

# Safety Data Sheet

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



## 45020 Ultramarine Blue, reddish

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Revised edition: 24.07.2020

Version: 4

Printed: 17.03.2021

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

#### 1.1. Product Identifier

*Product Name:* Ultramarine Blue, reddish

*Article No.:* 45020

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

*Identified uses:*

*Pigment for the coloration of plastics, paper, food packaging, inks, paint, cosmetics.  
Industrial application*

*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:*

*Signal word:*

*Hazard designation:*

*Safety designation:*

*Hazardous components for labelling:*

*Not applicable.*

#### 2.3. Other Hazards

*May be slightly irritating to eyes. Frequent inhalation of dust over a*

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*long period of time increases the risk of developing lung diseases.  
May be slightly irritating to eyes.*

### 3. Composition/Information on Ingredients

#### 3.1. Substance

#### 3.2. Mixture

*Chemical Characterization:* Sodium-aluminium-sulfo-silicate. Pigment Blue 29, C.I. 77007

*Information on Components / Hazardous Ingredients:*

Silicic acid, aluminium sodium salt, sulfurized; REACH Reg. No. 01-2119488928-13-0002	80 - 100 %	CAS-Nr: 101357-30-6 (57455-37-5) EINECS-Nr: 309-928-3 EC-Nr:
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Kaolin	0 - 20 %	CAS-Nr: 1332-58-7 EINECS-Nr: 310-194-1 EC-Nr:
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*Additional information:*

### 4. First Aid Measures

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

*General information:*

*Seek medical attention in case of complaints.*

*After inhalation:*

*Take affected person to fresh air.*

*Consult physician if symptoms persist.*

*After skin contact:*

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

*If symptoms persist, consult a physician.*

*After eye contact:*

*Rinse open eye for several minutes under running water. Should irritation continue, seek medical advice.*

*After ingestion:*

*Do not induce vomiting.*

*Rinse mouth with water and drink plenty of water.*

*If symptoms persist, call a physician.*

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

*Symptoms:*

*Inhalation: frequent inhalation of dust over a long period of time increases the risk of developing lung diseases.*

*Skin contact: prolonged contact with dust may cause redness, skin irritation and dry skin.*

*Eye contact: can cause slight irritations.*

*Effects:*

*No further information available.*

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

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*Treatment:*

*Treat symptomatically.*

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### 5. Fire-Fighting Measures

#### 5.1. Extinguishing Media

*Suitable extinguishing media:*

*Use extinguishing media for surrounding fire.*

*Unsuitable extinguishing media:*

*Water spray.*

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

*Special hazards:*

*In case of fire: formation of sulfur dioxide.*

#### 5.3. Advice for Firefighters

*Protective equipment:*

*Wear positive pressure self-contained breathing apparatus (SCBA).*

*Respiratory protection may be required.*

*Further information:*

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### 6. Accidental Release Measures

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

*Personal precautions:*

*Wear protective clothing.*

*Avoid inhalation of dust and vapors.*

#### 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.*

*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 and deposition of dust. Provide adequate ventilation.*

*Provide adequate ventilation.*

*Earth all devices and apparatus.*

*Hygienic measures:*

*Keep away from foodstuffs and drinks.*

*Wash thoroughly after handling.*

*Use appropriate skin cream to prevent drying of skin.*

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

*Storage conditions:*

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

*Requirements for storage areas and containers:*

*No special measures necessary.*

*Information on fire and explosion protection:*

*Do not store together with: acids and inflammable products.*

*Storage class:*

*No information available.*

*Further Information:*

### 7.3. Specific End Use(s)

*Further information:*

*No information available.*

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## 8. Exposure Controls/Personal Protection

### 8.1. Parameters to be Controlled

*Parameters to be controlled (DE):*

*none known*

*Parameters to be controlled:*

*VME (FR): 5 mg/m<sup>3</sup> airborne fraction*

*VME (FR): 10 mg/m<sup>3</sup> inhalable fraction*

*Derived No-Effect Level (DNEL):*

*No values available.*

*Predicted No-Effect Concentration (PNEC):*

*No values available.*

*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:*

*Dust mask recommended when very dusty (with particle filter FFP1).*

*Hand protection:*

*Not required*

*Protective glove material:*

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*Eye protection:*

*Safety glasses (EN 166)*

*Body protection:*

*Protective clothing.*

*Environmental precautions:*

*Do not allow entering sewerage system.*

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### 9. Physical and Chemical Properties

