

# Safety Data Sheet

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



## 479228 Kremer Watercolor - Warm Gray No. 2

Page 1

Revised edition: 02.04.2020

Version: 1

Printed: 06.04.2020

---

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

#### 1.1. Product Identifier

*Product Name:* Kremer Watercolor - Warm Gray No. 2

*Article No.:* 479228

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

*Identified uses:*

Coloring 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:

---

### 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

---

### 3. Composition/Information on Ingredients

#### 3.1. Substance

next page: 2

# Safety Data Sheet

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



## 479228 Kremer Watercolor - Warm Gray No. 2

Page 2

Revised edition: 02.04.2020

Version: 1

Printed: 06.04.2020

### 3.2. Mixture

*Chemical Characterization:*

Zinc White and Pigment Brown 8 (CAS 1309-37-1) in Kremer watercolor medium.

Watercolor medium: Gum Arabic: CAS No. 9000-01-5; EINECS 2325195, Honey, Glycerol: 1,2,3-Trihydroxypropane (CAS No.: 56-81-5; EINECS 200-895)

*Information on Components / Hazardous Ingredients:*

Zinc oxide (H410); REACH Reg. No. 01-2119463881-32-0000

40 - 50 %

CAS-Nr: 1314-13-2

EINECS-Nr: 215-222-5

EC-Nr: 030-013-00-7

*Additional information:*

### 4. First Aid Measures

#### 4.1. Description of the First Aid Measures

*General information:*

No special measures required.

*After inhalation:*

Take affected person to fresh air.

*After skin contact:*

Wash with soap and rinse with plenty of water.

*After eye contact:*

Rinse open eyes with plenty of water. In case of discomfort seek medical help.

*After ingestion:*

If symptoms persist consult physician.

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

*Symptoms:*

No further information available.

*Effects:*

#### 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.

*Unsuitable extinguishing media:*

None known.

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

*Special hazards:*

Do not inhale fumes.

next page: 3

# Safety Data Sheet

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



## 479228 Kremer Watercolor - Warm Gray No. 2

Page 3

Revised edition: 02.04.2020

Version: 1

Printed: 06.04.2020

---

### 5.3. Advice for Firefighters

*Protective equipment:*

*Wear self-contained respiratory protective device.*

*Further information:*

---

## 6. Accidental Release Measures

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

*Personal precautions:*

*No special measures required.*

### 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:*

*Clean with water.*

### 6.4. Reference to other Sections

*Protective clothing, see Section 8.*

---

## 7. Handling and Storage

### 7.1. Precautions for Safe Handling

*Instructions on safe handling:*

*Avoid contact with eyes and skin.*

*Hygienic measures:*

*Wash hands at the end of work. Preventive skin protection recommended.*

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

*Storage conditions:*

*Store in a cool and dry place.*

*Requirements for storage areas and containers:*

*No special measures necessary.*

*Information on fire and explosion protection:*

*Do not store together with: foodstuffs, beverages and feed.*

*Storage class:*

*10-13 (TRSG 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):*

*Zinc oxide (CAS 1314-13-2), MAK: 10 mg/m<sup>3</sup> (inhalable fraction);*

*next page.*

# Safety Data Sheet

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



## 479228 Kremer Watercolor - Warm Gray No. 2

Page 4

Revised edition: 02.04.2020

Version: 1

Printed: 06.04.2020

---

3 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:*

*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:*

*Not required.*

*Hand protection:*

*Not required*

*Protective glove material:*

*Eye protection:*

*Not required.*

*Body protection:*

*Environmental precautions:*

---

## 9. Physical and Chemical Properties

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

*Form:* solid

*Color:* gray

*Odor:* odorless

*Odor threshold:* No information available.

