

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Date of creation: 12 Feb 2025

Revised on: 8 Jul 2026

Version: 4.1, replaces version 4

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

1.1. Product identifier

Trade name/designation:

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

Use of the substance/mixture:

Impregnation agent

1.3. Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/only representative/downstream user/distributor):

OBTEGO AG

Landshuter Straße 36

84051 Essenbach/Altheim

Germany

Telephone: +49 8703/93844-0

Telefax: +49 8703/93844-29

E-mail: sdb@obtego.com

Website: www.obtego.com

E-mail (competent person): sdb@obtego.com

1.4. Emergency telephone number

24h: +49(0)89-19240

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard statements: none

Supplemental hazard information

EUH208

Contains KATHON CG. May produce an allergic reaction.

Precautionary statements Prevention

P260

Do not breathe dust/fume/gas/mist/vapours/spray.

P280

Wear protective gloves/protective clothing and eye protection/face protection.

2.3. Other hazards

Adverse human health effects and symptoms:

The substance/mixture does not contain components that are endocrine disruptors according to REACH Article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Delegated Regulation (EU) 2018/605 in quantities of 0.1% or more.

Adverse environmental effects:

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.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Description:

contains: Acrylate Dispersion

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Hazardous ingredients / Hazardous impurities / Stabilisers:

Product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 34590-94-8 EC No.: 252-104-2 REACH No.: 01-2119450011-60-XXXX	(2-methoxymethylethoxy)propanol Substance with a community workplace exposure limit. Acute Toxicity Estimate ATE (oral) 5,140 mg/kg ATE (dermal) 9,510 mg/kg	0 - ≤ 2 weight-%
CAS No.: 2943-75-1 EC No.: 220-941-2 REACH No.: 01-2119972313-39-0001	triethoxyoctylsilane Skin Irrit. 2 (H315)  Warning	0 - ≤ 2 weight-%
CAS No.: 55965-84-9 Index No.: 613-167-00-5	KATHON CG Acute Tox. 2 (H330, H310), Acute Tox. 3 (H301), Aquatic Acute 1 (H400), Aquatic Chronic 1 (H410), Eye Dam. 1 (H318), Skin Corr. 1C (H314), Skin Sens. 1A (H317)    Danger EUH071 M-factor (acute): 100 M-factor (chronic): 100 Specific concentration limit (SCL) Skin Corr. 1C; H314: $C \geq 0.6\%$ Skin Irrit. 2; H315: $0.06\% \leq C < 0.6\%$ Eye Dam. 1; H318: $C \geq 0.6\%$ Eye Irrit. 2; H319: $0.06\% \leq C < 0.6\%$ Skin Sens. 1A; H317: $C \geq 0.0015\%$	0 - ≤ 0.0014 weight-%

Full text of H- and EUH-phrases: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information:

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Remove victim out of the danger area. Remove contaminated, saturated clothing. If unconscious but breathing normally, place in recovery position and seek medical advice. Do not leave affected person unattended.

Following inhalation:

Provide fresh air.

In case of skin contact:

Wash with plenty of water.

After eye contact:

Wash with plenty of water. Consult an ophthalmologist.

Following ingestion:

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Rinse mouth. Let 1 glass of water be drunken in little sips (dilution effect). Get medical advice/attention if you feel unwell.

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

No known symptoms to date.

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:

The product itself does not burn.

Unsuitable extinguishing media:

Full water jet

5.2. Special hazards arising from the substance or mixture

Pyrolysis products, toxic

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Hazardous combustion products:

In case of fire: Gases/vapours, toxic: Nitrogen oxides (NOx). Carbon dioxide (CO₂), Carbon monoxide

5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

5.4. Additional information

Dispose of waste according to applicable legislation. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Personal precautions:

Special danger of slipping by leaking/spilling product. Provide adequate ventilation. Remove persons to safety. Avoid breathing dust/fume/gas/mist/vapours/spray.

Protective equipment:

Wear protective gloves/protective clothing/eye protection/face protection.

6.1.2. For emergency responders

Personal protection equipment:

Personal protection equipment: Refer to section 2 of the safety data sheet. Personal protection equipment: see section 8

6.2. Environmental precautions

Prevent spread over a wide area (e.g. by containment or oil barriers). Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

For containment:

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

For cleaning up:

Treat the recovered material as prescribed in the section on waste disposal.