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

<i>Form:</i>	<i>powder</i>
<i>Color:</i>	<i>blue</i>
<i>Odor:</i>	<i>odorless</i>
<i>Odor threshold:</i>	<i>No information available.</i>
<i>pH-Value:</i>	<i>7 - 9 (10 %)</i>
<i>Melting temperature:</i>	<i>not available</i>
<i>Boiling temperature:</i>	<i>not available</i>
<i>Flash point:</i>	<i>not flammable</i>
<i>Evaporation rate:</i>	<i>not applicable</i>
<i>Flammability (solid, gas):</i>	<i>not easily flammable</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>2.35 g/m<sup>3</sup></i>
<i>Solubility in water:</i>	<i>insoluble</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>&gt; 400°C (750°C)</i>

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*Viscosity, dynamic:*

*not applicable*

*Explosive properties:*

*Product does not present an explosion hazard.*

*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:*

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## 10. Stability and Reactivity

### 10.1. Reactivity

*Loss of sulphur above 400°C.*

### 10.2. Chemical Stability

*This product is extremely stable up to 350°C.*

### 10.3. Possibility of Hazardous Reactions

*Reacts with acids: development of hydrogen sulfide.*

### 10.4. Conditions to Avoid

*Conditions to avoid:*

*Protect from heat.*

*Thermal decomposition:*

*> 400°C*

### 10.5. Incompatible Materials

*Acids*

### 10.6. Hazardous Decomposition Products

*Hydrogen sulfide in case of contact with strong acids.  
Sulphur dioxide in case of fire.*

### 10.7. Further Information

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## 11. Toxicological Information

### 11.1. Information on Toxicological Effects

*Acute Toxicity*

*LD50, oral:*

*No information available.*

*LD50, dermal:*

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*No information available.*

*LC50, inhalation:*

*No information available.*

*Primary effects*

*Irritant effect on skin:*

*Non irritating*

*Irritant effect on eyes:*

*No information available.*

*Inhalation:*

*No information available.*

*Ingestion:*

*No information available*

*Sensitization:*

*No sensitizing effects known.*

*Mutagenicity:*

*Not mutagenic.*

*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:*

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## 12. Ecological Information

### 12.1. Aquatic Toxicity

*Fish toxicity:*

*LC50: > 32000 mg/kg (96h)*

*Daphnia toxicity:*

*EC50: > 90 % (24h)*

*Bacteria toxicity:*

*no information available*

*Algae toxicity:*

*No information available.*

### 12.2. Persistency and Degradability

*Not readily biodegradable.*

### 12.3. Bioaccumulation

*Low bioaccumulation due to the low solubility of the product.*

### 12.4. Mobility

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*No information available.*

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

*This product is neither a PBT or vPvB substance nor does it contain a PBT or vPvB substance.*

### 12. 6. Other Adverse Effects

*Water hazard class:*

*Not hazardous.*

*Behaviour in sewage systems:*

*Further ecological effects:*

*Not considered to be environmentally harmful.*

*AOX Value:*

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## 13. Disposal Considerations

### 13. 1. Waste Treatment Methods

*Product:*

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

*European Waste Code (EWC):*

*Uncleaned packaging:*

*Contaminated packaging must be disposed like the substance.*

*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:*

*Tunnel restriction code:*

*IMDG Class (sea):*

*not applicable*

*Hazard no.:*

*EmS No.:*

*IATA Class:*

*not applicable*

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*Hazard no.:*

**14. 4. Packaging Group**

*ADR/RID:*

*not applicable*

*IMDG:*

*IATA:*

**14. 5. Environmental Hazards**

*None*

**14. 6. Special Precautions for User**

*none known*

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

*not applicable*

**14. 8. Further Information**

*Do not transport together with acids.*

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**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:*

*Keep away from acids.*

*Technical instructions on air quality:*

**15. 2. Chemical Safety Assessment**

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

**15. 3. Further Information**

*Listed in the following inventories:*

*EINECS (EC)*

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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.*