

Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)



76910 Thickener K 15

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Revised edition: 11.07.2025

Version: 2.0

Printed: 19.12.2025

1. Identification of the Substance/Mixture and of the Company/Undertaking

1.1. Product Identifier

Product Name: Thickener K 15

Article No.: 76910

UFI:

1.2. Relevant identified Uses of the Substance or Mixture and Uses advised against

Identified uses:

Raw material for industrial purposes

Uses advised against:

1.3. Details of the Supplier of the Safety Data Sheet (Producer/Importer)

Company: Kremer Pigmente GmbH & Co. KG

Address: Hauptstr. 41-47, 88317 Aichstetten, Germany

Tel./Fax.: Tel +49 7565 914480, Fax +49 7565 1606

Internet: www.kremer-pigmente.com

EMail: info@kremer-pigmente.com

Importer: --

1.4. Emergency No.

Emergency No.: +49 7565 914480 (Mon-Fri 8:00 - 17:00)

1.4.2 Poison Center:

2. Hazards Identification

2.1. Classification of the Substance or Mixture

Classification according to Regulation (EC) No. 1272/2008 (CLP/GHS)

This product does not require classification and labelling as hazardous according to CLP/GHS.

Possible Environmental Effects:

2.2. Label Elements

Classification according to Regulation (EC) No. 1272/2008 (CLP/GHS)

This product does not require classification and labelling as hazardous according to CLP/GHS.

Hazard designation:

Not applicable.

Signal word:

Hazard designation:

Safety designation:

Hazardous components for labelling:

2.3. Other Hazards

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EUH208: Contains 1,2-Benzisothiazol-3(2H)-one, reaction mass of 5-Chloro-2-methylisothiazolin-3(2H)-one and 2-Methylisothiazol-3(2H)-one (3:1): can cause allergic reactions.

3. Composition/Information on Ingredients

3.1. Substance

3.2. Mixture

Chemical Characterization:

Aqueous dispersion of a thermoplastic methacrylic acid-acrylic ester copolymer (conc. approx. 30%)

Information on Components / Hazardous Ingredients:

1,2-Benzisothiazol-3(2H)-one (H302-330-315-317-318-400 (M=1)-411); REACH Reg. No. 01-2120761540-60	0.025 - 0.036 %	CAS-Nr: 2634-33-5 EINECS-Nr: 220-120-9 EC-Nr: 613-088-00-6
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Reaction compound of 5-Chloro-2-methyl-2H-isothiazole-3-one and 2-Methyl-2H-isothiazole-3-one (3:1) (H301-310-330-314-317-318-400-H410); Spec. conc. limits: H314 >= 0.6%, H315 0.06 - <0.6%, H319 0.06 - <0.6%, H317 >= 0.0015%, H318 >= 0.6%; REACH Reg. No. 01-2120764691-48	0.0002-0.0015 %	CAS-Nr: 55965-84-9 EINECS-Nr: EC-Nr: 613-167-00-5
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Additional information:

4. First Aid Measures

4.1. Description of the First Aid Measures

General information:

Seek medical attention in case of complaints.

After inhalation:

In case of unconsciousness place patient stable in side position for transportation.

After skin contact:

Remove contaminated clothing immediately. Wash off immediately with plenty of water and soap.

After eye contact:

*Remove contact lens.
Protect unharmed eye.
In case of continued complaints consult a specialist.*

After ingestion:

*Keep airways free.
Never give anything by mouth to an unconscious person.
Do not give milk or alcoholic beverages to drink.
If symptoms persist, call a physician.*

4.2. Most important Symptoms and Effects, both Acute and Delayed

Symptoms:

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Effects:

4. 3. Indication of any Immediate Medical Attention and special Treatment needed

Treatment:

Treat symptomatically.

5. Fire-Fighting Measures

5. 1. Extinguishing Media

Suitable extinguishing media:

Use extinguishing media for surrounding fire.

