

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



BYK-C 8003

Version 7.0
SDB_CH

Revision Date: 17.03.2023

Date of last issue: 06.05.2022
Print Date 16.05.2025

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

1.1 Product identifier

Trade name : BYK-C 8003
Product code : 000000000000111363

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

Use of the Sub-stance/Mixture : Additive to Improve Mechanical Properties

1.3 Details of the supplier of the safety data sheet

Company : BYK-Chemie GmbH
Abelstrasse 45
46483 Wesel
Telephone : +49 281 670-0
Telefax : +49 281 65735

Information : Regulatory Affairs
Telephone : +49 281 670-23532
Telefax : +49 281 670-23533
E-mail address : GHS.BYK@altana.com

1.4 Emergency telephone number

+44 1235 239670

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

| | |
|--|--|
| Flammable liquids, Category 3 | H226: Flammable liquid and vapour. |
| Acute toxicity, Category 4 | H332: Harmful if inhaled. |
| Eye irritation, Category 2 | H319: Causes serious eye irritation. |
| Skin sensitisation, Category 1 | H317: May cause an allergic skin reaction. |
| Long-term (chronic) aquatic hazard, Category 2 | H411: Toxic to aquatic life with long lasting effects. |

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :   

Signal word : Warning

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



BYK-C 8003

Version 7.0
SDB_CH

Revision Date: 17.03.2023

Date of last issue: 06.05.2022
Print Date 16.05.2025

Hazard statements : H226 Flammable liquid and vapour.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements : **Prevention:**
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261 Avoid breathing mist or vapours.
P273 Avoid release to the environment.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection/ hearing protection.

Response:

P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.
P391 Collect spillage.

Hazardous components which must be listed on the label:

- 2768-02-7 trimethoxyvinylsilane

2.3 Other hazards

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.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical nature : Mixture of surface active substances

Components

| Chemical name | CAS-No. EC-No. Index-No. Registration number | Classification | Concentration (% w/w) |
|--|---|--|--------------------------|
| trimethoxyvinylsilane | 2768-02-7 220-449-8 01-2119513215-52 | Flam. Liq. 3; H226 Acute Tox. 4; H332 Skin Sens. 1B; H317 | >= 50 - <= 100 |
| Poly(oxy-1,2-ethanediyl), a-hydroxy-, mono-C13-15-alkyl ethers, succinates | 162627-31-8 | Eye Irrit. 2; H319 Aquatic Acute 1; H400 Aquatic Chronic 1; | >= 12,5 - < 20 |

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



BYK-C 8003

Version 7.0
SDB_CH

Revision Date: 17.03.2023

Date of last issue: 06.05.2022
Print Date 16.05.2025

| | | | |
|---|---|--|---------------------|
| | | H410 M-Factor (Acute aquatic toxicity): 1 M-Factor (Chronic aquatic toxicity): 1 | |
| 2-methoxy-1-methylethyl acetate | 108-65-6 203-603-9 01-2119475791-29 | Flam. Liq. 3; H226 STOT SE 3; H336 | $\geq 1 - < 3$ |
| 1-Propanamine, 3-(triethoxysilyl)-, polymer with α -(1-oxo-2-propen-1-yl)- ω -[(1-oxo-2-propen-1-yl)oxy]poly(oxy-1,2-ethanediyl) compds. with polyethylene glycol mono-C13-15-alkyl ethers succinates | | Eye Irrit. 2; H319 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 | $\geq 0,5 - < 1$ |
| methanol | 67-56-1 200-659-6 01-2119433307-44 | Flam. Liq. 2; H225 Acute Tox. 3; H301 Acute Tox. 3; H331 Acute Tox. 3; H311 STOT SE 1; H370 specific concentration limit STOT SE 1; H370 $\geq 10\%$ STOT SE 2; H371 3 - < 10 % | $\geq 0,1 - < 0,25$ |
| tetramethyl orthosilicate | 681-84-5 211-656-4 | Flam. Liq. 3; H226 Acute Tox. 1; H330 Skin Irrit. 2; H315 Eye Dam. 1; H318 STOT SE 3; H335 (Respiratory system) | $\geq 0,1 - < 0,25$ |

