

Safety Data Sheet

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



479428 Kremer Watercolor - Cool 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 - Cool Gray No. 2

Article No.: 479428

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)



479428 Kremer Watercolor - Cool Gray No. 2

Page 2

Revised edition: 02.04.2020

Version: 1

Printed: 06.04.2020

3.2. Mixture

Chemical Characterization: Zink White and Furnace Black 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
---	-----------	--

Carbon Black, amorphous; REACH-Nr. 01-2119384822-32-0032	< 5 %	CAS-Nr: 1333-86-4 EINECS-Nr: 215-609-9 EC-Nr:
--	-------	---

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 (CO₂), extinguishing powder, water spray.

Unsuitable extinguishing media:

None known.

next page: 3

Safety Data Sheet

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



479428 Kremer Watercolor - Cool Gray No. 2

Page 3

Revised edition: 02.04.2020

Version: 1

Printed: 06.04.2020

5.2. Special Hazards arising from the Substance or Mixture

Special hazards:

Do not inhale fumes.

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:

Safety Data Sheet

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



479428 Kremer Watercolor - Cool Gray No. 2

Page 4

Revised edition: 02.04.2020

Version: 1

Printed: 06.04.2020

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/m³ (inhalable fraction);
3 mg/m³ (airborne fraction)*

Parameters to be controlled:

Carbon Black, amorphous (CAS 1333-86-4), TWA (inhalable fraction): 3.5 mg/m³ (EH40 WEL); STEL (inhalable fraction): 7.0 mg/m³ (EH40 WEL)

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

next page: 5

Safety Data Sheet

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



479428 Kremer Watercolor - Cool Gray No. 2

Page 5

Revised edition: 02.04.2020

Version: 1

Printed: 06.04.2020

<i>Boiling temperature:</i>	<i>not applicable</i>
<i>Flash point:</i>	<i>not combustible</i>
<i>Evaporation rate:</i>	<i>not applicable</i>
<i>Flammability (solid, gas):</i>	<i>not applicable</i>
<i>Upper explosion limit:</i>	<i>no information available</i>
<i>Lower explosion limit:</i>	<i>no information available</i>
<i>Vapor pressure:</i>	<i>not applicable</i>
<i>Vapor density:</i>	<i>No information available.</i>
<i>Density:</i>	<i>not applicable</i>
<i>Solubility in water:</i>	<i>soluble</i>
<i>Coefficient of variation (n-Octanol/Water):</i>	<i>no information available</i>
<i>Auto-ignition temperature:</i>	<i>not applicable</i>
<i>Decomposition temperature:</i>	<i>No data available.</i>
<i>Viscosity, dynamic:</i>	<i>not applicable</i>
<i>Explosive properties:</i>	<i>not applicable</i>
<i>Oxidizing properties:</i>	<i>no information available</i>

Bulk density:

9.2. Further Information

Solubility in solvents:

Viscosity, kinematic:

Burning class:

Solvent content:

Solid content:

Particle size:

next page: 6

Safety Data Sheet

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



479428 Kremer Watercolor - Cool Gray No. 2

Page 6

Revised edition: 02.04.2020

Version: 1

Printed: 06.04.2020

Other information:

No further information.

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

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/m³ (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.

next page: 7

Safety Data Sheet

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



479428 Kremer Watercolor - Cool Gray No. 2

Page 7

Revised edition: 02.04.2020

Version: 1

Printed: 06.04.2020

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:

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):

next page: 8

Safety Data Sheet

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



479428 Kremer Watercolor - Cool Gray No. 2

Page 8

Revised edition: 02.04.2020

Version: 1

Printed: 06.04.2020

Uncleaned packaging:

Uncontaminated packaging may be recycled.

Waste Code No.:

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)

next page: 9

Safety Data Sheet

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



479428 Kremer Watercolor - Cool Gray No. 2

Page 9

Revised edition: 02.04.2020

Version: 1

Printed: 06.04.2020

Local regulations on chemical accidents:

Employment restrictions:

Restriction and prohibition of application:

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.