

Safety Data Sheet

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



75085 Acrylic Gel K 85

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Revised edition: 26.03.2025

Version: 3

Printed: 26.08.2025

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

1.1. Product Identifier

Product Name: Acrylic Gel K 85

Article No.: 75085

UFI: --

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

Identified uses:
Artists supplies

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)

Hazard designation:
Not applicable.

Signal word:

Hazard designation:
EUH208 May produce an allergic reaction.

Safety designation:

Hazardous components for labelling:

2.3. Other Hazards

Contains 1,2-Benzisothiazol-3(2H)-one: can cause allergic

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reactions.

3. Composition/Information on Ingredients

3.1. Substance

3.2. Mixture

This produkt is a mixture.

Chemical Characterization:

Information on Components / Hazardous Ingredients:

1,2-Benzisothiazol-3(2H)-one (H302-315-317-318-400 (M=1)-411); REACH Reg. No. 01-2120761540-60	0.025-0.05 %	CAS-Nr: 2634-33-5 EINECS-Nr: 220-120-9 EC-Nr: 613-088-00-6
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Additional information:

4. First Aid Measures

4.1. Description of the First Aid Measures

General information:

Self-protection of the first-aider (protective clothes and eyewear, respiratory protection)

After inhalation:

Supply fresh air.

Get medical attention if symptoms occur.

After skin contact:

Wash off with plenty of water and soap. Consult a physician if irritation persists.

Wash contaminated clothing and shoes before reuse.

A suitable emergency shower should be available in the working area.

After eye contact:

Rinse open eye for several minutes under running water.

Remove the contact lenses within the first 1-2 minutes and continue rinsing for additional minutes.

In case of continued complaints consult a specialist.

After ingestion:

Rinse mouth with plenty of water.

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

Symptoms:

No further information available.

Effects:

No further information available.

4.3. Indication of any Immediate Medical Attention and special Treatment needed

Treatment:

No further information available.

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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:

*Material can splatter above 100°C/212°F. Dried product can burn.
In case of fire: formation of carbon monoxide, carbon dioxide.*

5.3. Advice for Firefighters

Protective equipment:

Wear self-contained respiratory protective device and protective clothing.

Further information:

6. Accidental Release Measures

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

Personal precautions:

*Wear appropriate protective equipment. Keep spectators away.
Floor may be slippery; use care to avoid falling.*

6.2. Environmental Precautions

Environmental precautions:

*Caution: Keep spills and cleaning runoff out of municipal sewers
and open bodies of water.*

6.3. Methods and Material for Containment and Cleaning Up

Methods and material:

*Contain with absorbent, inert material (sand, earth) and dispose
accordingly.*

*Transfer liquids and solid diking material to separate suitable
containers for recovery or disposal.*

6.4. Reference to other Sections

See Section 13 for information on disposal.

7. Handling and Storage

7.1. Precautions for Safe Handling

Instructions on safe handling:

*Avoid contact with eyes, skin and clothing.
Do not breathe vapors, spray or gas.*

Hygienic measures:

*Wash hands at the end of work. Preventive skin protection
recommended.*

7.2. Conditions for Safe Storage, including any Incompatibilities

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Storage conditions:

Keep from freezing; material may coagulate.
Store between 1-49°C (34-120°F).
Stir well before use.
Store in closed container and keep product dry.

Requirements for storage areas and containers:

No special measures necessary.

Information on fire and explosion protection:

Monomer vapors may be evolved when material is heated during processing operations.

Storage class:

Further Information:

7.3. Specific End Use(s)

Further information:

No information available.

