhalative toxicity:

No data available.

Skin corrosion/irritation:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

| Hazardous substances CAS-No. | Result | Exposure time | Species | Method |
|---|----------------|------------------|---------|--|
| Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate 52829-07-9 | not irritating | 24 h | rabbit | EPA OPP 81-5 (Acute Dermal Irritation) |

Serious eye damage/irritation:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

| Hazardous substances CAS-No. | Result | Exposure time | Species | Method |
|---|-----------|------------------|---------|---|
| Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate 52829-07-9 | corrosive | 24 h | rabbit | OECD Guideline 405 (Acute Eye Irritation / Corrosion) |

Respiratory or skin sensitization:

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

| Hazardous substances CAS-No. | Result | Test type | Species | Method |
|---|-----------------|------------------------------|------------|---|
| Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate 52829-07-9 | not sensitising | Guinea pig maximisation test | guinea pig | OECD Guideline 406 (Skin Sensitisation) |

Germ cell mutagenicity:

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

| Hazardous substances CAS-No. | Result | Type of study / Route of administration | Metabolic activation / Exposure time | Species | Method |
|---|----------|--|--|---------|--|
| Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate 52829-07-9 | negative | bacterial reverse mutation assay (e.g Ames test) | with and without | | OECD Guideline 471 (Bacterial Reverse Mutation Assay) |
| Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate 52829-07-9 | negative | in vitro mammalian chromosome aberration test | with and without | | OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test) |
| Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate 52829-07-9 | negative | mammalian cell gene mutation assay | with and without | | OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test) |

Carcinogenicity

No data available.

Reproductive toxicity:

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

| Hazardous substances CAS-No. | Result / Value | Test type | Route of application | Species | Method |
|---|---|----------------------|-------------------------|---------|--|
| Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate 52829-07-9 | NOAEL P 109 mg/kg NOAEL F1 121 mg/kg | two-generation study | oral: feed | rat | OECD Guideline 443 (Extended One-Generation Reproductive Toxicity Study) |

STOT-single exposure:

No data available.

STOT-repeated exposure:

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

| Hazardous substances CAS-No. | Result / Value | Route of application | Exposure time / Frequency of treatment | Species | Method |
|---|----------------|-------------------------|--|---------|------------------|
| Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate 52829-07-9 | NOAEL 36 mg/kg | oral: feed | daily | rat | other guideline: |

Aspiration hazard:

No data available.

11.2 Information on other hazards

not applicable

SECTION 12: Ecological information

General ecological information:

Do not empty into drains, soil or bodies of water.

12.1. Toxicity

Toxicity (Fish):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

The table below presents the data of the classified substances present in the mixture.

| Hazardous substances CAS-No. | Value type | Value | Exposure time | Species | Method |
|---|---------------|----------|---------------|---------------------|--|
| Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate 52829-07-9 | LC50 | 4,4 mg/l | 96 h | Lepomis macrochirus | OECD Guideline 203 (Fish, Acute Toxicity Test) |

Toxicity (aquatic invertebrates):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

The table below presents the data of the classified substances present in the mixture.

| Hazardous substances CAS-No. | Value type | Value | Exposure time | Species | Method |
|---|---------------|-----------|---------------|---------------|--|
| Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate 52829-07-9 | EC50 | 8,58 mg/l | 48 h | Daphnia magna | OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test) |

Chronic toxicity (aquatic invertebrates):

The table below presents the data of the classified substances present in the mixture.

| Hazardous substances CAS-No. | Value type | Value | Exposure time | Species | Method |
|---|---------------|-----------|---------------|---------------|---|
| Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate 52829-07-9 | NOEC | 0,23 mg/l | 21 d | Daphnia magna | OECD 211 (Daphnia magna, Reproduction Test) |

Toxicity (Algae):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

The table below presents the data of the classified substances present in the mixture.

| Hazardous substances CAS-No. | Value type | Value | Exposure time | Species | Method |
|---|---------------|------------|---------------|---------------------------------|---|
| Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate 52829-07-9 | EC50 | 0,705 mg/l | 72 h | Pseudokirchneriella subcapitata | OECD Guideline 201 (Alga, Growth Inhibition Test) |
| Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate 52829-07-9 | EC10 | 0,188 mg/l | 72 h | Pseudokirchneriella subcapitata | OECD Guideline 201 (Alga, Growth Inhibition Test) |