*pH-Value:* not available

*Melting temperature:* not available

*Boiling temperature:* not applicable

*Flash point:* not combustible

*Evaporation rate:* not applicable

next page: 5

# Safety Data Sheet

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



## 479228 Kremer Watercolor - Warm Gray No. 2

Page 5

Revised edition: 02.04.2020

Version: 1

Printed: 06.04.2020

---

*Flammability (solid, gas):*

*not applicable*

*Upper explosion limit:*

*no information available*

*Lower explosion limit:*

*no information available*

*Vapor pressure:*

*not applicable*

*Vapor density:*

*No information available.*

*Density:*

*not applicable*

*Solubility in water:*

*soluble*

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

*no information available*

*Auto-ignition temperature:*

*not applicable*

*Decomposition temperature:*

*No data available.*

*Viscosity, dynamic:*

*not applicable*

*Explosive properties:*

*not applicable*

*Oxidizing properties:*

*no information available*

*Bulk density:*

### 9.2. Further Information

*Solubility in solvents:*

*Viscosity, kinematic:*

*Burning class:*

*Solvent content:*

*Solid content:*

*Particle size:*

*Other information:*

*No further information.*

---

## 10. Stability and Reactivity

### 10.1. Reactivity

*Stable if used according to specifications.*

next page: 6

# Safety Data Sheet

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



## 479228 Kremer Watercolor - Warm Gray No. 2

Page 6

Revised edition: 02.04.2020

Version: 1

Printed: 06.04.2020

---

### 10.2. Chemical Stability

*Stable if used according to specifications.*

### 10.3. Possibility of Hazardous Reactions

*None if handled and stored according to specifications.*

### 10.4. Conditions to Avoid

*Conditions to avoid:*

*No information available.*

*Thermal decomposition:*

*No further information available.*

### 10.5. Incompatible Materials

*No information available.*

### 10.6. Hazardous Decomposition Products

*No information available.*

### 10.7. Further Information

---

## 11. Toxicological Information

### 11.1. Information on Toxicological Effects

*Acute Toxicity*

*LD50, oral:*

*Zinc oxide: > 5000 mg/m<sup>3</sup> (rat)*

*LD50, dermal:*

*No information available.*

*LC50, inhalation:*

*Zinc oxide: > 5.7 mg/l (4h, rat)*

*Primary effects*

*Irritant effect on skin:*

*No irritant effect known.*

*Irritant effect on eyes:*

*No irritant effect known.*

*Inhalation:*

*No information available.*

*Ingestion:*

*No information available*

*Sensitization:*

*No relevant data found.*

*Mutagenicity:*

*No relevant data found.*

*Reproductive toxicity:*

*No relevant data found.*

*Carcinogenicity:*

*No relevant data found.*

next page: 7

# Safety Data Sheet

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



## 479228 Kremer Watercolor - Warm Gray No. 2

Page 7

Revised edition: 02.04.2020

Version: 1

Printed: 06.04.2020

---

*Teratogenicity:*

*No information available.*

*Specific target organ toxicity (STOT):*

*No relevant data found.*

*Additional toxicological information:*

*Acute or chronic effects are not expected.*

---

## 12. Ecological Information

### 12.1. Aquatic Toxicity

*Zinc oxide:*

*Fish toxicity:*

*LC50: 1.1 mg/l (48h; Oryzias latipes)*

*Daphnia toxicity:*

*EC50: > 1000 mg/l (48h, Daphnia magna)*

*Bacteria toxicity:*

*No data available.*

*Algae toxicity:*

*IC50: 0.17 mg/l (72h, Pseudokirchneriella subcapitata); NOEC: 0.017 mg/l (72h, Pseudokirchneriella subcapitata)*

### 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

*No data available.*

### 12.6. Other Adverse Effects

*Water hazard class:*

*1, slightly hazardous (German Regulation; Self-assessment).*

*Behaviour in sewage systems:*

*Further ecological effects:*

*AOX Value:*

---

## 13. Disposal Considerations

### 13.1. Waste Treatment Methods

*Product:*

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

*European Waste Code (EWC):*

*Uncleaned packaging:*

*Uncontaminated packaging may be recycled.*

*Waste Code No.:*

---

# Safety Data Sheet

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



## 479228 Kremer Watercolor - Warm Gray No. 2

Page 8

Revised edition: 02.04.2020

Version: 1

Printed: 06.04.2020

---

### 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:*

*Tunnel restriction code:*

*IMDG Class (sea):*

*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

*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

#### 14.8. Further Information

---

### 15. Regulatory Information

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

*Water hazard class:*

*1, slightly hazardous for water (German Regulation)*

*Local regulations on chemical accidents:*

*Employment restrictions:*

*Restriction and prohibition of application:*

next page: 9

# Safety Data Sheet

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



## 479228 Kremer Watercolor - Warm Gray No. 2

Page 9

Revised edition: 02.04.2020

Version: 1

Printed: 06.04.2020

---

*Technical instructions on air quality:*

### 15.2. Chemical Safety Assessment

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

### 15.3. Further Information

---

### 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.*