

# Safety Data Sheet

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



**78902      Acematt® TS 100**

Page 1

Revised edition: 06.03.2024

Version: 1.14

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

### 1.1. Product Identifier

*Product Name:* Acematt® TS 100

*Article No.:* 78902

*UFI:* --

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

*Identified uses:*  
Matting agent

*Uses advised against:*

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

*Company:* Kremer Pigmente GmbH & Co. KG

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

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

*Internet:* www.kremer-pigmente.com

*E-Mail:* info@kremer-pigmente.com

*Importer:* --

### 1.4. Emergency No.

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

#### 1.4.2 Poison Center:

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## 2. Hazards Identification

### 2.1. Classification of the Substance or Mixture

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

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

*Possible Environmental Effects:*

### 2.2. Label Elements

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

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

*Hazard designation:*  
Not applicable.

*Signal word:*

*Hazard designation:*

*Safety designation:*

*Hazardous components for labelling:*

### 2.3. Other Hazards

*No PBT or vPBT substance according to the REACH Regulation.*

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**Composition/Information on Ingredients**

next page: 2

# Safety Data Sheet

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



**78902 Acematt® TS 100**

Page 2

Revised edition: 06.03.2024

Version: 1.14

Printed: 03.04.2024

## 3.

### 3.1. Substance

### 3.2. Mixture

*Chemical Characterization:* Silicon dioxide, highly disperse amorphous, obtained by chemical means

*Information on Components / Hazardous Ingredients:*

Silicon dioxide, SiO<sub>2</sub> (CAS 7631-86-9, old);  
REACH Reg-No. 01-2119379499-16-0000

CAS-Nr: 112926-00-8

EINECS-Nr: 231-545-4

EC-Nr:

*Additional information:*

*This product/this mixture contains nanoforms.  
The product does not fall under the definition of "nanomaterial" or "engineered nanomaterial" according to the Cosmetics Regulation ((EC) 1223/2009) and the Food Information Regulation ((EC) 1169/2011).*

## 4. First Aid Measures

### 4.1. Description of the First Aid Measures

*General information:*

*Seek medical attention in case of complaints.*

*After inhalation:*

*Supply fresh air. Consult physician if symptoms persist.*

*After skin contact:*

*Wash with soap and rinse with plenty of water.*

*After eye contact:*

*Rinse open eye for several minutes under running water.  
Seek medical attention if irritation persists.*

*After ingestion:*

*Rinse mouth thoroughly with plenty of water and drink plenty of water. Consult a physician.*

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

*Symptoms:*

*Inhalation: coughing, sneezing.*

*Effects:*

*No further information available.*

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

*Treatment:*

*No special first-aid measures necessary.*

## 5. Fire-Fighting Measures

### 5.1. Extinguishing Media

*Suitable extinguishing media:*

*Foam, carbon dioxide (CO<sub>2</sub>), extinguishing powder, water spray*

*next page: 3*

# Safety Data Sheet

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



**78902 Acematt® TS 100**

Page 3

Revised edition: 06.03.2024

Version: 1.14

Printed: 03.04.2024

---

*jet.*

*Use extinguishing media for surrounding fire.*

*Unsuitable extinguishing media:*

*Water with full jet.*

## 5.2. Special Hazards arising from the Substance or Mixture

*Special hazards:*

*No information available.*

## 5.3. Advice for Firefighters

*Protective equipment:*

*Wear self-contained respiratory protective device.*

*Further information:*

*Avoid contamination of sewage system, open water ways and ground water.*

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

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## 6. Accidental Release Measures

### 6.1. Personal Precautions, Protective Equipment and Emergency Procedures

*Personal precautions:*

*Wear protective clothing.*

### 6.2. Environmental Precautions

*Environmental precautions:*

*Prevent contamination of soil, drains and surface waters.*

### 6.3. Methods and Material for Containment and Cleaning Up

*Methods and material:*

*Take up mechanically and collect in suitable containers for disposal. Avoid dust formation.*