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

- General advice : Move out of dangerous area.
Show this safety data sheet to the doctor in attendance.
Do not leave the victim unattended.
- If inhaled : Consult a physician after significant exposure.
If unconscious, place in recovery position and seek medical advice.
- In case of skin contact : If on skin, rinse well with water.
If on clothes, remove clothes.
- In case of eye contact : Immediately flush eye(s) with plenty of water.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



BYK-C 8003

Version 7.0
SDB_CH

Revision Date: 17.03.2023

Date of last issue: 06.05.2022
Print Date 16.05.2025

Remove contact lenses.
Protect unharmed eye.
Keep eye wide open while rinsing.
If eye irritation persists, consult a specialist.

If swallowed : Keep respiratory tract clear.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.
If symptoms persist, call a physician.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms : No information available.

Risks : No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment : No information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Alcohol-resistant foam
Carbon dioxide (CO₂)
Dry chemical

Unsuitable extinguishing media : High volume water jet

5.2 Special hazards arising from the substance or mixture

Specific hazards during fire-fighting : Do not allow run-off from fire fighting to enter drains or water courses.

Hazardous combustion products : Carbon oxides
Nitrogen oxides (NO_x)

5.3 Advice for firefighters

Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
For safety reasons in case of fire, cans should be stored separately in closed containments.
Use a water spray to cool fully closed containers.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



BYK-C 8003

Version 7.0
SDB_CH

Revision Date: 17.03.2023

Date of last issue: 06.05.2022
Print Date 16.05.2025

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment.
Ensure adequate ventilation.
Remove all sources of ignition.
Evacuate personnel to safe areas.
Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

6.2 Environmental precautions

Environmental precautions : Prevent product from entering drains.
Prevent further leakage or spillage if safe to do so.
If the product contaminates rivers and lakes or drains inform respective authorities.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

6.4 Reference to other sections

For disposal considerations see section 13., For personal protection see section 8.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : Avoid formation of aerosol.
Do not breathe vapours/dust.
Avoid contact with skin and eyes.
For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the application area.
Take precautionary measures against static discharges.
Provide sufficient air exchange and/or exhaust in work rooms.
Open drum carefully as content may be under pressure.
Dispose of rinse water in accordance with local and national regulations.
Persons susceptible to skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Advice on protection against fire and explosion : Do not spray on a naked flame or any incandescent material.
Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours). Keep away from open flames, hot surfaces and sources of ignition.

Hygiene measures : When using do not eat or drink. When using do not smoke.
Wash hands before breaks and at the end of workday.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



BYK-C 8003

Version 7.0
SDB_CH

Revision Date: 17.03.2023

Date of last issue: 06.05.2022
Print Date 16.05.2025

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : No smoking. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Electrical installations / working materials must comply with the technological safety standards.

Further information on storage stability : No decomposition if stored and applied as directed.