6.4. Reference to other sections

Safe handling: see section 7. Disposal: see section 13 Personal protection equipment: see section 8

6.5. Additional information

Only use containers specifically approved for the substance/product. Use appropriate container to avoid environmental contamination.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Protective measures

Advices on safe handling:

Provide adequate ventilation. Wear personal protection equipment (refer to section 8).

Fire prevent measures:

Usual measures for fire prevention.

Measures to prevent aerosol and dust generation:

Operate if possible out of doors or in a well-ventilated place.

Environmental precautions:

Do not allow to enter into surface water or drains.

Advices on general occupational hygiene

Wash hands before breaks and after work. Use protective skin cream before handling the product. When using do not eat, drink, smoke, sniff. Avoid contact with skin, eyes and clothes.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions:

Keep container tightly closed in a cool, well-ventilated place.

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Packaging materials:

Keep only in original packaging.

Requirements for storage rooms and vessels:

The floor should be leak tight, jointless and not absorbent.

Hints on storage assembly:

Do not store together with: Food and feedingstuffs

Storage class (TRGS 510, Germany): 12 - non-combustible liquids that cannot be assigned to any of the above storage classes

Further information on storage conditions:

Protect containers against damage. Protect from sunlight. Store in a well-ventilated place.

7.3. Specific end use(s)

Industrial sector specific solutions:

Covering agents, water based, low-preservatives

GISCODE:

BSW20

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Occupational exposure limit values

Limit value type (country of origin)	Substance name	① Long-term occupational exposure limit value ② Short-term occupational exposure limit value ③ Instantaneous value ④ Monitoring and observation processes ⑤ Remark
IOELV (EU)	(2-methoxymethylethoxy)propanol CAS No.: 34590-94-8 EC No.: 252-104-2	① 50 ppm (308 mg/m ³) ⑤ (may be absorbed through the skin)
TRGS 900 (DE)	(2-methoxymethylethoxy)propanol CAS No.: 34590-94-8 EC No.: 252-104-2	① 50 ppm (310 mg/m ³) ② 50 ppm (310 mg/m ³) ⑤ (Aerosol und Dampf) DFG, EU, 11
DFG (DE) from 1 Jul 2024	KATHON CG CAS No.: 55965-84-9	① 0.2 mg/m ³ ⑤ (einatembare Fraktion) Gemisch aus cas 26172-55 und 2682-20

8.1.2. Biological limit values

No data available

8.1.3. DNEL-/PNEC-values

Substance name	DNEL value	① DNEL type ② Exposure route ③ Exposure time
(2-methoxymethylethoxy)propanol CAS No.: 34590-94-8 EC No.: 252-104-2	310 mg/m ³	① DNEL worker ② Long-term - inhalation, systemic effects
(2-methoxymethylethoxy)propanol CAS No.: 34590-94-8 EC No.: 252-104-2	308 mg/m ³	① DNEL worker ② Long-term - inhalation, systemic effects ③ 8 h
(2-methoxymethylethoxy)propanol CAS No.: 34590-94-8 EC No.: 252-104-2	37.2 mg/m ³	① DNEL Consumer ② Long-term - inhalation, systemic effects
(2-methoxymethylethoxy)propanol CAS No.: 34590-94-8 EC No.: 252-104-2	37.2 mg/m ³	① DNEL Consumer ② Long-term - inhalation, systemic effects ③ 8 h