### 6.4. Reference to other Sections

*Dispose of contaminated material according to Section 13.*

*Protective clothing, see Section 8.*

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## 7. Handling and Storage

### 7.1. Precautions for Safe Handling

*Instructions on safe handling:*

*Provide adequate ventilation.*

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

*Hygienic measures:*

*Avoid contact with skin, eyes and clothing.*

### 7.2. Conditions for Safe Storage, including any Incompatibilities

*Storage conditions:*

*Store in tightly sealed containers in a dry room.*

*Requirements for storage areas and containers:*

*No special measures necessary.*

next page: 4

# Safety Data Sheet

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



**78902 Acematt® TS 100**

Page 4

Revised edition: 06.03.2024

Version: 1.14

Printed: 03.04.2024

*Information on fire and explosion protection:*

*Take measures to prevent electrostatic discharge.*

*Storage class:*

*13; Non combustible solids (TRGS 510)*

*Further Information:*

## 7.3. Specific End Use(s)

*Further information:*

## 8. Exposure Controls/Personal Protection

### 8.1. Parameters to be Controlled

*Parameters to be controlled (DE):*

*TRGS 900*

*Silicon dioxide, CAS 112926-00-8 (7631-86-9), TWA-Value: 4 mg/m<sup>3</sup> (inhalable dust fraction)*

*MAK: 0.02 mg/m<sup>3</sup> (airborne fraction)*

*Parameters to be controlled:*

*Derived No-Effect Level (DNEL):*

*Predicted No-Effect Concentration (PNEC):*

*Additional Information:*

### 8.2. Exposure Controls

*Technical protective measures:*

*Provide adequate ventilation.*

*Personal Protection*

*General protective measures:*

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

*Avoid contact with eyes and skin.*

*Wash contaminated clothes before reuse.*

*Keep away from foodstuffs and drinks. Do not eat, drink or smoke during work. Wash hands before breaks and at the end of work.*

*Respiratory protection:*

*Dust mask recommended when very dusty: with particle filter P2.*

*Hand protection:*

*Protective gloves (EN 374)*

*Protective glove material:*

*Cloth, rubber, leather.*

*Please note the manufacturers' detailed statements, especially about the minimum thickness and the minimum breakthrough time.*

*Eye protection:*

*Safety glasses with protective shields (EN 166).*

*Body protection:*

next page: 5

# Safety Data Sheet

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



**78902 Acematt® TS 100**

Page 5

Revised edition: 06.03.2024

Version: 1.14

Printed: 03.04.2024

---

*No special protection required.*

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*Environmental precautions:*

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## 9. Physical and Chemical Properties

### 9.1. Information on Basic Physical and Chemical Properties

<i>Form:</i>	<i>powder</i>
<i>Color:</i>	<i>white</i>
<i>Odor:</i>	<i>odorless</i>
<i>Odor threshold:</i>	<i>no information available</i>
<i>pH-Value:</i>	<i>6.5 (50 g/l; 20°C)</i>
<i>Melting temperature:</i>	<i>&gt; 1700°C</i>
<i>Boiling temperature:</i>	<i>not applicable</i>
<i>Flash point:</i>	<i>not applicable</i>
<i>Evaporation rate:</i>	<i>No information available.</i>
<i>Flammability (solid, gas):</i>	<i>not applicable</i>
<i>Upper explosion limit:</i>	<i>not determined</i>
<i>Lower explosion limit:</i>	<i>not determined</i>
<i>Vapor pressure:</i>	<i>not applicable</i>
<i>Vapor density:</i>	<i>No information available.</i>
<i>Density:</i>	<i>ca. 2.2 g/cm<sup>3</sup> (20°C)</i>
<i>Solubility in water:</i>	<i>&gt; 1 mg/l</i>
<i>Coefficient of variation (n-Octanol/Water):</i>	<i>not applicable</i>
<i>Auto-ignition temperature:</i>	<i>not applicable</i>
<i>Decomposition temperature:</i>	<i>&gt; 1700°C</i>
<i>Viscosity, dynamic:</i>	<i>not applicable</i>
<i>Explosive properties:</i>	<i>not applicable</i>

next page: 6

# Safety Data Sheet

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



## 78902 Acematt® TS 100

Page 6

Revised edition: 06.03.2024

Version: 1.14

Printed: 03.04.2024

---

### *Oxidizing properties:*

*no information available*

### *Bulk density:*

*not applicable*

## 9.2. Further Information

### *Solubility in solvents:*

### *Viscosity, kinematic:*

### *Burning class:*

### *Solvent content:*

### *Solid content:*

### *Particle size:*

*Particle characteristics: The structure of synthetic amorphous silica (SAS) can be described by constituent particles that are covalently bonded to form aggregates. Due to the covalent bond, there are no phase boundaries between the constituent particles, they have lost their identity and can therefore only be regarded as primary structures.*