Unsuitable extinguishing media:

None known.

5. 2. Special Hazards arising from the Substance or Mixture

Special hazards:

No hazardous combustion products known.

5. 3. Advice for Firefighters

Protective equipment:

Wear self-contained respiratory protective device.

Further information:

Contaminated extinguishing water and debris should be disposed of according to local regulations.

6. Accidental Release Measures

6. 1. Personal Precautions, Protective Equipment and Emergency Procedures

Personal precautions:

Wear protective clothing.

6. 2. Environmental Precautions

Environmental precautions:

Prevent contamination of soil, drains and surface waters.

Contact local authorities if product pollutes waterways or the sewage system.

6. 3. Methods and Material for Containment and Cleaning Up

Methods and material:

Heavy contamination should be removed mechanically for disposal (by pumping out).

Neutralize with lye, lime or ammonia.

Wipe up with adsorbant material (e.g cloth, fleece).

Collect in suitable containers for disposal.

6. 4. Reference to other Sections

For information for safe handling see Section 7.

Protective clothing, see Section 8.

See Section 13 for information on disposal.

7. Handling and Storage

7. 1. Precautions for Safe Handling

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Instructions on safe handling:

*Provide adequate ventilation.
Avoid contact with eyes, skin and clothing.*

Hygienic measures:

*No further measures, see Section 8.
Do not inhale dust. Wash hands before breaks and at the end of work.
Do not eat or drink during work. Do not smoke.*

7.2. Conditions for Safe Storage, including any Incompatibilities

Storage conditions:

*Store in tightly sealed containers in a dry room.
Do not store together with acids.*

Requirements for storage areas and containers:

Store product in correctly labelled containers.

Information on fire and explosion protection:

Follow the usual measures for preventive fire protection.

Storage class:

12; Non-combustible liquids (TRGS 510)

Further Information:

7.3. Specific End Use(s)

Further information:

The technical guidelines for the application of this product/mixture should be followed.

8. Exposure Controls/Personal Protection

8.1. Parameters to be Controlled

Parameters to be controlled (DE):

*Reaction compound of 5-Chlor-2-methyl-2H-isothiazole-3-one and 2-Methyl-2H-isothiazole-3-one (3:1): MAK: 0.2 mg/m³
Peak limitation: Exceedance factor (category): 2; I*

Parameters to be controlled:

Derived No-Effect Level (DNEL):

*1,2-Benzisothiazol-3(2H)-one (2634-33-5):
0.966 mg/kg bw/d (worker, skin contact, long-term exposure - systemic effects)
6.81 mg/m³ (worker, inhalation, long-term exposure - systemic effects)
Reaction compound of 5-Chloro-2-methyl-2H-isothiazole-3-one and 2-Methyl-2H-isothiazole-3-one (3:1):
0.02 mg/m³ (worker, inhalation, long-term exposition - local effects)*

PNEC (Predicted No-Effect

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Concentration):

1,2-Benzisothiazol-3(2H)-one (2634-33-5):

Fresh water/Sea water: 4.03 µg/l

Fresh water sediment: 49.9 µg/kg

Sea water sediment: 4.99 µg/kg

Sewage treatment system (STP): 1.03 mg/l

Soil: 3 mg/kg

Reaction compound of 5-Chloro-2-methyl-2H-isothiazole-3-one and 2-Methyl-2H-isothiazole-3-one (3:1):

Fresh water / Sea water: 3.39 µg/l

Fresh water sediment / Sea water sediment: 0.027 mg/kg

Sewage treatment system (STP): 0.23 µg/l

Soil: 0.01 mg/kg

Additional Information:

8.2. Exposure Controls

Technical protective measures:

Adequate ventilation.

Facilities storing or utilizing this material should be equipped with an eyewash and shower facility.

Personal Protection

General protective measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Avoid contact with eyes and skin.

Remove contaminated clothing immediately.