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Substance name	DNEL value	① DNEL type ② Exposure route ③ Exposure time
(2-methoxymethylethoxy)propanol CAS No.: 34590-94-8 EC No.: 252-104-2	65 mg/kg bw/ day	① DNEL worker ② Long-term - dermal, systemic effects
(2-methoxymethylethoxy)propanol CAS No.: 34590-94-8 EC No.: 252-104-2	283 mg/kg bw/ day	① DNEL worker ② Long-term - dermal, systemic effects ③ 8 h
(2-methoxymethylethoxy)propanol CAS No.: 34590-94-8 EC No.: 252-104-2	15 mg/kg bw/ day	① DNEL Consumer ② Long-term - dermal, systemic effects
(2-methoxymethylethoxy)propanol CAS No.: 34590-94-8 EC No.: 252-104-2	121 mg/kg bw/ day	① DNEL Consumer ② Long-term - dermal, systemic effects ③ 8 h
(2-methoxymethylethoxy)propanol CAS No.: 34590-94-8 EC No.: 252-104-2	1.67 mg/kg bw/day	① DNEL Consumer ② Long-term - oral, systemic effects
(2-methoxymethylethoxy)propanol CAS No.: 34590-94-8 EC No.: 252-104-2	36 mg/kg bw/ day	① DNEL Consumer ② Long-term - oral, systemic effects ③ 8 h
triethoxyoctylsilane CAS No.: 2943-75-1 EC No.: 220-941-2	17.6 mg/m ³	① DNEL worker ② Long-term - inhalation, systemic effects ③ 8 h
triethoxyoctylsilane CAS No.: 2943-75-1 EC No.: 220-941-2	4.3 mg/m ³	① DNEL Consumer ② Long-term - inhalation, systemic effects ③ 8 h
triethoxyoctylsilane CAS No.: 2943-75-1 EC No.: 220-941-2	2.5 mg/kg bw/ day	① DNEL worker ② Long-term - dermal, systemic effects ③ 8 h
triethoxyoctylsilane CAS No.: 2943-75-1 EC No.: 220-941-2	1.25 mg/kg bw/day	① DNEL Consumer ② Long-term - dermal, systemic effects ③ 8 h
triethoxyoctylsilane CAS No.: 2943-75-1 EC No.: 220-941-2	1.25 mg/kg bw/day	① DNEL Consumer ② Long-term - oral, systemic effects ③ 8 h

Substance name	PNEC Value	① PNEC type
(2-methoxymethylethoxy)propanol CAS No.: 34590-94-8 EC No.: 252-104-2	19 mg/L	① PNEC aquatic, freshwater
(2-methoxymethylethoxy)propanol CAS No.: 34590-94-8 EC No.: 252-104-2	19 mg/L	① PNEC aquatic, freshwater
(2-methoxymethylethoxy)propanol CAS No.: 34590-94-8 EC No.: 252-104-2	1.9 mg/L	① PNEC aquatic, marine water
(2-methoxymethylethoxy)propanol CAS No.: 34590-94-8 EC No.: 252-104-2	1.9 mg/L	① PNEC aquatic, marine water
(2-methoxymethylethoxy)propanol CAS No.: 34590-94-8 EC No.: 252-104-2	4,168 mg/L	① PNEC sewage treatment plant

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Substance name	PNEC Value	① PNEC type
(2-methoxymethylethoxy)propanol CAS No.: 34590-94-8 EC No.: 252-104-2	4,168 mg/L	① PNEC sewage treatment plant
(2-methoxymethylethoxy)propanol CAS No.: 34590-94-8 EC No.: 252-104-2	70.2 mg/kg	① PNEC sediment, freshwater
(2-methoxymethylethoxy)propanol CAS No.: 34590-94-8 EC No.: 252-104-2	70.2 mg/kg sediment dw	① PNEC sediment, freshwater
(2-methoxymethylethoxy)propanol CAS No.: 34590-94-8 EC No.: 252-104-2	7.02 mg/kg	① PNEC sediment, marine water
(2-methoxymethylethoxy)propanol CAS No.: 34590-94-8 EC No.: 252-104-2	7.02 mg/kg sediment dw	① PNEC sediment, marine water
(2-methoxymethylethoxy)propanol CAS No.: 34590-94-8 EC No.: 252-104-2	190 mg/L	① PNEC air
(2-methoxymethylethoxy)propanol CAS No.: 34590-94-8 EC No.: 252-104-2	2.74 mg/kg soil dw	① PNEC soil
(2-methoxymethylethoxy)propanol CAS No.: 34590-94-8 EC No.: 252-104-2	2.74 mg/kg	① PNEC soil, freshwater
triethoxyoctylsilane CAS No.: 2943-75-1 EC No.: 220-941-2	19 mg/kg sediment dw	① PNEC sediment, freshwater
triethoxyoctylsilane CAS No.: 2943-75-1 EC No.: 220-941-2	1.9 mg/kg sediment dw	① PNEC sediment, freshwater
triethoxyoctylsilane CAS No.: 2943-75-1 EC No.: 220-941-2	1.9 mg/kg sediment dw	① PNEC sediment, marine water
triethoxyoctylsilane CAS No.: 2943-75-1 EC No.: 220-941-2	0.19 mg/kg sediment dw	① PNEC sediment, marine water
triethoxyoctylsilane CAS No.: 2943-75-1 EC No.: 220-941-2	4.47 mg/kg soil dw	① PNEC soil
triethoxyoctylsilane CAS No.: 2943-75-1 EC No.: 220-941-2	0.23 mg/kg soil dw	① PNEC soil
triethoxyoctylsilane CAS No.: 2943-75-1 EC No.: 220-941-2	56 mg/kg	① PNEC secondary poisoning

