

# Safety Data Sheet

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



## 76000 Dispersion K 498

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Revised edition: 28.05.2015

Version: 1.0

Printed: 16.07.2019

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

#### 1.1. Product Identifier

*Product Name:* Dispersion K 498

*Article No.:* 76000

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

*Identified uses:*

*Raw material  
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:*

*Not applicable.*

*Signal word:*

*Hazard designation:*

**EUH208**

**May produce an allergic reaction.**

*Safety designation:*

*Hazardous components for labelling:*

#### 2.3. Other Hazards

*EUH208: Contains 2-Methyl-2H-isothiazol-3-one; contains 1,2-*

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*Benzisothiazol-3(2H)-one. Can cause allergic reactions.*

### 3. Composition/Information on Ingredients

#### 3.1. Substance

#### 3.2. Mixture

*Chemical Characterization: Aqueous dispersion of a thermoplastic acrylic polymer.*

*Information on Components / Hazardous Ingredients:*

Ammonia, anhydrous (T,C,N; R10-23-34-50; H221-314-331-400, M-Factor 1); REACH-Reg.-Nr. 01-2119488876-14	< 0.5 %	CAS-Nr: 7664-41-7 EINECS-Nr: 231-635-3 EC-Nr:
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*Additional information:*

### 4. First Aid Measures

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

*General information:*

*Remove contaminated clothes.*

*After inhalation:*

*Supply fresh air.*

*After skin contact:*

*Remove contaminated clothing.*

*Wash off immediately with soap and plenty of water and rinse thoroughly.*

*After eye contact:*

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

*After ingestion:*

*Do NOT induce vomiting. Consult a doctor.*

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

*Symptoms:*

*Swallowing: may cause stomach irritation, nausea, vomiting and diarrhea.*

*Prolonged or repeated contact can irritate eyes and skin.*

*Effects:*

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

*Treatment:*

*No further information available.*

### 5. Fire-Fighting Measures

#### 5.1. Extinguishing Media

*Suitable extinguishing media:*

*Product itself does not burn.*

*Use extinguishing media for surrounding fire.*

*Unsuitable extinguishing media:*

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

*Special hazards:*

*In case of fire: hazardous gases/vapors may be released.*

### 5.3. Advice for Firefighters

*Protective equipment:*

*Wear self-contained respiratory protective device.*

*Further information:*

*Avoid contamination of sewage system, open water ways and ground water.*

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## 6. Accidental Release Measures

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

*Personal precautions:*

*Wear appropriate protective equipment. Keep spectators away.*

### 6.2. Environmental Precautions

*Environmental precautions:*

*Prevent contamination of soils, drains and surface water.  
Risk of clogging in case of polymer precipitation.*

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

*Methods and material:*

*Contain with absorbent material (sand, diatomaceous earth, acid binder, universal absorbent, saw dust) and dispose accordingly.*

### 6.4. Reference to other Sections

*Protective clothing, see Section 8.*

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## 7. Handling and Storage

### 7.1. Precautions for Safe Handling

*Instructions on safe handling:*

*Avoid contact with eyes, skin and clothing.  
Provide adequate ventilation.*

*Hygienic measures:*

*Do not eat or drink during work. Do not smoke.*

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

*Storage conditions:*

*Store in a cool and dry place.  
Protect from frost.  
Protect product from direct sunlight.*

*Requirements for storage areas and containers:*

*Store the product in the original container.*

*Information on fire and explosion protection:*

*No special measures necessary.  
Do not store together with ignitable and heat sources.*

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*Storage class:*

12; Non-combustible liquids (TRGS 510)

*Further Information:*

Storage temperature: 5 - 35°C

### 7.3. Specific End Use(s)

*Further information:*

The technical guidelines for the application of this product/mixture should be followed.

## 8. Exposure Controls/Personal Protection

### 8.1. Parameters to be Controlled

*Parameters to be controlled (DE):*

Ammonia, anhydrous (CAS 7664-41-7): TWA: 14 mg/m<sup>3</sup>, 20 ppm;  
STEL: 28 mg/m<sup>3</sup>, 40 ppm

*Parameters to be controlled:*

Ammonia, anhydrous (CAS 7664-41-7): TWA: 14 mg/m<sup>3</sup>, 20 ppm;  
STEL: 50 ppm, 36 mg/m<sup>3</sup> (GKV (AUS)); VLEP/GWBB (BE); TLV-TWA (USA, IT, GR); VLA (ES); TWA: 10 ppm, 7 mg/m<sup>3</sup>; STEL: 14 mg/m<sup>3</sup>, 20 ppm (VLEP (FR)); TWA: 17 mg/m<sup>3</sup>, 25 ppm; STEL: 24 mg/m<sup>3</sup>, 35 ppm (OEL (ZA), EH40 (UK)); STEL: 28 mg/m<sup>3</sup> (NDS (PL)); STEL: 36 mg/m<sup>3</sup> (MAC (NL)); TWA: 17 mg/m<sup>3</sup>, 25 ppm (PEL (MY)); TWA: 14 mg/m<sup>3</sup>; STEL: 36 mg/m<sup>3</sup> (AK (HU))

*Derived No-Effect Level (DNEL):*

Ammonia, anhydrous (7664-41-7)  
68 mg/kg (worker, skin contact, short/long-term exposition, systemic effects)  
47.6 mg/m<sup>3</sup> (worker, inhalation, long/short-term exposition - systemic effects)  
36 mg/m<sup>3</sup> (worker, inhalation, short-term exposition - local effect)  
14 mg/kg (worker, inhalation, long-term exposition, local effect)  
68 mg/kg (consumer, skin contact, short and long-term exposition, systemic)  
23.8 mg/m<sup>3</sup> (consumer, inhalation, short and long-term exposition - systemic)  
6.8 mg/m<sup>3</sup> (consumer, swallowing, short and long-term exposition - systemic)  
7.2 mg/m<sup>3</sup> (consumer, inhalation, short-term exposition - local effect)  
2.8 mg/kg (consumer, inhalation, long-term exposition, local effect)

*Predicted No-Effect Concentration (PNEC):*

Ammonia, anhydrous (7664-41-7):  
Fresh water / Seawater: 0.0011 mg/l  
Sporadic release: 0.0068 mg/l

*Additional Information:*

### 8.2. Exposure Controls

*Technical protective measures:*

Ensure adequate ventilation, especially in confined areas.

