

# Safety Data Sheet

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



## 47110 Bone Black exclusive

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Revised edition: 07.09.2018

Version: 4.0

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

#### 1.1. Product Identifier

*Product Name:* Bone Black exclusive

*Article No.:* 47110

*UFI:* --

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

*Identified uses:*  
Pigment for paint, varnishes and plastics.

*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

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### 3. Composition/Information on Ingredients

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### 3.1. Substance

### 3.2. Mixture

*Chemical Characterization:* Bone Black, C.I. Pigment Black 9

*Information on Components / Hazardous Ingredients:*

Bones, ashes	10 - 80 %	CAS-Nr: 68439-86-1 EINECS-Nr: 270-423-5 EC-Nr:
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Carbon	10 - 80 %	CAS-Nr: 7440-44-0 EINECS-Nr: 231-153-3 EC-Nr:
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Pentacalcium hydroxide tris(orthophosphate); REACH Reg. No. 01-2119490075-38	10 - 80 %	CAS-Nr: 12167-74-7 EINECS-Nr: 235-330-6 EC-Nr:
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Carbon Black, amorphous; REACH-Nr. 01- 2119384822-32-0032	< 5 %	CAS-Nr: 1333-86-4 EINECS-Nr: 215-609-9 EC-Nr:
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*Additional information:*

*Bones, ashes (CAS 68439-86-1): Exempted from the mandatory REACH Registration (Regulation (EC) No. 1907/2006,, Annex 2).*

## 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.*

*After skin contact:*

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

*After eye contact:*

*Rinse open eye for several minutes under running water.*

*After ingestion:*

*Never give anything by mouth to an unconscious person.  
Rinse mouth with plenty of water.*

### 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 information available.*

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### 5. Fire-Fighting Measures

#### 5.1. Extinguishing Media

*Suitable extinguishing media:*

*Water mist.*

*Water jet.*

*Unsuitable extinguishing media:*

*None known.*

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

*Special hazards:*

*In case of fire: formation of carbon monoxide, carbon dioxide, calcium oxide.*

#### 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:*

*Wear protective clothing.*

*Ensure adequate ventilation.*

*Avoid formation of dust.*

#### 6.2. Environmental Precautions

*Environmental precautions:*

*No special measures required.*

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

*Methods and material:*

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

#### 6.4. Reference to other Sections

*No information available.*

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### 7. Handling and Storage

#### 7.1. Precautions for Safe Handling

*Instructions on safe handling:*

*Avoid formation and deposition of dust. Provide adequate ventilation.*

*Avoid formation of dust. Do not inhale dust.*

*Provide adequate ventilation.*

*A nearby eyewash facility should be available for emergencies.*

*Hygienic 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.*

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

*Storage conditions:*

*Store in tightly sealed containers in a dry and well ventilated location.*

*Requirements for storage areas and containers:*

*Store product in closed containers.*

*Information on fire and explosion protection:*

*Avoid dust formation.  
Take measures to prevent electrostatic discharge.  
Keep away from sources of ignition - do not smoke.*

*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

*Parameters to be controlled (DE):*

*TLV: 10 mg/m<sup>3</sup> inhalable fraction (general dust limit)  
TLV: 1.25 mg/m<sup>3</sup> air-borne 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:*

*Biological limit value (TRGS 903):  
Pentacalcium hydroxide tris(orthophosphate):  
Hydrogen fluoride and inorganic fluorine compounds (fluoride): 7.0 mg/g creatinine in urine (b); 4.0 mg/g creatinine in urine (d)*

### 8.2. Exposure Controls

*Technical protective measures:*

*Facilities storing or utilizing this material should be equipped with an eyewash facility or eyewash bottle.*

*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:*

*In case of formation of dust.*

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### *Hand protection:*

*Protective gloves recommended in case of prolonged or repeated contact.*

### *Protective glove material:*

### *Eye protection:*

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

### *Body protection:*

*Protective clothing, chemical resistant.*

### *Environmental precautions:*

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## 9. Physical and Chemical Properties

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

*Form:*

*solid*

*Color:*

*black*

*Odor:*

*weak ammoniacal*

*Odor threshold:*

*no information available*

*pH-Value:*

*8.2 - 8.7*

*Melting temperature:*

*not available*

*Boiling temperature:*

*not available*

*Flash point:*

*not available*

*Evaporation rate:*

*No information available.*

*Flammability (solid, gas):*

*non-combustible*

*Upper explosion limit:*

*no information available*

*Lower explosion limit:*

*no information available*

*Vapor pressure:*

*not applicable*

*Vapor density:*

*No information available.*

*Density:*

*2.6 g/cm<sup>3</sup>*

*Solubility in water:*

*miscible*

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

*no information available*

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*Auto-ignition temperature:*

*No information available.*

*Decomposition temperature:*

*not applicable*

*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:*

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## 10. Stability and Reactivity

### 10.1. Reactivity

*No information available.*

### 10.2. Chemical Stability

*Stable if used according to specifications.*

### 10.3. Possibility of Hazardous Reactions

*No information available.*

### 10.4. Conditions to Avoid

*Conditions to avoid:*

*No further information available.*

*Thermal decomposition:*

### 10.5. Incompatible Materials

*None known.*

### 10.6. Hazardous Decomposition Products

*In the event of fire: see part 5.*

### 10.7. Further Information

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## 11. Toxicological Information

### 11.1. Information on Toxicological Effects

*Acute Toxicity*

*LD50, oral:*

*> 5000 mg/kg*

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*LD50, dermal:*

*No information available.*

*LC50, inhalation:*

*No information available.*

*Primary effects*

*Irritant effect on skin:*

*Non irritating (rabbit)*

*Irritant effect on eyes:*

*Non-irritating to eyes (rabbit)*

*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.*

*Teratogenicity:*

*No relevant data found.*

*Specific target organ toxicity (STOT):*

*No relevant data found.*

*Additional toxicological information:*

*Aspiration hazard: no data available*

*Repeated overexposure to this compound may cause respiratory tract irritation.*

*Eye contact: dust particles can cause mechanical irritation.*

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## 12. Ecological Information

### 12.1. Aquatic Toxicity

*Fish toxicity:*

*No data available.*

*Daphnia toxicity:*

*No information available.*

*Bacteria toxicity:*

*No data available.*

*Algae toxicity:*

*No information available.*

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### 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*

*Behaviour in sewage systems:*

*Further ecological effects:*

*Do not let product enter waterways or sewage system.*

*AOX Value:*

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## 13. Disposal Considerations

### 13.1. Waste Treatment Methods

*Product:*

*Dispose according to the waste disposal guidelines 2008/98/EC.*

*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:*

*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*

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*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

*not applicable*

### 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 (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:*

### 15.2. Chemical Safety Assessment

*This product is not listed as SVHC-compound and does not contain any hazardous substances.*

### 15.3. Further Information

*EC. REACH, Annex XIV, Candidate List of Substances of very High Concern (SVHC): not regulated / not applicable  
Directive 2012/18/EU (Seveso III): product is not listed (Appendix I)*

## 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*

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*from the point of view of safety requirements. It should be therefore not be construed as guaranteeing specific properties.*