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Technical measures for preventing exposure

8.2.2. Personal protection equipment



Eye/face protection:

Eye glasses with side protection EN 166

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Skin protection:

Tested protective gloves must be worn EN ISO 374. Breakthrough times and swelling properties of the material must be taken into consideration. EN ISO 374 Suitable material: Breakthrough time: min In the case of wanting to use the gloves again, clean them before taking off and air them well.

Respiratory protection:

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn. Respiratory protection necessary at: aerosol or mist formation e.g. Filter type:P2 (EN 14387).

Other protection measures:

Only wear fitting, comfortable and clean protective clothing.

8.2.3. Environmental exposure controls

See section 7. No additional measures necessary.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state: Liquid

Form: emulsion

Colour: whitish

Odour: not determined

flammability: No data available

Safety relevant basis data

Parameter	Value	at °C	① Method ② Remark
pH	8.5 - 9.5	20 °C	
Melting point	No data available		
Freezing point	No data available		
Initial boiling point and boiling range	No data available		
Flash point	No data available		
Evaporation rate	No data available		
Auto-ignition temperature	No data available		
Upper/lower flammability or explosive limits	No data available		
Vapour pressure	No data available		
Vapour density	No data available		
Density	1.013 - 1.033 g/cm ³	20 °C	
Bulk density	not applicable		
Water solubility	No data available		
Dynamic viscosity	No data available		
Kinematic viscosity	No data available		

9.2. Other information

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

10.2. Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions

No known hazardous reactions.

10.4. Conditions to avoid

See section 7. No additional measures necessary.

10.5. Incompatible materials

Materials to avoid Oxidizing agent

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10.6. Hazardous decomposition products

No known hazardous decomposition products.

SECTION 11: Toxicological information

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

KATHON CG	CAS No.: 55965-84-9
ATE oral:	>5,000 mg/kg
ATE dermal:	>3,700 mg/kg
ATE inhalativ Stäube+Nebel:	>5 mg/L
LD₅₀ oral:	66 mg/kg (rat) EPA OPP 81-1 (Acute Oral Toxicity)
LD₅₀ dermal:	>1,008 mg/kg (rat) EPA OPP 81-2 (Acute Dermal Toxicity)
LC₅₀ Acute inhalation toxicity (dust/mist):	0.33 mg/L 4 h (rat) OECD Guideline 403 (Acute Inhalation Toxicity)
(2-methoxymethylethoxy)propanol	CAS No.: 34590-94-8 EC No.: 252-104-2
LD₅₀ oral:	5,140 mg/kg (Ratte)
LD₅₀ dermal:	9,510 mg/kg (Kaninchen)
triethoxyoctylsilane	CAS No.: 2943-75-1 EC No.: 220-941-2
LD₅₀ oral:	>5,110 mg/kg (Rat) OECD 401
LD₅₀ dermal:	6,730 mg/kg (Rabbit) OECD 402
LC₅₀ Acute inhalation toxicity (vapour):	22 mg/L 4 h (Rat) OECD 403

Acute oral toxicity:

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

Acute dermal toxicity:

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

Acute inhalation toxicity:

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:

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

Respiratory or skin sensitisation:

Contains KATHON CG. May produce an allergic reaction.