8. Exposure Controls/Personal Protection

8.1. Parameters to be Controlled

Parameters to be controlled (DE):

1,2-Benzisothiazol-3(2H)-one (CAS 2634-33-5): TWA: 0.06 mg/m³

Parameters to be controlled:

1,2-Benzisothiazol-3(2H)-one (CAS 2634-33-5): STEL: 0.1 mg/m³

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)
0.345 mg/kg bw/d (consumer, skin contact, long-term exposure - systemic effects)
1.2 mg/m³ (consumer, inhalation, long-term exposure - systemic effects)

PNEC (Predicted No-Effect Concentration):

1,2-Benzisothiazol-3(2H)-one (2634-33-5):
Freshwater: 0.004 mg/l
Sea water: 0.0004 mg/l
Fresh water sediment: 0.0499 mg/kg
Sea water sediment: 0.00499 mg/kg
Intermittent release: 0.0011 mg/l
Sewage treatment system (STP): 1.03 mg/l
Soil: 3 mg/kg

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Additional Information:

8. 2. Exposure Controls

Technical protective measures:

Use local exhaust ventilation in case of dust and/or fume formation.

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

Personal Protection

General protective measures:

Remove contaminated clothing. Wash hands after work.

Respiratory protection:

Respiratory equipment required in case of insufficient ventilation, filter combination type A-P2.

Hand protection:

Chemical protective gloves (EN 374 (Europe), F739 (US)).

Protective glove material:

Neoprene, nitrile rubber (NBR), polyvinyl chloride (PVC) (> 0.35 mm)

For short-term exposure:

Recommended: Protective index 3, corresponding > 60 min. of permeation time (EN 374).

For long-term exposure:

Recommended: Protective index 5, corresponding > 240 min. of permeation time (EN 374).

Not suitable material: polyvinyl alcohol (PVA)

Eye protection:

Safety glasses with protective shields (EN 166).

Chemical splash goggles (ANSI Z87,1 or approved equivalent).

Body protection:

Environmental precautions:

Prevent contamination of open water ways and sewage system. Avoid contamination of ground water.

9. Physical and Chemical Properties

9. 1. Information on Basic Physical and Chemical Properties

Form: paste

Color: clear-transparent

Odor: none

Odor threshold:
no information available

pH-Value: 8 - 9

Melting temperature:

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<i>Boiling temperature:</i>	<i>100°C</i>
<i>Flash point:</i>	<i>not combustible</i>
<i>Evaporation rate:</i>	
<i>Flammability (solid, gas):</i>	<i>not applicable</i>
<i>Upper explosion limit:</i>	<i>not applicable</i>
<i>Lower explosion limit:</i>	<i>not applicable</i>
<i>Vapor pressure:</i>	
<i>Vapor density:</i>	
<i>Density:</i>	
<i>Solubility in water:</i>	<i>insoluble</i>
<i>Coefficient of variation (n-Octanol/Water):</i>	<i>no information available</i>
<i>Auto-ignition temperature:</i>	<i>No information available.</i>
<i>Decomposition temperature:</i>	<i>No data available.</i>
<i>Viscosity, dynamic:</i>	
<i>Explosive properties:</i>	<i>not available</i>
<i>Oxidizing properties:</i>	<i>no information available</i>
<i>Bulk density:</i>	

9.2. Further Information

<i>Solubility in solvents:</i>	
<i>Viscosity, kinematic:</i>	
<i>Burning class:</i>	
<i>Solvent content:</i>	
<i>Solid content:</i>	
<i>Particle size:</i>	
<i>Other information:</i>	

10. Stability and Reactivity

10.1. Reactivity

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	<i>Stable if used according to specifications.</i>
10.2. Chemical Stability	<i>Stable if used according to specifications.</i>
10.3. Possibility of Hazardous Reactions	<i>Hazardous polymerisation will not occur.</i>
10.4. Conditions to Avoid	
<i>Conditions to avoid:</i>	<i>No information available.</i>
<i>Thermal decomposition:</i>	<i>Thermal decomposition may yield acrylic monomers.</i>
10.5. Incompatible Materials	<i>There are no known products which are incompatible with this product.</i>
10.6. Hazardous Decomposition Products	<i>No information available.</i>
10.7. Further Information	<i>Product does not polymerize.</i>

11. Toxicological Information

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

Acute Toxicity

LD50, oral:

> 5000 mg/kg (rat)

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

LD50, dermal:

> 2000 mg/kg (rabbit)

1,2-Benzisothiazol-3(2H)-one: > 5000 mg/kg (rabbit)

LC50, inhalation:

No adverse effects expected after a single exposure.