7.3 Specific end use(s)

Specific use(s) : No data available

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

| Components | CAS-No. | Value type (Form of exposure) | Control parameters | Basis |
|---------------------------------|---|-------------------------------|----------------------------------|------------|
| 2-methoxy-1-methylethyl acetate | 108-65-6 | TWA | 50 ppm 275 mg/m ³ | 2000/39/EC |
| | Further information: Identifies the possibility of significant uptake through the skin, Indicative | | | |
| | | STEL | 100 ppm 550 mg/m ³ | 2000/39/EC |
| | Further information: Identifies the possibility of significant uptake through the skin, Indicative | | | |
| | | TWA | 50 ppm 275 mg/m ³ | CH SUVA |
| | Further information: Harm to the unborn child is not to be expected when the OEL-value is respected | | | |
| | | STEL | 50 ppm 275 mg/m ³ | CH SUVA |
| | Further information: Harm to the unborn child is not to be expected when the OEL-value is respected | | | |
| methanol | 67-56-1 | | 200 ppm 260 mg/m ³ | 2006/15/EC |
| | Further information: Indicative, Identifies the possibility of significant uptake through the skin | | | |
| | | TWA | 200 ppm 260 mg/m ³ | CH SUVA |
| | Further information: Toxic by skin resorption possible; Substances, which are easily absorbed through the skin, can give by additional skin resorption a substantial higher risk compared to only inhalation by the airways., National Institute for Occupational Safety and Health, Institut National de Recherche et de Sécurité pour la prévention des accidents du travail et des maladies professionnelles, Harm to the unborn child is not to be expected when the OEL-value is respected | | | |
| | | STEL | 400 ppm 520 mg/m ³ | CH SUVA |
| | Further information: Toxic by skin resorption possible; Substances, which are | | | |

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



BYK-C 8003

Version 7.0
SDB_CH

Revision Date: 17.03.2023

Date of last issue: 06.05.2022
Print Date 16.05.2025

| | | | | |
|----------------------------|---|-----|------------------------------|---------|
| | easily absorbed through the skin, can give by additional skin resorption a substantial higher risk compared to only inhalation by the airways., National Institute for Occupational Safety and Health, Institut National de Recherche et de Sécurité pour la prévention des accidents du travail et des maladies professionnelles, Harm to the unborn child is not to be expected when the OEL-value is respected | | | |
| tetramethyl ortho-silicate | 681-84-5 | TWA | 1 ppm 6 mg/m ³ | CH SUVA |

Biological occupational exposure limits

| Substance name | CAS-No. | Control parameters | Sampling time | Basis |
|----------------|---------|--|---|--------|
| methanol | 67-56-1 | Methanol: 30 mg/l (Urine) | Immediately after exposure or after working hours, In case of long-term exposure: after more than one shift | CH BAT |
| | | Methanol: 936 micromol per litre (Urine) | Immediately after exposure or after working hours, In case of long-term exposure: after more than one shift | CH BAT |

Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

| Substance name | End Use | Exposure routes | Potential health effects | Value |
|---------------------------------|-----------|-----------------|----------------------------|------------------------|
| trimethoxyvinylsilane | Workers | Inhalation | Systemic effects | 4,9 mg/m ³ |
| | Workers | Dermal | Systemic effects | 0,69 mg/kg |
| | Consumers | Inhalation | Long-term systemic effects | 1,04 mg/m ³ |
| | Consumers | Inhalation | Acute systemic effects | 93,4 mg/m ³ |
| | Consumers | Oral | Long-term systemic effects | 0,3 mg/kg |
| | Consumers | Dermal | Acute systemic effects | 26,9 mg/kg |
| 2-methoxy-1-methylethyl acetate | Consumers | Dermal | Long-term systemic effects | 0,3 mg/kg |
| | Workers | Skin contact | Long-term systemic effects | 796 mg/kg |
| | Workers | Inhalation | Long-term systemic effects | 275 mg/m ³ |
| | Consumers | Skin contact | Long-term systemic effects | 320 mg/kg |
| | Consumers | Inhalation | Long-term systemic effects | 33 mg/m ³ |
| | Consumers | Ingestion | Long-term systemic effects | 36 mg/kg |
| | Workers | Inhalation | Acute local effects | 550 mg/m ³ |
| | Consumers | Inhalation | Acute local effects | 33 mg/m ³ |

Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

| Substance name | Environmental Compartment | Value |
|-----------------------|---------------------------|-----------|
| trimethoxyvinylsilane | Fresh water | 0,34 mg/l |

