

SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:
Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008



Revision date: 22-Jul-2021

Revision Number: 1

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

1.1. Product identifier

Product Name: Conti Tolit 2010
Article number: 022100360514
UFI: nicht erforderlich

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

Product categories [PC]: PC9 - Coatings and paints, fillers, putties, thinners
Sector of uses [SU]: SU19 - Building and construction work

1.3. Details of the supplier of the safety data sheet

Supplier: conti coatings GmbH & Co. KG
Feldstrasse 55
D - 46149 Oberhausen
Telefon: +49 208/ 9948-0
Telefax: +49 208/ 650625
www.conticoatings.com

E-mail address sds.ob@conticoatings.com

1.4. Emergency telephone number

Emergency Telephone: +49 177 / 214 4737 (24 h)

| | |
|--|--|
| Emergency Telephone - §45 - (EC)1272/2008 | |
| Europe | 112 |
| Austria | +43 1 406 43 43 (Giftinformationszentrale) |

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

| | |
|---------------------------------|---------------------|
| Chronic aquatic toxicity | Category 3 - (H412) |
|---------------------------------|---------------------|

2.2. Label elements

Hazard statements:

H412 - Harmful to aquatic life with long lasting effects.

EUH211 - Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

Precautionary Statements - EU (§28, 1272/2008):

P273 - Avoid release to the environment

P501 - Dispose of contents/ container to an approved waste disposal plant

2.3. Other hazards

Harmful to aquatic life.

SAFETY DATA SHEET

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Revision date: 22-Jul-2021

Conti Tolit 2010 - 022100360514

Revision Number: 1

SECTION 3: Composition/information on ingredients

hydrocarbons, additives, film-forming substances

3.1 Substances

Not applicable

3.2 Mixtures

| Chemical name | CAS No | EC No | REACH registration number | Classification according to Regulation (EC) No. 1272/2008 [CLP] | Weight-% |
|--|------------|-----------|---------------------------|---|--------------|
| Hydrocarbons, C11 - C14, i-alkanes, cyclics, < 2% aromates | - | 927-285-2 | 01-2119480162-45 | Asp. Tox. 1 (H304) (EUH066) | 10 - < 25 |
| Alkanes, C9-12-iso- | 90622-57-4 | 292-459-0 | - | Flam. Liq. 3 (H226) Asp. Tox. 1 (H304) Aquatic Chronic 2 (H411) (EUH066) | 3 - < 5 |
| Kieselguhr, soda ash flux-calcined | 68855-54-9 | 272-489-0 | 01-2119488518-22 | STOT RE 2 (H373) | 3 - < 5 |
| Hydrocarbons, C11-C12, iso-alkanes, <2% aromatics | - | 918-167-1 | 01-2119472146-39 | Flam. Liq. 3 (H226) Asp. Tox. 1 (H304) Aquatic Chronic 4 (H413) (EUH066) | 1 - < 3 |
| Silica, cristobalite | 14464-46-1 | 238-455-4 | - | STOT RE 1 (H372) | 0.25 - < 0.5 |

Acute Toxicity Estimate:

If LD50/LC50 data is not available or does not correspond to the classification category, then the appropriate conversion value from CLP Annex I, Table 3.1.2, is used to calculate the acute toxicity estimate (ATEmix) for classifying a mixture based on its components

| Chemical name | Oral LD50 | Dermal LD50 | Inhalation LC50 - 4 hour - dust/mist - mg/L | Inhalation LC50 - 4 hour - vapor - mg/L | Inhalation LC50 - 4 hour - gas - ppm |
|---|-----------|-------------------|---|---|--------------------------------------|
| Hydrocarbons, C11 - C14, i-alkanes, cyclics, < 2% aromates - | 5001 | 2001 | No data available | No data available | No data available |
| Alkanes, C9-12-iso- 90622-57-4 | 10010 | 3203.2 | 12202 | No data available | No data available |
| Kieselguhr, soda ash flux-calcined 68855-54-9 | 2002 | No data available | 3 | No data available | No data available |
| Hydrocarbons, C11-C12, iso-alkanes, <2% aromatics - | 5005 | 5005 | No data available | No data available | No data available |

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

SECTION 4: First aid measures

SAFETY DATA SHEET

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Revision date: 22-Jul-2021

Conti Tolit 2010 - 022100360514

Revision Number: 1

4.1. Description of first aid measures

| | |
|---------------|--|
| Inhalation: | Remove to fresh air. |
| Eye contact: | Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician. |
| Skin contact: | Wash skin with soap and water. In the case of skin irritation or allergic reactions see a physician. |
| Ingestion: | Rinse mouth. |

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

Symptoms: No information available.