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

Primary effects

Irritant effect on skin:

Shortterm exposition may cause slight skin irritation with local redness.

1,2-Benzisothiazol-3-(2H)-one: Brief exposure may cause severe skin irritation with pain and local redness.

Irritant effect on eyes:

Can cause a slight temporary eye irritation.

A corneal injury is unlikely.

1,2-Benzisothiazol-3(2H)-one: May cause severe eye irritation and may result in permanent impairment of vision, even blindness.

Inhalation:

No information available.

Ingestion:

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No information available

Sensitization:

May cause allergic skin reactions.

1,2-Benzisothiazol-3(2H)-one: Skin contact may cause allergic skin reactions.

Mutagenicity:

Based on tests for product(s) in this substance family: in vitro genotoxicity studies were negative.

1,2-Benzisothiazol-3(2H)-one: In vitro genotoxicity studies were negative. Genotoxicity studies in animals were negative.

Reproductive toxicity:

No data available for the produkt.

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

Carcinogenicity:

No data available for the produkt.

1,2-Benzisothiazol-3(2H)-one: no information available

Teratogenicity:

No data available for the produkt.

1,2-Benzisothiazol-3(2H)-one: No birth defects caused in laboratory animals.

Specific target organ toxicity (STOT):

Single exposure: no data available for the product.

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

Repeated exposure: no data available for the product.

1,2-Benzisothiazol-3(2H)-one: Based on the evaluation of available data, no significant adverse effects are expected from repeated exposure.

Aspiration hazard:

No risk of aspiration.

1,2-Benzisothiazol-3(2H)-one: No risk of aspiration.

11. 2. Information on other Hazards

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.

1,2-Benzisothiazol-3(2H)-one: no endocrine-disrupting properties.

12. Ecological Information

12. 1. Aquatic Toxicity

Fish toxicity:

1,2-Benzisothiazol-3(2H)-one: LC50: 1.9 mg/L (96h, Oncorhynchus mykiss; OECD 203); The substance is very toxic to aquatic organisms (LC50/EC50/IC50 less than 1 mg/L for the most sensitive species).

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Daphnia toxicity:

1,2-Benzisothiazol-3(2H)-one: EC50: 3.7 mg/L (48h, Daphnia magna; OECD 202); LC50: 1.9 mg/L (96h; Mysidopsis bahia)

Bacteria toxicity:

1,2-Benzisothiazol-3(2H)-one: EC50: 28.52 mg/l (3h, active sludge)

Algae toxicity:

1,2-Benzisothiazol-3(2H)-one: ErC50: 0.11 mg/l, NOEC: 0.0403 mg/l (72h, Pseudokirchneriella subcapitata; OECD 201)

12. 2. Persistency and Degradability

1,2-Benzisothiazol-3(2H)-one: 24 % (28d; OECD 301B), readily biodegradable

12. 3. Bioaccumulation

1,2-Benzisothiazol-3(H)-one: log POW: 1,19 (OECD 117); Bioconcentration factor (BCF): 3.2

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).

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:

No ecological data available.

No ecological problems expected.

The product does not contain any substances which can deplete the ozone layer, according to Regulation (EC) 1005/2009

AOX Value:

13. Disposal Considerations

13. 1. Waste Treatment Methods

Product:

Coagulate the emulsion by the stepwise addition of ferric chloride and lime. Remove the clear supernatant and flush to a chemical sewer. Incinerate liquid and contaminated solids in accordance with local, state and federal regulations.

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Dispose of according to official national and local regulations.

European Waste Code (EWC):

Uncleaned packaging:

Possible residues in empty container can be dangerous. Do not reuse container.

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):

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.

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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 (German Regulation)

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. 65, 75

Technical instructions on air quality:

15. 2. Chemical Safety Assessment

A Chemical Safety Assessment is not necessary for this product.

15. 3. Further Information

REACH: This mixture contains exclusively components which have been either pre-registered, are exempted from registration or must not be registered according to EC Regulation 1907/2006 (REACH).

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.