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



BYK-C 8003

Version 7.0
SDB_CH

Revision Date: 17.03.2023

Date of last issue: 06.05.2022
Print Date 16.05.2025

| | | |
|---------------------------------|------------------------|-------------|
| | Marine water | 0,034 mg/l |
| | Intermittent releases | 3,4 mg/l |
| | Fresh water sediment | 0,27 mg/kg |
| | Soil | 0,046 mg/kg |
| | Sewage treatment plant | 110 mg/l |
| 2-methoxy-1-methylethyl acetate | Fresh water | 0,635 mg/l |
| | Marine water | 0,0635 mg/l |
| | Intermittent releases | 6,35 mg/l |
| | Sewage treatment plant | 100 mg/l |
| | Fresh water sediment | 3,29 mg/kg |
| | Marine sediment | 0,329 mg/kg |
| | Soil | 0,29 mg/kg |

8.2 Exposure controls

Personal protective equipment

Eye protection : Eye wash bottle with pure water
Tightly fitting safety goggles
Wear face-shield and protective suit for abnormal processing problems.

Hand protection

Material : butyl-rubber
Break through time : > 480 min

Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Skin and body protection : Impervious clothing
Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Respiratory protection : In the case of vapour formation use a respirator with an approved filter.

Environmental exposure controls

General advice : Prevent product from entering drains.
Prevent further leakage or spillage if safe to do so.
If the product contaminates rivers and lakes or drains inform respective authorities.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state : liquid
Colour : colourless
Odour : characteristic
Odour Threshold : No data available

Melting point/range : ca. -8 °C
Method: derived

Initial boiling point : ca. 123 °C
Method: derived

Upper explosion limit / Upper flammability limit : No data available

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



BYK-C 8003

Version 7.0
SDB_CH

Revision Date: 17.03.2023

Date of last issue: 06.05.2022
Print Date 16.05.2025

| | | |
|--|---|---|
| Lower explosion limit / Lower flammability limit | : | No data available |
| Flash point | : | 24 °C Method: 48 (Abel-Pensky) |
| Auto-ignition temperature | : | > 200 °C Method: DIN 51 794/ DIN prEN 14 522 |
| Decomposition temperature | : | No data available |
| pH | : | 5 (20 °C) Concentration: 1 % Method: Universal pH-value indicator |
| Viscosity | : | |
| Viscosity, dynamic | : | No data available |
| Solubility(ies) | : | |
| Water solubility | : | immiscible |
| Solubility in other solvents | : | No data available |
| Partition coefficient: n-octanol/water | : | No data available |
| Vapour pressure | : | ca. 88 hPa (50 °C) Method: derived |
| Relative density | : | No data available |
| Density | : | 0,980 g/cm ³ (20 °C, 1.013 hPa) Method: 4 (20°C oscillating U-tube) |
| Relative vapour density | : | No data available |

9.2 Other information

No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

No decomposition if stored and applied as directed.

10.2 Chemical stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

Hazardous reactions : No decomposition if stored and applied as directed.

Vapours may form explosive mixture with air.

10.4 Conditions to avoid

Conditions to avoid : Heat, flames and sparks.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



BYK-C 8003

Version 7.0
SDB_CH

Revision Date: 17.03.2023

Date of last issue: 06.05.2022
Print Date 16.05.2025

10.5 Incompatible materials

Materials to avoid : Strong oxidizing agents

10.6 Hazardous decomposition products

None known.

SECTION 11: Toxicological information

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

Acute toxicity

Harmful if inhaled.

Product:

Acute oral toxicity : Acute toxicity estimate: > 2.000 mg/kg
Method: Calculation method

Acute inhalation toxicity : Acute toxicity estimate: 16,8 mg/l
Exposure time: 4 h
Assessment: The component/mixture is moderately toxic after short term inhalation.

Acute dermal toxicity : Acute toxicity estimate: > 2.000 mg/kg
Method: Calculation method

Components:

trimethoxyvinylsilane:

Acute oral toxicity : LD50 (Rat): 7.120 - 7.236 mg/kg
Method: OECD Test Guideline 401
GLP: No information available.