Respiratory protection:

In case of good ventilation no personal respiratory protective equipment required.

Hand protection:

Protective gloves (EN 374)

Protective glove material:

Nitrile rubber (480 min, 0.4 mm)

Eye protection:

Safety glasses (EN 166)

Body protection:

Environmental precautions:

Do not allow entering sewerage system.

9. Physical and Chemical Properties

9.1. Information on Basic Physical and Chemical Properties

Form: liquid

Color: whitish

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<i>Odor:</i>	<i>characteristic</i>
<i>Odor threshold:</i>	<i>no information available</i>
<i>pH-Value:</i>	<i>2.5 - 4.0 (20°C)</i>
<i>Melting temperature:</i>	<i>not determined</i>
<i>Boiling temperature:</i>	<i>not determined</i>
<i>Flash point:</i>	<i>not applicable</i>
<i>Evaporation rate:</i>	<i>not applicable</i>
<i>Flammability (solid, gas):</i>	<i>not flammable</i>
<i>Upper explosion limit:</i>	<i>no information available</i>
<i>Lower explosion limit:</i>	<i>no information available</i>
<i>Vapor pressure:</i>	<i>23 hPa (20°C)</i>
<i>Vapor density:</i>	<i>No information available.</i>
<i>Density:</i>	<i>1.05 g/cm³ (20°C)</i>
<i>Solubility in water:</i>	<i>completely miscible</i>
<i>Coefficient of variation (n-Octanol/Water):</i>	<i>not determined</i>
<i>Auto-ignition temperature:</i>	<i>not applicable</i>
<i>Decomposition temperature:</i>	<i>No data available.</i>
<i>Viscosity, dynamic:</i>	<i>5 - 30 mPa.s (20°C)</i>
<i>Explosive properties:</i>	<i>not applicable</i>
<i>Oxidizing properties:</i>	<i>no information available</i>

Bulk density:

9.2. Further Information

Solubility in solvents:

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Viscosity, kinematic:

Burning class:

Solvent content:

Solid content:

Particle size:

Other information:

No further information.

10. Stability and Reactivity

10.1. Reactivity

Stable if used according to specifications.

10.2. Chemical Stability

Stable if used according to specifications.

10.3. Possibility of Hazardous Reactions

No information available.

10.4. Conditions to Avoid

Conditions to avoid:

Protect from frost, heat and direct sunlight.

Thermal decomposition:

10.5. Incompatible Materials

No information available.

10.6. Hazardous Decomposition Products

None if stored and handled according to specifications.

10.7. Further Information

11. Toxicological Information

11. 1. Information on Hazard Classes as defined in Regulation (EC) No. 1272/2008

Acute Toxicity

LD50, oral:

1,2-Benzisothiazol-3(2H)-one: 450 mg/kg (rat)

Reaction compound of 5-Chloro-2-methyl-2H-isothiazol-3-one (EC 247-500-7) and 2-Methyl-2H-isothiazol-3-one (EC 220-239-6) (3:1): 64 mg/kg (rat)

LD50, dermal:

1,2-Benzisothiazol-3(2H)-one: > 2000 mg/kg (rat, m/w; OECD 402)

Reaction compound of: 5-Chloro-2-methyl-2H-isothiazol-3-one and 2-Methyl-2H-isothiazol-3-one (3:1): 87.12 mg/kg (rabbit)

LC50, inhalation:

1,2-Benzisothiazol-3(2H)-one: 0.21 mg/l (estimated value)

Reaction compound of: 5-Chloro-2-methyl-2H-isothiazol-3-one and 2-Methyl-2H-isothiazol-3-one (3:1): 0.33 mg/l (4h, rat; OECD 403)

Primary effects

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Irritant effect on skin:

1,2-Benzisothiazol-3-(2H)-one: irritating (4h, rabbit)
Reactions compound of 5-Chloro-2-methyl-2H-isothiazole-3-one and 2-Methyl-2H-isothiazole-3-one (3:1): causes chemical burns (OECD 404)

Irritant effect on eyes:

1,2-Benzisothiazol-3(2H)-one: May cause severe eye irritation and may result in permanent impairment of vision, even blindness.
Reaktion compound of 5-Chloro-2-methyl-2H-isothiazole-3-one and 2-Methyl-2H-isothiazole-3-one (3:1): risk of severe eye damage (rabbit)

Inhalation:

No information available.