*In addition, the aggregates join together loosely to form agglomerates. The agglomerates are the particles that make up the product when it is placed on the market.*

### *Other information:*

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## 10. Stability and Reactivity

### 10.1. Reactivity

*Stable if used according to specifications.*

### 10.2. Chemical Stability

*Stable if used according to specifications.*

### 10.3. Possibility of Hazardous Reactions

*Hazardous polymerisation will not occur.*

### 10.4. Conditions to Avoid

#### *Conditions to avoid:*

*No information available.*

#### *Thermal decomposition:*

### 10.5. Incompatible Materials

*No information available.*

### 10.6. Hazardous Decomposition Products

*No information available.*

### 10.7. Further Information

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## 11. Toxicological Information

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

#### *Acute Toxicity*

#### *LD50, oral:*

*> 5000 mg/kg (rat; OECD 401)*

*Silicon dioxide (112926-00-8; old 7631-86-9): 5000 mg/kg (rat;*

*next page: 7*

# Safety Data Sheet

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



## 78902 Acematt® TS 100

Page 7

Revised edition: 06.03.2024

Version: 1.14

Printed: 03.04.2024

---

### OECD 401)

*LD50, dermal:*

> 5000 mg/kg (rat)

Silicon dioxide (112926-00-8; old 7631-86-9): > 5000 mg/kg (rabbit; OECD 402)

*LC50, inhalation:*

Silicon dioxide (112926-00-8; old 7631-86-9): LC50: > 5.01 mg/l (rat m/w; OECD 436); Not toxic after single exposure.

*Primary effects*

*Irritant effect on skin:*

Silicon dioxide, SiO<sub>2</sub> (CAS 7631-86-9, old 7631-86-9): non-irritating (rabbit; OECD 404)

*Irritant effect on eyes:*

Silicon dioxide, SiO<sub>2</sub> (CAS 7631-86-9, old 7631-86-9): non-irritating (rabbit; OECD method)

*Inhalation:*

No information available.

*Ingestion:*

Silicon dioxide, SiO<sub>2</sub> (CAS 7631-86-9, old 7631-86-9): NOAEL (repeated intake): > 1000 mg/kg (28d, 7 days per week, rat (m))

*Sensitization:*

Silicon dioxide (112926-00-8; old 7631-86-9):

Non sensitizing (OECD 429, Mouse Local Lymph Node Assay (LLNA))

Non sensitizing (guinea pig; OECD 406).

*Mutagenicity:*

Silicon dioxide (CAS 112945-52-5; old 7631-86-9):

In vitro genetic-toxicity: Ames-Test negative (OECD 471)

Chromosomal Aberration Test (OECD 473): negative

*Reproductive toxicity:*

No negative effects known.

*Carcinogenicity:*

No cancerogenic effect known.

*Teratogenicity:*

No information available.

*Specific target organ toxicity (STOT):*

Silicon dioxide (CAS 112945-52-5; old 7631-86-9):

Single exposure: Not classified based on available information.

Repeated exposure: Not classified based on available information.

*Aspiration hazard:*

Not applicable

### 11.2. Information on other Hazards

*Endocrine Disrupting Properties:*

This substance/mixture does not contain any components with

next page: 8

# Safety Data Sheet

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



**78902 Acematt® TS 100**

Page 8

Revised edition: 06.03.2024

Version: 1.14

Printed: 03.04.2024

---

*endocrine disrupting properties in a percentage of 0.1 or greater, according to Article 57(f) of the REACH Regulation (EC) No. 1907/2006 or the Delegated Regulation (EU) 2017/2100 or the Delegated Regulation (EU) 2018/605.*

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## 12. Ecological Information

### 12.1. Aquatic Toxicity

*Fish toxicity:*

LC50: > 10000 mg/l (96h, *Danio rerio*; OECD 203)

*Daphnia toxicity:*

EC50: > 1000 mg/l (24h, *Daphnia magna*; OECD 202)

*Bacteria toxicity:*

EC50: > 2500 mg/l (3h, active sludge; OECD 209); EC50 (Chronic): > 2500 mg/l (3h, active sludge; OECD 209)

*Algae toxicity:*

No information available.

