

# Safety Data Sheet

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



**58940 Tixogel® VZ**

Page 1

Revised edition: 14.11.2018

Version: 1

Printed: 20.12.2019

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

### 1.1. Product Identifier

*Product Name:* Tixogel® VZ

*Article No.:* 58940

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

*Identified uses:*

Rheological additive

*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

*This product is capable of dust explosion under certain circumstances.*

*Depending on the use and handling the formation of airborne*

next page: 2

# Safety Data Sheet

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



**58940**      **Tixogel® VZ**

Page 2

Revised edition: 14.11.2018

Version: 1

Printed: 20.12.2019

---

*crystalline silicium dioxid is possible.*

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## 3. Composition/Information on Ingredients

### 3.1. Substance

### 3.2. Mixture

*Chemical Characterization:*                      *Organophile bentonite*

*Information on Components / Hazardous Ingredients:*

*Additional information:*

*This product contains less than 1% of respirable silica, and is therefore not classified as harmful.*

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## 4. First Aid Measures

### 4.1. Description of the First Aid Measures

*General information:*

*No special measures required.*

*After inhalation:*

*Supply fresh air and seek medical advice in case of complaints.*

*After skin contact:*

*Remove contaminated clothing. Wash off immediately with plenty of water and soap.*

*Wash contaminated clothing before reuse.*

*In case of skin irritation consult physician.*

*After eye contact:*

*Rinse open eyes with plenty of water for at least 15 minutes.*

*Remove contact lens.*

*Seek medical attention if irritation persists.*

*After ingestion:*

*After swallowing larger amount of product seek medical aid.*

*Rinse mouth with plenty of water.*

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

*Symptoms:*

*No further information available.*

*Effects:*

*No further information available.*

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

*Treatment:*

*Treat symptomatically.*

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## 5. Fire-Fighting Measures

### 5.1. Extinguishing Media

*Suitable extinguishing media:*

*Water mist, extinguishing powder, foam, carbon dioxide.*

*Unsuitable extinguishing media:*

*None known.*

next page: 3

# Safety Data Sheet

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



**58940**      **Tixogel® VZ**

Page 3

Revised edition: 14.11.2018

Version: 1

Printed: 20.12.2019

---

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

*Special hazards:*

*In case of fire: formation of carbon oxides, nitrogen oxides.  
Dust can form explosive mixtures with air.*

## 5.3. Advice for Firefighters

*Protective equipment:*

*Wear self-contained respiratory protective device and full protective gear.*

*Further information:*

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## 6. Accidental Release Measures

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

*Personal precautions:*

*Avoid formation of dust, wear protective clothing. Keep spectators away.  
Avoid contact with skin and eyes. Do not ingest or inhale.  
Together with water product causes slippery surfaces.*

### 6.2. Environmental Precautions

*Environmental precautions:*

*Prevent contamination of soils, drains and surface water.*

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

*Methods and material:*

*Take up mechanically and collect in suitable containers for disposal.  
Collect powder using a special dust vacuum cleaner with particle filter and dispose in a adequate resealable container.  
Rinse with lots of water.  
Avoid accumulation of dust: risk of dust explosion. Avoid causing sparks!*

### 6.4. Reference to other Sections

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## 7. Handling and Storage

### 7.1. Precautions for Safe Handling

*Instructions on safe handling:*

*Avoid formation of dust. Do not inhale dust.  
Provide adequate ventilation.  
Clean surfaces regularly to ensure that no dust accumulates on the surfaces.*

*Hygienic measures:*

*Avoid contact with eyes and skin.  
Do not eat or drink during work. Do not smoke.*

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

*Storage conditions:*

*Store in tightly sealed containers in a well ventilated location.  
Protect against humidity.*

next page: 4

# Safety Data Sheet

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



**58940**      **Tixogel® VZ**

Page 4

Revised edition: 14.11.2018

Version: 1

Printed: 20.12.2019

*Requirements for storage areas and containers:*

*Close open containers with care and store in an upright position to avoid spilling.*

*Information on fire and explosion protection:*

*Avoid dust formation.  
Keep away from sources of ignition - do not smoke. Take measures to prevent electrostatic discharge.  
Dust may form an explosive mixture with air.*

*Storage class:*

*10-13 (TRSG 510)*

*Further Information:*

## 7.3. Specific End Use(s)

*Further information:*

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## 8. Exposure Controls/Personal Protection

### 8.1. Parameters to be Controlled

*The total amount of dust (total and inhalable) and inhalable crystalline silicium dioxide should be monitored and controlled.*

*Parameters to be controlled (DE):*

*TRGS 900  
TLV: 1.25 mg/m<sup>3</sup> air-borne fraction (general dust limit)  
TLV: 10 mg/m<sup>3</sup> inhalable fraction (general dust limit)  
Peak limit Category: 2 (II)*

*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/exhaust system.  
Facilities storing or utilizing this material should be equipped with an eyewash facility.*

*Personal Protection*

*General protective measures:*

*Wear adequate protective clothing.  
Wash contaminated clothes before reuse.  
Do not inhale dust. Do not eat, drink or smoke while working.  
Wash hands before breaks and at the end of work.  
Avoid contact with eyes.*

*Respiratory protection:*

*None required under normal operating conditions.*

next page: 5

# Safety Data Sheet

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



**58940**      **Tixogel® VZ**

Page 5

Revised edition: 14.11.2018

Version: 1

Printed: 20.12.2019

---

*Hand protection:*

*Protective gloves (EN 374)*

*Protective glove material:*

*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:*

*Protective clothing.*

*Environmental precautions:*

*No special measures required.*

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## 9. Physical and Chemical Properties