Ingestion:

No information available

Sensitization:

1,2-Benzisothiazol-3(2H)-one: Skin contact may cause allergic skin reactions.
Reaction compound of 5-Chloro-2-methyl-2H-isothiazole-3-one and 2-Methyl-2H-isothiazole-3-one (3:1): may cause sensitization by skin contact (guinea pig; OECD 406)

Mutagenicity:

1,2-Benzisothiazol-3(2H)-one: In vitro genotoxicity studies were negative. Genotoxicity studies in animals were negative.
In vivo genetic-toxicity: negative (OECD 486, rat)

Reproductive toxicity:

1,2-Benzisothiazol-3(2H)-one: Did not cause any adverse effects on reproductive ability in animal studies.

Carcinogenicity:

No relevant data found.

Teratogenicity:

No information available.

Specific target organ toxicity (STOT):

Single exposure:

1,2-Benzisothiazol-3(2H)-one: The substance or mixture is not classified as specific target organ toxicant.

Reaction compound of 5-Chloro-2-methyl-2H-isothiazole-3-one and 2-Methyl-2H-isothiazole-3-one (3:1): The substance or mixture is not classified as specific target organ toxicant.

Repeated exposure:

1,2-Benzisothiazol-3(2H)-one: The substance or mixture is not classified as specific target organ toxicant.

Reaction compound of 5-Chloro-2-methyl-2H-isothiazole-3-one and 2-Methyl-2H-isothiazole-3-one (3:1): The substance or mixture is not classified as specific target organ toxicant.

Aspiration hazard:

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No information available.

11. 2. Information on other Hazards

Endocrine Disrupting Properties:

This substance/mixture does not contain any components with endocrine disrupting properties in a percentage of 0.1 or greater, according to Article 57(f) of the REACH Regulation (EC) No. 1907/2006 or the Delegated Regulation (EC) 2017/2100 or the Delegated Regulation (EC) 2018/605.

12. Ecological Information

12. 1. Aquatic Toxicity

Fish toxicity:

1,2-Benzisothiazol-3(2H)-one: LC50: 2.18 mg/l (96h, *Oncorhynchus mykiss*; OECD 203)

Reaction mass of 5-Chloro-2-methyl-2H-isothiazole-3-one and 2-Methyl-2H-isothiazole-3-one (3:1): LC50: 0.19 mg/l (96h, *Oncorhynchus mykiss*); NOEC: 0.046 mg/l (35d; OECD 210)

Daphnia toxicity:

1,2-Benzisothiazol-3(2H)-one: EC50: 2.94 mg/L (48h, *Daphnia magna*; OECD 202)

Reaction compound of 5-Chloro-2-methyl-2H-isothiazole-3-one and 2-Methyl-2H-isothiazole-3-one (3:1): EC50: 0.16 mg/l (48h, *Daphnia magna*); NOEC: 0.1 mg/l (21d, *Daphnia magna*)

Bacteria toxicity:

No data available.

Algae toxicity:

1,2-Benzisothiazol-3(2H)-one: ErC50: 0.110 mg/l (72h, *Selenastrum capricornutum*; OECD 201); NOEC: 0.0403 mg/l (72h, *Pseudokirchneriella subcapitata*; OECD 201)

Reaction compound of 5-Chloro-2-methyl-2H-isothiazole-3-one and 2-Methyl-2H-isothiazole-3-one (3:1): ErC50: 0,037 mg/l (72h, *Selenastrum capricornutum*)

12. 2. Persistency and Degradability

1,2-Benzisothiazol-3(2h)-one: Not readily biodegradable.