Germ cell mutagenicity:

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.

STOT-single exposure:

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

STOT-repeated exposure:

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

Aspiration hazard:

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

Additional information:

No data available

11.2. Information on other hazards

Endocrine disrupting properties:

This substance does not have endocrine disrupting properties with respect to humans.

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SECTION 12: Ecological information

12.1. Toxicity

KATHON CG CAS No.: 55965-84-9
LC₅₀: 0.07 mg/L 14 d (fish, <i>Oncorhynchus mykiss</i> (previous name: <i>Salmo gairdneri</i>)) OECD Guideline 204 (Fish, Prolonged Toxicity Test: 14-day Study)
LC₅₀: 0.282 mg/L 4 d (crustaceans, <i>Americamysis bahia</i> (previous name: <i>Mysidopsis bahia</i>)) EPA OPPTS 850.1035 (Mysid Acute Toxicity Test)
EC₅₀: 0.1 mg/L 2 d (<i>Daphnia magna</i> (Big water flea)) OECD 202
EC₅₀: 0.048 mg/L 3 d (<i>Pseudokirchneriella subcapitata</i>) OECD 201
EC₅₀: 0.22 mg/L 4 d (<i>Oncorhynchus mykiss</i> (Rainbow trout)) OECD 203
EC₅₀: 7.92 mg/L (Activated sludge) OECD 209
EC₅₀: 0.0063 mg/L 3 d (Algae/water plant, <i>Skeletonema costatum</i>) OECD Guideline 201 (Alga, Growth Inhibition Test)
EC₅₀: 0.099 mg/L 2 d (crustaceans, <i>Daphnia magna</i>) OECD Guideline 202 (<i>Daphnia</i> sp. Acute Immobilisation Test)
NOEC: 0.004 mg/L 21 d (<i>Daphnia magna</i> (Big water flea)) OECD 211
NOEC: 0.098 mg/L 28 d (<i>Oncorhynchus mykiss</i> (Rainbow trout)) OECD 210
NOEC: 0.0012 mg/L 3 d (<i>Pseudokirchneriella subcapitata</i>) OECD 201
NOEC: 0.00049 mg/L 2 d (Algae/water plant, <i>Skeletonema costatum</i>) OECD Guideline 201 (Alga, Growth Inhibition Test)
NOEC: ≥0.0464 mg/L 35 d (fish, <i>Danio rerio</i> (previous name: <i>Brachydanio rerio</i>)) OECD Guideline 210 (Fish, Early-Life Stage Toxicity Test)
NOEC: 0.004 mg/L 21 d (crustaceans, <i>Daphnia magna</i>) OECD Guideline 211 (<i>Daphnia magna</i> Reproduction Test)
LOEC: 0.144 mg/L 28 d (fish, <i>Oncorhynchus mykiss</i> (previous name: <i>Salmo gairdneri</i>)) OECD Guideline 215 (Fish, Juvenile Growth Test)
LOEC: 0.012 mg/L 21 d (crustaceans, <i>Daphnia magna</i>) OECD Guideline 211 (<i>Daphnia magna</i> Reproduction Test)
(2-methoxymethylethoxy)propanol CAS No.: 34590-94-8 EC No.: 252-104-2
LC₅₀: 10,000 mg/L 4 d (fish, <i>Pimephales promelas</i> (fathead minnow))
LC₅₀: >1,000 mg/L 4 d (fish, <i>Poecilia reticulata</i>) OECD Guideline 203 (Fish, Acute Toxicity Test)
LC₅₀: >1,000 mg/L 4 d (crustaceans, <i>Crangon crangon</i>) EPA OPP 72-3 (Estuarine/Marine Fish, Mollusk, or Shrimp Acute Toxicity Test)
EC₅₀: 1,919 mg/L 2 d (<i>Daphnia magna</i> (Big water flea))
EC₅₀: >969 mg/L 3 d (Algae/water plant, <i>Raphidocelis subcapitata</i> (previous names: <i>Pseudokirchneriella subcapitata</i> , <i>Selenastrum capricornutum</i>)) OECD Guideline 201 (Alga, Growth Inhibition Test)
EC₅₀: 1,930 mg/L 2 d (crustaceans, other aquatic crustacea:) other: ISO TC147/SC5/WG2 "Water Quality, Determination of Acute Lethal Toxicity to Marine Copepods (Copepoda, Crustacea)"
NOEC: 969 mg/L 3 d (Algae/water plant, <i>Raphidocelis subcapitata</i> (previous names: <i>Pseudokirchneriella subcapitata</i> , <i>Selenastrum capricornutum</i>)) OECD Guideline 201 (Alga, Growth Inhibition Test)
NOEC: 1,930 mg/L 4 d (fish, <i>Cyprinodon variegatus</i>) OECD Guideline 203 (Fish, Acute Toxicity Test)
NOEC: 1,000 mg/L 2 d (crustaceans, other aquatic crustacea:) other: ISO TC147/SC5/WG2 "Water Quality, Determination of Acute Lethal Toxicity to Marine Copepods (Copepoda, Crustacea)"
LOEC: 5,000 mg/L 3 d (Algae/water plant, <i>Skeletonema costatum</i>) ISO 10253 (Water quality - Marine Algal Growth Inhibition Test with <i>Skeletonema costatum</i> and <i>Phaeodactylum tricornutum</i>)
LOEC: 2,200 mg/L 2 d (crustaceans, other aquatic crustacea:) other: ISO TC147/SC5/WG2 "Water Quality, Determination of Acute Lethal Toxicity to Marine Copepods (Copepoda, Crustacea)"