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

Note to physicians: Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable Extinguishing Media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Large Fire: CAUTION: Use of water spray when fighting fire may be inefficient.

Unsuitable extinguishing media: Do not scatter spilled material with high pressure water streams.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical: No information available.

5.3. Advice for firefighters

Special protective equipment and precautions for fire-fighters: Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Ensure adequate ventilation.

For emergency responders: Use personal protection recommended in Section 8.

6.2. Environmental precautions

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Revision date: 22-Jul-2021

Conti Tolit 2010 - 022100360514

Revision Number: 1

Environmental precautions: See Section 12 for additional Ecological Information.

6.3. Methods and material for containment and cleaning up

Methods for containment: Prevent further leakage or spillage if safe to do so.

Methods for cleaning up: Take up mechanically, placing in appropriate containers for disposal.

Prevention of secondary hazards: Clean contaminated objects and areas thoroughly observing environmental regulations.

6.4. Reference to other sections

Reference to other sections: See section 8 for more information. See section 13 for more information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling



Advice on safe handling: Ensure adequate ventilation.

General hygiene considerations: Handle in accordance with good industrial hygiene and safety practice.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions: Keep container tightly closed in a dry and well-ventilated place.

7.3. Specific end use(s)

Other information: No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure Limits:

| Chemical name | European Union | Germany | Netherlands | Spain | United Kingdom | Hungary |
|--|----------------------------|----------------------------|------------------------------|-----------------------------|----------------------------|-----------------------------|
| Kieselguhr, soda ash flux-calcined 68855-54-9 | | TWA: 0.3 mg/m ³ | | | | |
| Silica, cristobalite 14464-46-1 | TWA: 0.1 mg/m ³ | | TWA: 0.075 mg/m ³ | TWA: 0.05 mg/m ³ | TWA: 0.1 mg/m ³ | TWA: 0.15 mg/m ³ |

| Chemical name | France | Italy | Portugal | Finland | Denmark | Czech Republic |
|------------------------------------|-----------------------------|-------|------------------------------|-----------------------------|--|----------------------------|
| Silica, cristobalite 14464-46-1 | TWA: 0.05 mg/m ³ | | TWA: 0.025 mg/m ³ | TWA: 0.05 mg/m ³ | TWA: 0.15 mg/m ³ TWA: 0.05 mg/m ³ | TWA: 0.1 mg/m ³ |

SAFETY DATA SHEET

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Revision date: 22-Jul-2021

Conti Tolit 2010 - 022100360514

Revision Number: 1

| Chemical name | Austria | Switzerland | Poland | Norway | Ireland | Russia |
|--|-----------------------------|-----------------------------|--|--|---|---|
| Kieselguhr, soda ash flux-calcined 68855-54-9 | TWA: 0.3 mg/m ³ | TWA: 0.3 mg/m ³ | TWA: 2 mg/m ³ TWA: 1 mg/m ³ | | TWA: 1.2 mg/m ³ STEL: 3.6 mg/m ³ | |
| Silica, cristobalite 14464-46-1 | TWA: 0.15 mg/m ³ | TWA: 0.15 mg/m ³ | TWA: 0.1 mg/m ³ | TWA: 0.15 mg/m ³ TWA: 0.05 mg/m ³ STEL: 0.45 mg/m ³ STEL: 0.15 mg/m ³ | TWA: 0.1 mg/m ³ STEL: 0.3 mg/m ³ | TWA: 1 mg/m ³ STEL: 3 mg/m ³ |

Biological occupational exposure limits:

This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies

Derived No Effect Level (DNEL):

component information:

Worker - inhalative:

| Chemical name | long term, systemic | short term, systemic | long term, local | short term, local |
|------------------------------------|------------------------|----------------------|------------------|-------------------|
| Kieselguhr, soda ash flux-calcined | 0.33 mg/m ³ | | | |

Consumer - inhalative:

| Chemical name | long term, systemic | short term, systemic | long term, local | short term, local |
|------------------------------------|------------------------|----------------------|------------------|-------------------|
| Kieselguhr, soda ash flux-calcined | 0.08 mg/m ³ | | | |

consumer - oral:

| Chemical name | long term, systemic | short term, systemic | long term, local | short term, local |
|------------------------------------|---------------------|----------------------|------------------|-------------------|
| Kieselguhr, soda ash flux-calcined | 3.5 mg/kg | | | |

Predicted No Effect Concentration (PNEC): No information available

8.2. Exposure controls

Engineering controls:

None under normal use conditions.

Personal protective equipment:



Eye/face protection:

No special protective equipment required.

| PPE - Glove material | Glove thickness | Break through time |
|----------------------|-----------------|--------------------|
| NBR (Nitrile rubber) | 0.4 mm | >=480 min. |

Skin and body protection:

No special protective equipment required.

SAFETY DATA SHEET

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Revision date: 22-Jul-2021

Conti Tolit 2010 - 022100360514

Revision Number: 1

Respiratory protection: No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

Recommended Filter Type: Filtering device (full mask or mouthpiec AP-2)

Environmental exposure controls: No information available.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | | | | | | |
|-------------------------------|----------------|-------|--------------------|-------------------|---------------|-----------------------------------|
| Appearance | Liquid | | | | | |
| Color | white | | | | | |
| Odor | characteristic | | | | | |
| Melting point / melting range | | | | <i>Conditions</i> | <i>Method</i> | <i>Remarks</i> Not established |
| Boiling point / boiling range | > | 100 | °C | | | |
| Flammability | | | | | | Not established |
| Decomposition temperature | | | | | | not relevant |
| Flash point | > | 62 | °C | | | |
| Autoignition temperature | | | | | | None known |
| Lower explosive limit | | | | | | not relevant |
| Upper explosion limit | | | | | | not relevant |
| Vapor pressure | > | 1100 | hPa | 50 °C | | |
| Density | ~ | 1.522 | g/cm ³ | 20 °C | | |
| Water solubility | | | | | | slightly soluble |
| pH | | | | | | Not applicable |
| pH (as aqueous solution) | | | | | | Not applicable |
| Partition coefficient | | | | | | Not established |
| Kinematic viscosity | > | 21 | mm ² /s | 40 °C | | |
| Odor threshold | | | | | | Not established |
| Relative density | | | | | | Not established |
| Evaporation rate | | | | | | Not established |
| Relative vapor density | | | | | | no data available |

SAFETY DATA SHEET

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Revision date: 22-Jul-2021

Conti Tolit 2010 - 022100360514

Revision Number: 1

Particle Size no data available
Particle Size Distribution no data available

9.2. Other information

Bulk density: no data available
Softening point No information available
Molecular weight No information available

9.2.1. Information with regard to physical hazard classes:

Explosive properties Not an explosive
Oxidizing properties Not oxidising.

9.2.2. Other safety characteristics: No information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity: No information available.

10.2. Chemical stability

Stability: Stable under normal conditions.

Explosion data:

Sensitivity to mechanical impact: None.
Sensitivity to static discharge: None.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions: None under normal processing.

10.4. Conditions to avoid

Conditions to avoid: None known based on information supplied.

10.5. Incompatible materials

Incompatible materials: None known based on information supplied.

10.6. Hazardous decomposition products

Hazardous decomposition products: None known based on information supplied.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Information on likely routes of exposure:

Product Information: The product has not been tested

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Revision date: 22-Jul-2021

Conti Tolit 2010 - 022100360514

Revision Number: 1

Inhalation: Specific test data for the substance or mixture is not available.
Eye contact: Specific test data for the substance or mixture is not available.
Skin contact: Specific test data for the substance or mixture is not available.
Ingestion: Specific test data for the substance or mixture is not available.