Poly(oxy-1,2-ethanediyl), a-hydro-w-hydroxy-, mono-C13-15-alkyl ethers, succinates

:

Acute oral toxicity : LD50 (Rat, male and female): > 4.000 mg/kg
Method: OECD Test Guideline 401
GLP: yes

2-methoxy-1-methylethyl acetate:

Acute oral toxicity : LD50 (Rat, female): > 5.000 mg/kg
Method: OECD Test Guideline 401
GLP: yes

Acute inhalation toxicity : Remarks: No data available

Acute dermal toxicity : Remarks: No data available

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



BYK-C 8003

Version 7.0
SDB_CH

Revision Date: 17.03.2023

Date of last issue: 06.05.2022
Print Date 16.05.2025

Skin corrosion/irritation

Product:

Remarks : May cause skin irritation and/or dermatitis.

Components:

trimethoxyvinylsilane:

Species : Rabbit
Result : No skin irritation
GLP : no

Poly(oxy-1,2-ethanediyl), a-hydro-w-hydroxy-, mono-C13-15-alkyl ethers, succinates

:

Species : Rabbit
Method : OECD Test Guideline 404
Result : No skin irritation
GLP : yes

2-methoxy-1-methylethyl acetate:

Species : Rabbit
Method : OECD Test Guideline 404
Result : No skin irritation
GLP : yes

Serious eye damage/eye irritation

Product:

Remarks : Causes serious eye irritation.

Components:

trimethoxyvinylsilane:

Species : Rabbit
Method : OECD Test Guideline 405
Result : No eye irritation
GLP : yes

Poly(oxy-1,2-ethanediyl), a-hydro-w-hydroxy-, mono-C13-15-alkyl ethers, succinates

:

Species : Rabbit
Assessment : Irritating to eyes.
Method : OECD Test Guideline 405
Result : Eye irritation
GLP : yes

2-methoxy-1-methylethyl acetate:

Species : Rabbit
Method : OECD Test Guideline 405

BYK-C 8003

Version 7.0
SDB_CH

Revision Date: 17.03.2023

Date of last issue: 06.05.2022
Print Date 16.05.2025

Result : No eye irritation
GLP : yes

Respiratory or skin sensitisation

Product:

Remarks : Causes sensitisation.

Assessment : Harmful if inhaled.

Components:

Poly(oxy-1,2-ethanediyl), a-hydro-w-hydroxy-, mono-C13-15-alkyl ethers, succinates

:
Remarks : No data available

2-methoxy-1-methylethyl acetate:

Species : Guinea pig
Method : OECD Test Guideline 406
Result : Not a skin sensitizer.
GLP : yes

STOT - single exposure

Components:

2-methoxy-1-methylethyl acetate:

Assessment : May cause drowsiness or dizziness.

Repeated dose toxicity

Product:

Remarks : No data available

Components:

Poly(oxy-1,2-ethanediyl), a-hydro-w-hydroxy-, mono-C13-15-alkyl ethers, succinates

:
Remarks : No data available

11.2 Information on other hazards

Endocrine disrupting properties

Product:

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



BYK-C 8003

Version 7.0
SDB_CH

Revision Date: 17.03.2023

Date of last issue: 06.05.2022
Print Date 16.05.2025

Further information

Product:

Remarks : Solvents may degrease the skin.

SECTION 12: Ecological information

12.1 Toxicity

Product:

Toxicity to fish : Remarks: No data available

Toxicity to daphnia and other aquatic invertebrates : Remarks: No data available

Components:

trimethoxyvinylsilane:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 191 mg/l
Exposure time: 96 h
GLP: no

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 168,7 mg/l
Exposure time: 48 h
Method: Regulation (EC) No. 440/2008, Annex, C.2
GLP: yes

Poly(oxy-1,2-ethanediyl), a-hydro-w-hydroxy-, mono-C13-15-alkyl ethers, succinates

:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 3,5 mg/l
Exposure time: 96 h
Test Type: static test
Method: OECD Test Guideline 203
GLP: yes