Toxicity (microorganisms):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

The table below presents the data of the classified substances present in the mixture.

| Hazardous substances CAS-No. | Value type | Value | Exposure time | Species | Method |
|---|---------------|------------|---------------|----------------------------|--|
| Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate 52829-07-9 | EC50 | > 100 mg/l | 3 h | activated sludge, domestic | OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test) |

12.2. Persistence and degradability

The table below presents the data of the classified substances present in the mixture.

| Hazardous substances CAS-No. | Result | Test type | Degradability | Exposure time | Method |
|---|----------------------------|-----------|---------------|---------------|---|
| Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate 52829-07-9 | not readily biodegradable. | aerobic | 24 % | 28 d | OECD Guideline 301 B (Ready Biodegradability: CO2 Evolution Test) |

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

The table below presents the data of the classified substances present in the mixture.

| Hazardous substances CAS-No. | LogPow | Temperature | Method |
|---|--------|-------------|--|
| Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate 52829-07-9 | 0,35 | 25 °C | OECD Guideline 107 (Partition Coefficient (n-octanol / water), Shake Flask Method) |

12.5. Results of PBT and vPvB assessment

The table below presents the data of the classified substances present in the mixture.

| Hazardous substances CAS-No. | PBT / vPvB |
|---|---|
| Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate 52829-07-9 | Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria. |

12.6. Endocrine disrupting properties

not applicable

12.7. Other adverse effects

No data available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product disposal:

In consultation with the responsible local authority, must be subjected to special treatment.

Waste code

The valid EWC waste code numbers are source-related. The manufacturer is therefore unable to specify EWC waste codes for the articles or products used in the various sectors. The EWC codes listed are intended as a recommendation for users. We will be happy to advise you.

08 04 10 Waste adhesives and sealants other than those mentioned in 08 04 09.

SECTION 14: Transport information

14.1. UN number or ID number

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

14.2. UN proper shipping name

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

14.3. Transport hazard class(es)

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

14.4. Packing group

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

14.5. Environmental hazards

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

14.6. Special precautions for user

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

14.7. Maritime transport in bulk according to IMO instruments

not applicable

SECTION 15: Regulatory information

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

Ozone Depleting Substance (ODS) (Regulation (EC) No 1005/2009): Not applicable

Prior Informed Consent (PIC) (Regulation (EU) No 649/2012): Not applicable

Persistent organic pollutants (Regulation (EU) 2019/1021): Not applicable

VOC content (2010/75/EU) 0,0 %

VOC content 0 %

15.2. Chemical safety assessment

A chemical safety assessment has not been carried out.

National regulations/information (Germany):

WGK: WGK 2: significantly water endangering (Ordinance on facilities for handling substances that are hazardous to water (AwSV))
Classification according to AwSV, Annex 1 (5.2)

Storage class according to TRGS 510: 11

SECTION 16: Other information

The labelling of the product is indicated in Section 2. The full text of all abbreviations indicated by codes in this safety data sheet are as follows:

H318 Causes serious eye damage.
H361f Suspected of damaging fertility.
H400 Very toxic to aquatic life.
H411 Toxic to aquatic life with long lasting effects.

| | |
|-------------|---|
| ED: | Substance identified as having endocrine disrupting properties |
| EU OEL: | Substance with a Union workplace exposure limit |
| EU EXPLD 1: | Substance listed in Annex I, Reg (EC) No. 2019/1148 |
| EU EXPLD 2 | Substance listed in Annex II, Reg (EC) No. 2019/1148 |
| SVHC: | Substance of very high concern (REACH Candidate List) |
| PBT: | Substance fulfilling persistent, bioaccumulative and toxic criteria |
| PBT/vPvB: | Substance fulfilling persistent, bioaccumulative and toxic plus very persistent and very bioaccumulative criteria |
| vPvB: | Substance fulfilling very persistent and very bioaccumulative criteria |

Further information:

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