Symptoms related to the physical, chemical and toxicological characteristics:

Symptoms: No information available.

Numerical measures of toxicity:

Acute toxicity: The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral): 47,729.60 mg/kg
ATEmix (dermal): 64,955.20 mg/kg
ATEmix (inhalation-dust/mist): 71.50 mg/l

Component Information:

| Chemical name | Parameter | Species | effektive Dosis | Method |
|---|-----------|---------|-----------------|----------|
| Hydrocarbons, C11 - C14, i-alkanes, cyclics, < 2% aromates - | Oral LD50 | Rat | > 5000 mg/kg | |
| Alkanes, C9-12-iso- 90622-57-4 | Oral LD50 | Rat | > 2000 mg/kg | |
| Kieselguhr, soda ash flux-calcined 68855-54-9 | Oral LD50 | Rat | > 2000 mg/kg | OECD 401 |
| Hydrocarbons, C11-C12, iso-alkanes, <2% aromatics - | Oral LD50 | Rat | > 5000 mg/kg | |

| Chemical name | Parameters | Species | Effective dose | Method |
|---|-------------|---------|----------------|--------|
| Hydrocarbons, C11 - C14, i-alkanes, cyclics, < 2% aromates - | Dermal LD50 | Rat | > 2000 mg/kg | |
| Alkanes, C9-12-iso- 90622-57-4 | Dermal LD50 | Rabbit | > 3200 mg/kg | |
| Hydrocarbons, C11-C12, iso-alkanes, <2% aromatics - | Dermal LD50 | Rabbit | > 5000 mg/kg | |

| Chemical name | Parameters | Species | Effective dose | Exposure time | Method |
|---|-----------------|---------|---------------------------|---------------|----------|
| Hydrocarbons, C11 - C14, i-alkanes, cyclics, < 2% aromates - | Inhalation LC50 | Rat | > 4951 mg/m ³ | 4 h | |
| Alkanes, C9-12-iso- 90622-57-4 | Inhalation LC50 | Rat | > 12200 mg/m ³ | 4 h | |
| Kieselguhr, soda ash flux-calcined 68855-54-9 | Inhalation LC50 | Rat | > 2.6 mg/L | | OECD 403 |

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Revision date: 22-Jul-2021

Conti Tolit 2010 - 022100360514

Revision Number: 1

Delayed and immediate effects as well as chronic effects from short and long-term exposure:

| | |
|------------------------------------|---------------------------|
| Skin corrosion/irritation: | No information available. |
| Serious eye damage/eye irritation: | No information available. |
| Respiratory or skin sensitization: | No information available. |
| Germ cell mutagenicity: | No information available. |
| Carcinogenicity: | No information available. |
| Reproductive toxicity: | No information available. |
| STOT - single exposure: | No information available. |
| STOT - repeated exposure: | No information available. |

| Chemical name | Exposure route | Target Organs |
|--|----------------|---------------|
| Kieselguhr, soda ash flux-calcined 68855-54-9 | Inhalation | lung |
| Silica, cristobalite 14464-46-1 | Inhalation | lung |

Aspiration hazard: No information available.

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

No information available.

11.2.2. Other information

No information available.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity: Harmful to aquatic life with long lasting effects.

fish toxicity:

| Chemical name | Parameter | Species | Effective dose | Exposure time | Method |
|---|-----------|---------------------|----------------|---------------|----------|
| Hydrocarbons, C11 - C14, i-alkanes, cyclics, < 2% aromates - | LL50 | Oncorhynchus mykiss | > 1000 mg/L | 96 h | OECD 203 |
| Alkanes, C9-12-iso- 90622-57-4 | LC50 | Pimephales promelas | 2600 mg/L | 96 h | |

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Revision date: 22-Jul-2021

Conti Tolit 2010 - 022100360514

Revision Number: 1

toxicity to crustacea:

| Chemical name | Parameter | Species | Effective dose | Exposure time | Method |
|---|-----------|------------------------|----------------|---------------|----------|
| Hydrocarbons, C11 - C14, i-alkanes, cyclics, < 2% aromates - | EL50 | Daphnia magna | > 1000 mg/L | 48 h | OECD 202 |
| Alkanes, C9-12-iso-90622-57-4 | LC50 | Chaetogammarus marinus | > 1000 mg/L | 96 h | |