Toxicity to algae/aquatic plants : ErC50 (Selenastrum capricornutum): > 0,78 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201
GLP: yes

M-Factor (Acute aquatic toxicity) : 1

M-Factor (Chronic aquatic toxicity) : 1

2-methoxy-1-methylethyl acetate:

Toxicity to fish : LC50 (Fish): 100 - 180 mg/l
Exposure time: 96 h
Test Type: static test
Method: OECD Test Guideline 203

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



BYK-C 8003

Version 7.0
SDB_CH

Revision Date: 17.03.2023

Date of last issue: 06.05.2022
Print Date 16.05.2025

GLP: no

Toxicity to algae/aquatic plants : EC50 (Pseudokirchneriella subcapitata (green algae)): > 1.000 mg/l
Exposure time: 96 h
Test Type: static test
Method: OECD Test Guideline 201
GLP: no

12.2 Persistence and degradability

Product:

Biodegradability : Remarks: No data available

Components:

trimethoxyvinylsilane:

Biodegradability : Result: Not readily biodegradable.
Method: OECD Test Guideline 301F
GLP: yes

Poly(oxy-1,2-ethanediyl), a-hydro-w-hydroxy-, mono-C13-15-alkyl ethers, succinates

:

Biodegradability : Remarks: No data available

2-methoxy-1-methylethyl acetate:

Biodegradability : Result: Readily biodegradable.
Method: OECD Test Guideline 301F
GLP: yes

12.3 Bioaccumulative potential

Product:

Bioaccumulation : Remarks: No data available

Components:

Poly(oxy-1,2-ethanediyl), a-hydro-w-hydroxy-, mono-C13-15-alkyl ethers, succinates

:

Bioaccumulation : Remarks: No data available

Partition coefficient: n-octanol/water : Pow: ≥ 4 (25 °C)
log Pow: $\geq 0,6$ (25 °C)
Method: OECD Test Guideline 107
GLP: yes

2-methoxy-1-methylethyl acetate:

Partition coefficient: n-octanol/water : log Pow: 1,2 (20 °C)
pH: 6,8

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



BYK-C 8003

Version 7.0
SDB_CH

Revision Date: 17.03.2023

Date of last issue: 06.05.2022
Print Date 16.05.2025

Method: OECD Test Guideline 117
GLP: yes

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

Product:

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.

12.6 Endocrine disrupting properties

Product:

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

12.7 Other adverse effects

Product:

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
Toxic to aquatic life with long lasting effects.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product : The product should not be allowed to enter drains, water courses or the soil.
Do not contaminate ponds, waterways or ditches with chemical or used container.
Send to a licensed waste management company.

Contaminated packaging : Empty remaining contents.
Dispose of as unused product.
Do not re-use empty containers.
Do not burn, or use a cutting torch on, the empty drum.

SECTION 14: Transport information

14.1 UN number or ID number

ADR : UN 1993
RID : UN 1993

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



BYK-C 8003

Version 7.0
SDB_CH

Revision Date: 17.03.2023

Date of last issue: 06.05.2022
Print Date 16.05.2025

IMDG : UN 1993

IATA : UN 1993

14.2 UN proper shipping name

ADR : FLAMMABLE LIQUID, N.O.S.
(trimethoxyvinylsilane)

RID : FLAMMABLE LIQUID, N.O.S.
(trimethoxyvinylsilane)

IMDG : FLAMMABLE LIQUID, N.O.S.
(trimethoxyvinylsilane)

IATA : Flammable liquid, n.o.s.
(trimethoxyvinylsilane)

14.3 Transport hazard class(es)

ADR : 3

RID : 3

IMDG : 3

IATA : 3

14.4 Packing group

ADR

Packing group : III
Classification Code : F1
Hazard Identification Number : 30
Labels : 3
Tunnel restriction code : D/E

RID

Packing group : III
Classification Code : F1
Hazard Identification Number : 30
Labels : 3