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

*Form:* powder

*Color:* white

*Odor:* odorless

*Odor threshold:*  
*No information available.*

*pH-Value:*  
*not available*

*Melting temperature:*  
*not available*

*Boiling temperature:*  
*not available*

*Flash point:*  
*not available*

*Evaporation rate:*  
*No information available.*

*Flammability (solid, gas):*  
*not applicable*

*Upper explosion limit:*  
*no information available*

*Lower explosion limit:* > 0.05 Vol.-%

*Vapor pressure:*  
*not applicable*

*Vapor density:*  
*No information available.*

*Density:* 1.6 g/cm<sup>3</sup> (20°C)

*Solubility in water:* insoluble

*Coefficient of variation (n-*

next page: 6

# Safety Data Sheet

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



**58940**      **Tixogel® VZ**

Page 6

Revised edition: 14.11.2018

Version: 1

Printed: 20.12.2019

---

*Octanol/Water):*

*no information available*

*Auto-ignition temperature:*

*190°C (374°F)*

*Decomposition temperature:*

*No data available.*

*Viscosity, dynamic:*

*not available*

*Explosive properties:*

*not applicable*

*Oxidizing properties:*

*no information available*

*Bulk density:*

*not determined*

## 9.2. Further Information

*Solubility in solvents:*

*Viscosity, kinematic:*

*Burning class:*

*Solvent content:*

*Solid content:*

*Particle size:*

*Other information:*

*No further 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

*Risk of dust explosion.*

### 10.4. Conditions to Avoid

*Conditions to avoid:*

*Avoid formation of dust.*

*Avoid ignition sources.*

*Avoid humidity.*

*Thermal decomposition:*

*No data available.*

### 10.5. Incompatible Materials

*No information available.*

### 10.6. Hazardous Decomposition Products

*None if stored and handled according to specifications.*

next page: 7

# Safety Data Sheet

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



**58940**      **Tixogel® VZ**

Page 7

Revised edition: 14.11.2018

Version: 1

Printed: 20.12.2019

---

## 10.7. Further Information

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## 11. Toxicological Information

### 11.1. Information on Toxicological Effects

*Acute Toxicity*

*No information available.*

*LD50, oral:*

*LD50, dermal:*

*LC50, inhalation:*

*Primary effects*

*Irritant effect on skin:*

*No information available*

*Irritant effect on eyes:*

*Product dust may cause irritation.*

*Inhalation:*

*Dust can cause irritation of the respiratory system.*

*Ingestion:*

*No information available*

*Sensitization:*

*No sensitizing effects known.*

*Mutagenicity:*

*not determined*

*Reproductive toxicity:*

*No relevant data found.*

*Carcinogenicity:*

*No relevant data found.*

*Teratogenicity:*

*No information available.*

*Specific target organ toxicity (STOT):*

*No relevant data found.*

*Additional toxicological information:*

*Frequent or repeated inhalation of airborne quartz powder (crystalline silicate) can cause silicosis.*

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## 12. Ecological Information

### 12.1. Aquatic Toxicity

*Fish toxicity:*

*No negative effects.*

*Daphnia toxicity:*

*No negative effects.*

*Bacteria toxicity:*

*No negative effects.*

next page: 8

# Safety Data Sheet

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



**58940 Tixogel® VZ**

Page 8

Revised edition: 14.11.2018

Version: 1

Printed: 20.12.2019

---

*Algae toxicity:*

*No negative effects.*

**12. 2. Persistency and Degradability**

*No information available.*

**12. 3. Bioaccumulation**

*No information available.*

**12. 4. Mobility**

*No information available.*

**12. 5. Results of PBT- und vPvP Assessment**

*This substance is not classified as PBT (persistent, bioaccumulative, toxic), nor as vPvB (very persistent, very bioaccumulative).*

**12. 6. 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:*

*If product cannot be reused or recycled, it has to be disposed of according to current local regulations.*

*European Waste Code (EWC):*

*Uncleaned packaging:*

*Uncontaminated packaging may be recycled. Completely empty packaging can be disposed of with the regular waste.*

*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 (land transportation).*

*IMDG/IATA:*

*No hazardous goods according to IMDG.*

**14. 3. Transport Hazard Classes**

*ADR Class:*

*not applicable*

*Hazard no.:*

*Classification code:*

next page: 9



# Safety Data Sheet

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



**58940 Tixogel® VZ**

Page 9

Revised edition: 14.11.2018

Version: 1

Printed: 20.12.2019

---

*Tunnel restriction code:*

*IMDG Class (sea):*

*Hazard no.:*

*EmS No.:*

*IATA Class:*

*Hazard no.:*

## 14. 4. Packaging Group

*ADR/RID:*

*not applicable*

*IMDG:*

*IATA:*

## 14. 5. Environmental Hazards

*Not classified as environmentally hazardous.*

## 14. 6. Special Precautions for User

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

## 14. 7. Transportation in Bulk according to Annex II of MARPOL 73/78 and IBC-Code

*not applicable*

## 14. 8. Further Information

*Do not store together with foodstuffs.*

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## 15. Regulatory Information

### 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:*

*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:*

### 15. 2. Chemical Safety Assessment

*A Chemical Safety Assessment has not been carried out for this product.*

### 15. 3. Further Information

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

next page: 10

# Safety Data Sheet

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



**58940**      **Tixogel® VZ**

Page 10

Revised edition: 14.11.2018

Version: 1

Printed: 20.12.2019

---

*therefore not be construed as guaranteeing specific properties.*