Algae Toxicity:

| Chemical name | Parameter | Species | Effective dose | Exposure time | Method |
|---|-----------|---------------------------------|----------------|---------------|----------|
| Hydrocarbons, C11 - C14, i-alkanes, cyclics, < 2% aromates - | EL50 | Pseudokirchneriella subcapitata | > 1000 mg/L | 72 h | OECD 201 |

12.2. Persistence and degradability

Persistence and degradability:

| Chemical name | degradation rate | test duration | Rapidly biodegradable | Remarks | Method |
|---|------------------|---------------|-----------------------|---------|------------|
| Hydrocarbons, C11 - C14, i-alkanes, cyclics, < 2% aromates - | 89.8 % | 28 d | | | OECD 301 F |
| Alkanes, C9-12-iso-90622-57-4 | 31.3 % | 28 d | | | |

12.3. Bioaccumulative potential

Bioaccumulation:

| Chemical name | Partition coefficient | Bioconcentration factor (BCF) |
|--|-----------------------|-------------------------------|
| Hydrocarbons, C11-C12, iso-alkanes, <2% aromatics - | 6.7-7.2 | |

12.4. Mobility in soil

Mobility in soil: No information available.

Mobility: No information available.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment:

| Chemical name | PBT and vPvB assessment |
|---|---------------------------------|
| Hydrocarbons, C11 - C14, i-alkanes, cyclics, < 2% aromates - | The substance is not PBT / vPvB |

SAFETY DATA SHEET

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Revision date: 22-Jul-2021

Conti Tolit 2010 - 022100360514

Revision Number: 1

| | |
|--|-------------------------------|
| Kieselguhr, soda ash flux-calcined 68855-54-9 | PBT assessment does not apply |
|--|-------------------------------|

12.6. Endocrine disrupting properties.

No information available.

12.7. Other adverse effects.

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues/unused products: Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging: Do not reuse empty containers.

Waste codes / waste designations according to EWC / AVV: 08 01 11* (Waste paint and varnish containing organic solvents or other dangerous substances)

SECTION 14: Transport information

14.1. UN number

| | |
|-------|---------------|
| ADR: | Not regulated |
| RID: | Not regulated |
| IMDG: | Not regulated |
| IATA: | Not regulated |

14.2 UN proper shipping name

| | |
|-------|---------------|
| ADR: | Not regulated |
| RID: | Not regulated |
| IMDG: | Not regulated |
| IATA: | Not regulated |

14.3. Transport hazard class(es)

| | |
|-------|---------------|
| ADR: | Not regulated |
| RID: | Not regulated |
| IMDG: | Not regulated |
| IATA: | Not regulated |

14.4. Packing group

| | |
|-------|---------------|
| ADR: | Not regulated |
| RID: | Not regulated |
| IMDG: | Not regulated |
| IATA: | Not regulated |

14.5. Environmental hazards

SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of: Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008



Revision date: 22-Jul-2021

Conti Tolit 2010 - 022100360514

Revision Number: 1

ADR: Not regulated
RID: Not regulated
IMDG: Not regulated
IATA: Not regulated

14.6. Special precautions for user

ADR: Not regulated
RID: Not regulated
IMDG: Not regulated
IATA: Not regulated

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

No information available

SECTION 15: Regulatory information

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

European Union:

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Authorizations and/or restrictions on use:

- This product contains one or more substance(s) subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

| Chemical name | Substance subject to authorization per REACH Annex XIV | Restricted substance per REACH Annex XVII |
|---|--|---|
| Hydrocarbons, C11 - C14, i-alkanes, cyclics, < 2% aromates - | | 3. |

Persistent Organic Pollutants: Not applicable

Ozone-depleting substances (ODS) regulation (EC) 1005/2009: Not applicable

volatile organic compounds (VOC) content:

acc. reg. 2010/75/EG: 22.8 %

acc. reg. 2004/42/EG (Decopaint): 347 g/L

National regulations:

Denmark:

| Chemical name | Denmark - MAL |
|------------------------------------|---|
| Silica, cristobalite 14464-46-1 | 0 m ³ /10 g substance MAL factor 0.1 mg/m ³ Limit Value respirable >=0.1 - 2 % by weight [3] >=1 - 10 % by weight [3] >=10 % by weight [6] >=2 % by weight [6] |

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Revision date: 22-Jul-2021

Conti Tolit 2010 - 022100360514

Revision Number: 1

Germany:

Water hazard class (WGK): slightly hazardous to water (WGK 1) - Classification according to AwSV

| Chemical name | WGK Classification (AwSV) | ID number |
|---|---------------------------|-----------|
| Hydrocarbons, C11 - C14, i-alkanes, cyclics, < 2% aromates - | 1 | 9166 |
| Alkanes, C9-12-iso- 90622-57-4 | 1 | 9174 |
| Kieselguhr, soda ash flux-calcined 68855-54-9 | nwg | 854 |
| Hydrocarbons, C11-C12, iso-alkanes, <2% aromatics - | 1 | 27 |
| Silica, cristobalite 14464-46-1 | nwg | 849 |

TA Luft (German Air Pollution Control Regulation):

total dust incl. fine dust (digit 5.2.1): 65 - 70%
org. substances (Ziffer 5.2.5): 20 - 25%
org. subst. (digit 5.2.5) class II: < 5%

Storage class (TRGS 510): 10 • LGK10 - Combustible liquids unless storage class 3

France:

Occupational Illnesses (R-463-3, France):

| Chemical name | French RG number |
|------------------------------------|------------------|
| Silica, cristobalite 14464-46-1 | RG 25 |

RG 25 - Conditions resulting from inhalation of mineral dusts containing crystalline silica (quartz, cristobalite, tridymite), crystalline silicates (kaolin, talc), graphite, or coal.

Netherlands:

| Chemical name | Netherlands - List of Carcinogens | Netherlands - List of Mutagens | Netherlands - List of Reproductive Toxins | ZZS list: SVHC | (p)ZZS list: potential SVHC |
|------------------------------------|-----------------------------------|--------------------------------|---|----------------|-----------------------------|
| Silica, cristobalite 14464-46-1 | Present X | | | | |

Austria:

Flammable Liquids Regulations, VbF: Flammable liquids: AIII

Switzerland:

VOC content:: acc. VOCV CH 814.018, att. 1: 22.83 %

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Revision date: 22-Jul-2021

Conti Tolit 2010 - 022100360514

Revision Number: 1

International Inventories:

| | |
|---------------|-----------------|
| TSCA | Does not comply |
| DSL/NDSL | Does not comply |
| EINECS/ELINCS | Does not comply |
| ENCS | Does not comply |
| IECSC | Does not comply |
| KECL | Does not comply |
| PICCS | Does not comply |
| AICS | Does not comply |

Legend:

- TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory
- DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List
- EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
- ENCS** - Japan Existing and New Chemical Substances
- IECSC** - China Inventory of Existing Chemical Substances
- KECL** - Korean Existing and Evaluated Chemical Substances
- PICCS** - Philippines Inventory of Chemicals and Chemical Substances
- AICS** - Australian Inventory of Chemical Substances

15.2. Chemical safety assessment

Chemical Safety Report: No information available

SECTION 16: Other information

Key or legend to abbreviations and acronyms used in the safety data sheet:

Full text of H-Statements referred to under section 3:

- EUH066 - Repeated exposure may cause skin dryness or cracking
- H226 - Flammable liquid and vapor
- H304 - May be fatal if swallowed and enters airways
- H372 - Causes damage to organs through prolonged or repeated exposure
- H373 - May cause damage to organs through prolonged or repeated exposure
- H411 - Toxic to aquatic life with long lasting effects
- H413 - May cause long lasting harmful effects to aquatic life

Legend:

- ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures)
- ADR: European agreement concerning the international carriage of dangerous goods by road (Accord européen relatif transport des marchandises dangereuses par route)
- AGW: Occupational threshold limit value (Arbeitsplatzgrenzwert – Germany)
- BCF: Bio-Concentration Factor
- BOD(5): Biochemical oxygen demand (within 5 days)
- CAS: Chemical Abstract Service
- CLP: Classification, Labelling and Packaging
- CMR: Carcinogenic, Mutagenic, toxic for Reproduction
- DIN: German Standards Institute / German industrial norm
- DNEL: Derived No Effect Level
- DOC: Dissolved organic carbon
- EAK/ AVV: European waste catalogue/ waste directory-regulation
- EC50: Effective Concentration 50%

SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of: Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008



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ECHA: European Chemical Agency
EINECS: European Inventory of Existing Commercial Chemical Substances
GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals
IATA: International Air Transport Association
IC50: Inhibition Concentration 50%
IMDG: International Maritime Dangerous Goods Code
LC50: Lethal Concentration 50% - LD50: Lethal dose 50%
MAK: Treshold limit values Germany
NLP: No Longer Polymers
NOAEC: No Observed Adverse Effect Concentration
NOAEL: No Observed Adverse Effect Level
OECD: Organization for Economic Cooperation and Development
PBT: persistent, bioaccumulative, toxic
PC: Product category
PNEC: Predicted No Effect Concentration
REACH: Registration, Evaluation and Authorization of Chemicals
RID: Regulations concerning the international carriage of dangerous goods by rail
(Règlement International concernant le transport de marchandises dangereuses par chemin de fer)
STEL: Short-term Exposure Limit
STP: Sewage treatment plant
SVHC: Substance of Very High Concern
TLV: Threshold Limit Value
TWA: Time Weighted Average
UN: United Nations
VOC: Volatile Organic Compounds
vPvB: very persistent, very bioaccumulative

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Ceiling: Maximum limit value

* Skin designation

| Classification procedure | |
|---|--------------------|
| Classification according to Regulation (EC) No. 1272/2008 [CLP] | Method Used |
| Acute oral toxicity | Calculation method |
| Acute dermal toxicity | Calculation method |
| Acute inhalation toxicity - gas | Calculation method |
| Acute inhalation toxicity - vapor | Calculation method |
| Acute inhalation toxicity - dust/mist | Calculation method |
| Skin corrosion/irritation | Calculation method |
| Serious eye damage/eye irritation | Calculation method |
| Respiratory sensitization | Calculation method |
| Skin sensitization | Calculation method |
| Mutagenicity | Calculation method |
| Carcinogenicity | Calculation method |
| Reproductive toxicity | Calculation method |
| STOT - single exposure | Calculation method |
| STOT - repeated exposure | Calculation method |
| Acute aquatic toxicity | Calculation method |
| Chronic aquatic toxicity | Calculation method |
| Aspiration hazard | Calculation method |
| Ozone | Calculation method |

Key literature references and sources for data used to compile the SDS:

European Chemicals Agency (ECHA)

Agency for Toxic Substances and Disease Registry (ATSDR)

U.S. Environmental Protection Agency ChemView Database

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European Food Safety Authority (EFSA)
EPA (Environmental Protection Agency)
Acute Exposure Guideline Level(s) (AEGL(s))
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
U.S. Environmental Protection Agency High Production Volume Chemicals
Food Research Journal
Hazardous Substance Database
International Uniform Chemical Information Database (IUCLID)
Japan GHS Classification
Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
NIOSH (National Institute for Occupational Safety and Health)
National Library of Medicine's ChemID Plus (NLM CIP)
National Library of Medicine's PubMed database (NLM PUBMED)
National Toxicology Program (NTP)
New Zealand's Chemical Classification and Information Database (CCID)
Organization for Economic Co-operation and Development Environment, Health, and Safety Publications
Organization for Economic Co-operation and Development High Production Volume Chemicals Program
Organization for Economic Co-operation and Development Screening Information Data Set
RTECS (Registry of Toxic Effects of Chemical Substances)
World Health Organization

Revision date: 22-Oct-2021

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006:

Disclaimer:

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End of Safety Data Sheet