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triethoxyoctylsilane CAS No.: 2943-75-1 EC No.: 220-941-2
LC₅₀: >0.055 mg/L 4 d (fish, <i>Oncorhynchus mykiss</i> (previous name: <i>Salmo gairdneri</i>)) OECD Guideline 203 (Fish, Acute Toxicity Test)
EC₅₀: >0.13 mg/L 3 d (Algae/water plant, <i>Raphidocelis subcapitata</i> (previous names: <i>Pseudokirchneriella subcapitata</i> , <i>Selenastrum capricornutum</i>)) OECD Guideline 201 (Alga, Growth Inhibition Test)
EC₅₀: >0.049 mg/L 2 d (crustaceans, <i>Daphnia magna</i>) OECD Guideline 202 (<i>Daphnia</i> sp. Acute Immobilisation Test)
NOEC: ≥0.13 mg/L 3 d (Algae/water plant, <i>Raphidocelis subcapitata</i> (previous names: <i>Pseudokirchneriella subcapitata</i> , <i>Selenastrum capricornutum</i>)) OECD Guideline 201 (Alga, Growth Inhibition Test)
NOEC: 0.036 mg/L 28 d (fish, <i>Pimephales promelas</i>) OECD Guideline 210 (Fish, Early-Life Stage Toxicity Test)
NOEC: ≥0.049 mg/L 2 d (crustaceans, <i>Daphnia magna</i>) OECD Guideline 202 (<i>Daphnia</i> sp. Acute Immobilisation Test)
LOEC: >0.036 mg/L 28 d (fish, <i>Pimephales promelas</i>) OECD Guideline 210 (Fish, Early-Life Stage Toxicity Test)
LOEC: 0.376 mg/L 21 d (crustaceans, <i>Daphnia magna</i>) OECD Guideline 211 (<i>Daphnia magna</i> Reproduction Test)

12.2. Persistence and degradability

KATHON CG CAS No.: 55965-84-9
Biodegradation: Yes, rapidly
triethoxyoctylsilane CAS No.: 2943-75-1 EC No.: 220-941-2
Biodegradation: Yes, slowly

12.3. Bioaccumulative potential

KATHON CG CAS No.: 55965-84-9
Log K_{ow}: 0.75
Bioconcentration factor (BCF): 3.6
(2-methoxymethylethoxy)propanol CAS No.: 34590-94-8 EC No.: 252-104-2
Log K_{ow}: 0.001
triethoxyoctylsilane CAS No.: 2943-75-1 EC No.: 220-941-2
Log K_{ow}: 6.41
Bioconcentration factor (BCF): 1,980 Species: <i>Cyprinus carpio</i>

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

KATHON CG CAS No.: 55965-84-9
Results of PBT and vPvB assessment: —
(2-methoxymethylethoxy)propanol CAS No.: 34590-94-8 EC No.: 252-104-2
Results of PBT and vPvB assessment: —
triethoxyoctylsilane CAS No.: 2943-75-1 EC No.: 220-941-2
Results of PBT and vPvB assessment: This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

The substance in the mixture does not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Endocrine disrupting properties

The mixture does not contain substances ≥0.1% of substances that have endocrine disrupting properties according to Regulation (EC) No. 1907/2006, Article 59(1) or Regulation (EU) 2017/2100 or Regulation (EU) 2018/605.