### 12.2. Persistency and Degradability

*Inorganic substance. Biological degradability is not affected.*

### 12.3. Bioaccumulation

*Bioaccumulation is not to be expected.*

### 12.4. Mobility

No information available.

### 12.5. Results of PBT- und vPvP Assessment

*This product is neither a PBT or vPvB substance nor does it contain a PBT or vPvB substance.*

### 12.6. Endocrine Disrupting Properties

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

### 12.7. Other Adverse Effects

*Water hazard class:*

*Not hazardous.*

*Behaviour in sewage systems:*

*Further ecological effects:*

*AOX Value:*

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## 13. Disposal Considerations

### 13.1. Waste Treatment Methods

*Product:*

*Dispose of according to official national and local regulations.*

*European Waste Code (EWC):*

*Uncleaned packaging:*

*Empty containers should be taken to an approved waste handling*

next page: 9

# Safety Data Sheet

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



**78902 Acematt® TS 100**

Page 9

Revised edition: 06.03.2024

Version: 1.14

Printed: 03.04.2024

---

*site for recycling or disposal.*

*Other countries: observe the national regulations.*

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*Waste Code No.:*

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## 14. Transport Information

### 14.1. UN Number

*ADR, IMDG, IATA*

### 14.2. UN Proper Shipping Name

*ADR/RID:*

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

*IMDG/IATA:*

*Not hazardous goods*

### 14.3. Transport Hazard Classes

*ADR Class:*

*not applicable*

*Hazard no.:*

*Classification code:*

*Tunnel restriction code:*

*IMDG Class (sea):*

*not applicable*

*Hazard no.:*

*EmS No.:*

*IATA Class:*

*not applicable*

*Hazard no.:*

### 14.4. Packaging Group

*ADR/RID:*

*not applicable*

*IMDG:*

*IATA:*

### 14.5. Environmental Hazards

*None*

### 14.6. Special Precautions for User

*none known*

### 14.7. Maritime Transport in Bulk according to IMO Instruments

*not applicable*

### 14.8. Further Information

*Not classified as a dangerous good under transport regulations.*

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## 15. Regulatory Information

next page: 10

# Safety Data Sheet

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



## 78902 Acematt® TS 100

Page 10

Revised edition: 06.03.2024

Version: 1.14

Printed: 03.04.2024

---

### 15.1. Safety, Health and Environmental Regulations/Legislation specific for the Substance or Mixture

*Water hazard class:*

*0, not hazardous (according to the German Regulation AwSV)*

*Local regulations on chemical accidents:*

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

*Employment restrictions:*

*Restriction and prohibition of application:*

*EC. REACH, Section XVII, Restrictions on the Manufacture, Placing on the Market and Use of Certain Dangerous Substances, Preparations and Articles: not applicable*

*Technical instructions on air quality:*

*Not applicable.*

### 15.2. Chemical Safety Assessment

*A Chemical Safety Assessment is not necessary for this product.*

*EC SVHC-List (REACH, Annex XIV): not listed*

### 15.3. Further Information

*Listed in the following inventories:*

*EINECS (231-545-4), TSCA (US), AICS (AUS), DSL/NDL (CA), ENCS (JP), PICCS (PH), KECI (KR), IECSC (CN), NZIoC (NZ), TCSI (TW), Switzerland, KKDIK (TR), TSCA (GB), NCI (VN)*

*EC. REACH, Annex XIV, Candidate List of Substances of very High Concern (SVHC): not regulated / not applicable*

*Regulation (EC) 1005/2009 - Substances that Deplete the Ozone Layer: not regulated / not applicable*

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

*Regulation (EU) 2019/1021 - Persistent organic pollutants: not regulated / not applicable*

*Regulation (EC) No. 166/2006 concerning the establishment of a European Pollutant Release and Transfer Register (PRTR): Not listed*

*EC. Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work: not applicable*

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### 16. Other Information

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