Reaction mass of 5-Chloro-2-methyl-2H-isothiazole-3-one and 2-Methyl-2H-isothiazole-3-one (3:1): Not readily biodegradable.

12. 3. Bioaccumulation

1,2-Benzisothiazol-3(H)-one: Bioaccumulation is unlikely.

Reaction mass of: 5-Chloro-2-methyl-2H-isothiazol-3-one and 2-Methyl-2H-isothiazol-3-one (3:1): No bioaccumulation (OECD 305)

12. 4. Mobility

1,2-Benzisothiazol-3(2H)-one: Adsorption/Soil: KoC: 104 (estimated)

12. 5. Results of PBT- und vPvP Assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1 % or higher.

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12. 6. Endocrine Disrupting Properties

This substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated Regulation (EU) No. 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1 % or higher.

12. 7. Other Adverse Effects

Water hazard class:

1, slightly hazardous

Behaviour in sewage systems:

Further ecological effects:

1,2-Benzisothiazol-3(2H)-one: Do not let product enter groundwater, waterways or sewage system.

Toxic to aquatic organisms, with long-term effects.

AOX Value:

13. Disposal Considerations

13. 1. Waste Treatment Methods

Product:

Dispose of according to official national and local regulations.

European Waste Code (EWC):

Uncleaned packaging:

Dispose of according to official local regulations.

Waste Code No.:

14. Transport Information

14. 1. UN Number

ADR, IMDG, IATA

14. 2. UN Proper Shipping Name

ADR/RID:

No hazardous goods according to ADR / DOT (US) (land transportation).

IMDG/IATA:

Not hazardous goods

14. 3. Transport Hazard Classes

ADR Class:

not applicable

Hazard no.:

Classification code:

Tunnel restriction code:

IMDG Class (sea):

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not applicable

Hazard no.:

EmS No.:

IATA Class:

not applicable

Hazard no.:

14. 4. Packaging Group

ADR/RID:

not applicable

IMDG:

IATA:

14. 5. Environmental Hazards

None

14. 6. Special Precautions for User

Not classified as a dangerous good under transport regulations.

14. 7. Maritime Transport in Bulk according to IMO Instruments

not applicable

14. 8. Further Information

15. Regulatory Information

15. 1. Safety, Health and Environmental Regulations/Legislation specific for the Substance or Mixture

Water hazard class:

1, slightly hazardous for water (according to the German Regulation AwSV)

Local regulations on chemical accidents:

Seveso III Directive: not applicable under Directive 2012/18/EC.

Employment restrictions:

Restriction and prohibition of application:

EC. REACH, Section XVII, Restrictions on the Manufacture, Placing on the Market and Use of Certain Dangerous Substances, Preparations and Articles, Registered no. 75

Technical instructions on air quality:

15. 2. Chemical Safety Assessment

*A Chemical Safety Assessment is not necessary for this product.
REACH - Candidate List of Substances of Very High Concern for Authorization (Article 59): not applicable*

15. 3. Further Information

*EC. REACH, Annex XIV, Candidate List of Substances of very High Concern (SVHC): not regulated / not applicable
Regulation (EC) 2037/2000 - Substances that Deplete the Ozone Layer: not regulated / not applicable
Regulation (EU) 2019/1021 - Persistent organic pollutants: not*

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regulated / not applicable

Regulation (EC) 649/2012 concerning the export and import of dangerous chemicals: Not applicable

Directive 2010/75/EC on Industrial Emissions (VOC): 0.01 %

16. Other Information

This product should be stored, handled and used in accordance with good hygiene practices and in conformity with any legal regulations. This information contained herein is based on the present state of knowledge and is intended to describe our product from the point of view of safety requirements. It should be therefore not be construed as guaranteeing specific properties.