12.7. Other adverse effects

No data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.

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according to Regulation (EC) No. 1907/2006 (REACH)

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13.1.1. Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV

Waste code product

08 02 99	Wastes not otherwise specified
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Waste code packaging

15 01 02	Plastic packaging
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Waste treatment options

Appropriate disposal / Product:

Dispose of waste according to applicable legislation. Consult the appropriate local waste disposal expert about waste disposal.

Appropriate disposal / Package:

Completely emptied packages can be recycled.

SECTION 14: Transport information

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1. UN number or ID number			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
14.2. UN proper shipping name			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
14.3. Transport hazard class(es)			
not relevant	not relevant	not relevant	not relevant
14.4. Packing group			
not relevant	not relevant	not relevant	not relevant
14.5. Environmental hazards			
not relevant	not relevant	not relevant	not relevant
14.6. Special precautions for user			
not relevant	not relevant	not relevant	not relevant

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

15.1.1. EU legislation

Synthetic polymer microparticles (as per entry 78 in Annex XVII of Regulation (EC) No. 1907/2006)

No synthetic microparticles are present.

Other regulations (EU):

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-Directive]: This product is not assigned to a hazard category.

2008/98/EC, 2001/118/EC 1999/13/EC 2004/42/EC (EC) No. 1907/2006 (EU) 2015/830 75/324/EEC 2008/47/EC (EC) No. 1272/2008 2008/68/EC (EC) No. 648/2004

Information on Directive 1999/13 / EC on the limitation of emissions of volatile organic compounds (VOC-RL): VOC (in g / L): 27 g/L

VOC EU limit (2004/42 / EC) (Cat IIA /i): 140 g/l, VOC value:27 g/L

This product meets the requirements of Regulation (EC) No. 1935/2004 on the limitation of VOC content.

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15.1.2. National regulations

[DE] National regulations

Restrictions of occupation

Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).

Störfallverordnung (12. BImSchV)

for substances contained in the product:

This product is not assigned to a hazard category.

Water hazard class

WGK:

1 - slightly hazardous to water

Berufsgenossenschaftliche Vorschriften (DGUV-Vorschriften)

Berufsgenossenschaftliche Informationen (DGUV-Informationen): BGI 595, BGI 564

15.2. Chemical Safety Assessment

No data available

SECTION 16: Other information

16.1. Indication of changes

No data available

16.2. Abbreviations and acronyms

www.euphrac.eu

16.3. Key literature references and sources for data

Substance name	Type	source of supply
KATHON CG CAS No.: 55965-84-9	LD ₅₀ oral; LD ₅₀ dermal; LC ₅₀ Acute inhalation toxicity (dust/ mist); LC ₅₀ ; EC ₅₀ ; NOEC; LOEC	Source: European Chemicals Agency, http://echa.europa.eu/
(2-methoxymethylethoxy)propanol CAS No.: 34590-94-8 EC No.: 252-104-2	LC ₅₀ ; EC ₅₀ ; NOEC; LOEC	Source: European Chemicals Agency, http://echa.europa.eu/
triethoxyoctylsilane CAS No.: 2943-75-1 EC No.: 220-941-2	LC ₅₀ ; EC ₅₀ ; NOEC; LOEC	Source: European Chemicals Agency, http://echa.europa.eu/

16.4. Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

16.5. List of relevant hazard statements and/or precautionary statements from sections 2 to 15

Hazard statements	
H301	Toxic if swallowed.
H310	Fatal in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
Supplemental hazard information	
EUH071	Corrosive to the respiratory tract.

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16.6. Training advice

No data available

16.7. Additional information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.