

# Safety Data Sheet

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



**39354**

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Revised edition:

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

### 1.1. Product Identifier

*Product Name:*

*Article No.:* 39354

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

*Identified uses:*

*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](http://www.kremer-pigmente.com)

*E-Mail:* [info@kremer-pigmente.com](mailto: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)*

*Possible Environmental Effects:*

### 2.2. Label Elements

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

*Hazard designation:*

*Signal word:*

*Hazard designation:*

*Safety designation:*

*Hazardous components for labelling:*

### 2.3. Other Hazards

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## 3. Composition/Information on Ingredients

### 3.1. Substance

### 3.2. Mixture

*Chemical Characterization:*

*Information on Components / Hazardous  
Ingredients:*

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*Additional information:*

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## 4. First Aid Measures

### 4.1. Description of the First Aid Measures

*General information:*

*After inhalation:*

*In case of complaints consult a physician.*

*After skin contact:*

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

*After eye contact:*

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

*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:*

*Effects:*

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

*Treatment:*

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## 5. Fire-Fighting Measures

### 5.1. Extinguishing Media

*Suitable extinguishing media:*

*Use extinguishing media for surrounding fire.  
Product itself does not burn.*

*Unsuitable extinguishing media:*

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

*Special hazards:*

### 5.3. Advice for Firefighters

*Protective equipment:*

*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.  
Avoid contact with eyes and skin.*

### 6.2. Environmental Precautions

*Environmental precautions:*

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

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

*Methods and material:*

*Clean up mechanically. Avoid dust formation.*

## 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.*

*Provide adequate ventilation.*

*Hygienic measures:*

### 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:*

*Information on fire and explosion protection:*

*Do not store together with: strong acids and strong alkalis.*

*Storage class:*

*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

*Parameters to be controlled (DE):*

*TWA: 0.1 mg/m<sup>3</sup>*

*Parameters to be controlled:*

*Derived No-Effect Level (DNEL):*

*Predicted No-Effect Concentration (PNEC):*

*Additional Information:*

### 8.2. Exposure Controls

*Technical protective measures:*

*No further measures, see Section 7.*

*Personal Protection*

*General protective measures:*

*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 (particle filter P3; EN 136, 140, 149) .*

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*Hand protection:*

*Protective gloves*

*The manufacturer's directions for use should be observed because of the great diversity of types.*

*Protective glove material:*

*Eye protection:*

*Tightly fitting safety goggles (EN 166).*

*Body protection:*

*Environmental precautions:*

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## **9. Physical and Chemical Properties**

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

*Form:*

*Color:*

*Odor:*

*Odor threshold:*

*pH-Value:*

*Melting temperature:*

*Boiling temperature:*

*Flash point:*

*Evaporation rate:*

*Flammability (solid, gas):*

*Upper explosion limit:*

*Lower explosion limit:*

*Vapor pressure:*

*Vapor density:*

*Density:*

*Solubility in water:*

*Coefficient of variation (n-Octanol/Water):*

*Auto-ignition temperature:*

*Decomposition temperature:*

*Viscosity, dynamic:*

*Explosive properties:*

*Oxidizing properties:*

*Bulk density:*

### **9.2. Further Information**

*Solubility in solvents:*

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*Viscosity, kinematic:*

*Burning class:*

*Solvent content:*

*Solid content:*

*Particle size:*

*Other information:*

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## 10. Stability and Reactivity

10.1. Reactivity

10.2. Chemical Stability

10.3. Possibility of Hazardous Reactions

10.4. Conditions to Avoid

*Conditions to avoid:*

*Thermal decomposition:*

10.5. Incompatible Materials

10.6. Hazardous Decomposition Products

10.7. Further Information

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## 11. Toxicological Information

11.1. Information on Toxicological Effects

*Acute Toxicity*

*LD50, oral:*

*LD50, dermal:*

*LC50, inhalation:*

*Primary effects*

*Irritant effect on skin:*

*Irritant effect on eyes:*

*Product dust may cause irritation.*

*Inhalation:*

*Harmful by inhalation.*

*Ingestion:*

*Sensitization:*

*Mutagenicity:*

*Reproductive toxicity:*

*Carcinogenicity:*

*Teratogenicity:*

*Specific target organ toxicity (STOT):*

*Additional toxicological information:*

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## 12. Ecological Information

### 12.1. Aquatic Toxicity

*Fish toxicity:*

*Daphnia toxicity:*

*Bacteria toxicity:*

*Algae toxicity:*

### 12.2. Persistency and Degradability

*Inorganic substance. Biological degradability is not affected.*

### 12.3. Bioaccumulation

### 12.4. Mobility

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

### 12.6. Other Adverse Effects

*Water hazard class:*

*Behaviour in sewage systems:*

*Further ecological effects:*

*Very toxic for water organisms; bactericidal effect.*

*AOX Value:*

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## 13. Disposal Considerations

### 13.1. Waste Treatment Methods

*Product:*

*Product can be taken to a waste disposal site according to local regulations.*

*European Waste Code (EWC):*

*Uncleaned packaging:*

*Dispose of according to official local regulations.*

*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:*

*IMDG/IATA:*

### 14.3. Transport Hazard Classes

*ADR Class:*

*Hazard no.:*

*Classification code:*

*Tunnel restriction code:*

*IMDG Class (sea):*

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*Hazard no.:*

*EmS No.:*

*IATA Class:*

*Hazard no.:*

## 14. 4. Packaging Group

*ADR/RID:*

*IMDG:*

*IATA:*

## 14. 5. Environmental Hazards

## 14. 6. Special Precautions for User

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

## 14. 8. Further Information

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## 15. Regulatory Information

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

*Water hazard class:*

*2, hazardous for water (German Regulation, Assessment by list)*

*Local regulations on chemical accidents:*

*Employment restrictions:*

*Restriction and prohibition of application:*

*Technical instructions on air quality:*

### 15. 2. Chemical Safety Assessment

### 15. 3. Further Information

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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.*

*Zinconium-content: ca. 1 %*