IMDG

Packing group : III
Labels : 3
EmS Code : F-E, S-E
Remarks : IMDG Code segregation group - none

IATA (Cargo)

Packing instruction (cargo aircraft) : 366
Packing group : III
Labels : Flammable Liquids

IATA (Passenger)

Packing instruction (passenger aircraft) : 355
Packing instruction (LQ) : Y344
Packing group : III
Labels : Flammable Liquids

14.5 Environmental hazards

BYK-C 8003

Version 7.0
SDB_CH

Revision Date: 17.03.2023

Date of last issue: 06.05.2022
Print Date 16.05.2025

ADR

Environmentally hazardous : yes

RID

Environmentally hazardous : yes

IMDG

Marine pollutant : yes

14.6 Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

14.7 Maritime transport in bulk according to IMO instruments

Not applicable for product as supplied.

SECTION 15: Regulatory information

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

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59) : This product does not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57).

REACH - List of substances subject to authorisation (Annex XIV) : Not applicable

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances. P5c FLAMMABLE LIQUIDS

E2 ENVIRONMENTAL HAZARDS

Volatile organic compounds : Law on the incentive tax for volatile organic compounds (VOCV)
Volatile organic compounds (VOC) content: 1,75 %
no VOC duties

15.2 Chemical safety assessment

Not applicable

SECTION 16: Other information

Items where relevant changes have been made to the previous version are highlighted in the body of this document by two vertical lines.

Full text of H-Statements

H225 : Highly flammable liquid and vapour.
H226 : Flammable liquid and vapour.
H301 : Toxic if swallowed.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



BYK-C 8003

Version 7.0
SDB_CH

Revision Date: 17.03.2023

Date of last issue: 06.05.2022
Print Date 16.05.2025

| | |
|------|---|
| H311 | : Toxic in contact with skin. |
| 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. |
| H331 | : Toxic if inhaled. |
| H332 | : Harmful if inhaled. |
| H335 | : May cause respiratory irritation. |
| H336 | : May cause drowsiness or dizziness. |
| H370 | : Causes damage to organs. |
| H400 | : Very toxic to aquatic life. |
| H410 | : Very toxic to aquatic life with long lasting effects. |

Full text of other abbreviations

| | |
|-------------------|--|
| Acute Tox. | : Acute toxicity |
| Aquatic Acute | : Short-term (acute) aquatic hazard |
| Aquatic Chronic | : Long-term (chronic) aquatic hazard |
| Eye Dam. | : Serious eye damage |
| Eye Irrit. | : Eye irritation |
| Flam. Liq. | : Flammable liquids |
| Skin Irrit. | : Skin irritation |
| Skin Sens. | : Skin sensitisation |
| STOT SE | : Specific target organ toxicity - single exposure |
| 2000/39/EC | : Europe. Commission Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values |
| 2006/15/EC | : Europe. Indicative occupational exposure limit values |
| CH BAT | : Switzerland. List of BAT-values |
| CH SUVA | : Switzerland. Limit values at the work place |
| 2000/39/EC / TWA | : Limit Value - eight hours |
| 2000/39/EC / STEL | : Short term exposure limit |
| 2006/15/EC / | : Limit Value - eight hours |
| CH SUVA / TWA | : Time Weighted Average |
| CH SUVA / STEL | : Short Term Exposure Limit |

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Ef-

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



BYK-C 8003

Version 7.0
SDB_CH

Revision Date: 17.03.2023

Date of last issue: 06.05.2022
Print Date 16.05.2025

fect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

Further information

Classification of the mixture:

| | |
|-------------------|------|
| Flam. Liq. 3 | H226 |
| Acute Tox. 4 | H332 |
| Eye Irrit. 2 | H319 |
| Skin Sens. 1 | H317 |
| Aquatic Chronic 2 | H411 |

Classification procedure:

| |
|-------------------------------------|
| Based on product data or assessment |
| Based on product data or assessment |
| Calculation method |
| Calculation method |
| Calculation method |

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

CH / EN