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

### *Personal Protection*

#### *General protective measures:*

*The usual precautionary measures are to be adhered to when handling chemicals.*

*Avoid contact with eyes and skin.*

*Remove contaminated clothing immediately.*

#### *Respiratory protection:*

*Not required.*

#### *Hand protection:*

*Protective gloves made of rubber.*

*Protective gloves should be changed regularly, especially after intensive contact with the product.*

#### *Protective glove material:*

*Nitrile rubber (480 min, 0.4 mm)*

#### *Eye protection:*

*Safety glasses (EN 166)*

#### *Body protection:*

*Protective clothing.*

#### *Environmental precautions:*

*Avoid contamination of sewage system, open water ways and ground water.*

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

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

<i>Form:</i>	<i>liquid</i>
<i>Color:</i>	<i>milky white</i>
<i>Odor:</i>	<i>like ester</i>
<i>Odor threshold:</i>	<i>not determined</i>
<i>pH-Value:</i>	<i>9 (20°C)</i>
<i>Melting temperature:</i>	<i>not determined</i>
<i>Boiling temperature:</i>	<i>not determined</i>
<i>Flash point:</i>	<i>not applicable</i>
<i>Evaporation rate:</i>	<i>No information available.</i>
<i>Flammability (solid, gas):</i>	<i>non-combustible</i>

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*Upper explosion limit:*

*no information available*

*Lower explosion limit:*

*no information available*

*Vapor pressure:*

*ca. 23 hPa (20°C)*

*Vapor density:*

*No information available.*

*Density:*

*0.9 - 1.1 g/cm<sup>3</sup> (20°C)*

*Solubility in water:*

*completely miscible*

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

*no information available*

*Auto-ignition temperature:*

*No information available.*

*Decomposition temperature:*

*No decomposition if used according to specifications.*

*Viscosity, dynamic:*

*> 500 mPa.s (25°C)*

*Explosive properties:*

*not applicable*

*Oxidizing properties:*

*none*

*Bulk density:*

*not applicable*

### 9.2. Further Information

*Solubility in solvents:*

*Viscosity, kinematic*

*Burning class:*

*Solvent content:*

*Solid content:*

*Particle size:*

*Other information:*

*No further information.*

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### 10. Stability and Reactivity

#### 10.1. Reactivity

*No decomposition if used according to specifications.*

#### 10.2. Chemical Stability

*The product is stable.*

#### 10.3. Possibility of Hazardous Reactions

*None if handled and stored according to specifications.*

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### 10.4. Conditions to Avoid

*Conditions to avoid:*

*Protect from frost, heat and direct sunlight.*

*Thermal decomposition:*

*Avoid heat.*

### 10.5. Incompatible Materials

*No information available.*

### 10.6. Hazardous Decomposition Products

*None if handled according to specifications.*

### 10.7. Further Information

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## 11. Toxicological Information

### 11.1. Information on Toxicological Effects

*Acute Toxicity*

*Ammonia, anhydrous (7664-41-7):*

*LD50, oral:*

*350 mg/kg (Ratte; OECD 401)*

*LD50, dermal:*

*not determined*

*LC50, inhalation:*

*not determined*

*Primary effects*

*Irritant effect on skin:*

*Causes severe burns (OECD 404)*

*Irritant effect on eyes:*

*Causes serious eye irritation.*

*Inhalation:*

*No information available.*

*Ingestion:*

*No information available*

*Sensitization:*

*Non sensitizing.*

*Mutagenicity:*

*In vitro Bacterial Reverse Mutation Test (OECD 471): negative*

*Reproductive toxicity:*

*No negative effects.*

*Carcinogenicity:*

*No relevant data found.*

*Teratogenicity:*

*No teratogenic effects expected.*

*Specific target organ toxicity (STOT):*

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*Single exposure: may cause respiratory irritation.*

*Repeated exposure: no information available.*

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*Additional toxicological information:*

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### 12. Ecological Information

#### 12.1. Aquatic Toxicity

*Fish toxicity:*

*Ammonia, anhydrous (7664-41-7): LC50: 0.8 mg/l (96h)*

*Daphnia toxicity:*

*Ammonia, anhydrous (7664-41-7): EC50: 24.4 mg/l (48h, Daphnia magna)*

*Bacteria toxicity:*

*Algae toxicity:*

#### 12.2. Persistency and Degradability

*98 % (OECD 302B)*

*Can be eliminated from water by chemical adsorption.*

#### 12.3. Bioaccumulation

*Bioaccumulation is not to be expected.*

#### 12.4. Mobility

*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:*

*Behaviour in sewage systems:*

*Further ecological effects:*

*No ecological data available.*

*AOX Value:*

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### 13. Disposal Considerations

#### 13.1. Waste Treatment Methods

*Product:*

*In accordance with current regulations, product may be taken to an incineration plant.*

*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*

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### 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

*not applicable*

### 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:*

*1, slightly 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:*

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### 15.2. Chemical Safety Assessment

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

### 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.*