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

1.1. Product Identifier

Product Name: Dispersion K 360
Article No.: 76101

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

Identified uses: Raw material for industrial purposes
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.de
EMail: info@kremer-pigmente.de
Importer: --

1.4. Emergency No.

Emergency No.: +49 7565 914480 (Mon-Fri 8:00 - 17:00)

2. Hazards Identification

2.1. Classification of the Substance or Mixture

Classification according to Regulation (EC) No. 1272/2008 (CLP/GHS)
Eye irritation, hazard category 2
H319 Causes serious eye irritation.
Cat.: 2

Classification according to Directive No. 67/548/EC or No. 1999/45/EC

Safety Phrases:
Possible Environmental Effects:

2.2. Label Elements

Classification according to Regulation (EC) No. 1272/2008 (CLP/GHS)

Hazard designation:

GHS07-1

Signal word: Warning

Hazard designation: H319 Causes serious eye irritation.
**Safety Data Sheet**

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

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**76101 Dispersion K 360**

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**Revision Information**

Revised edition: 03.07.2017
Version: 1.1
Printed: 27.07.2017

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**Safety Information**

**EUH208 May produce an allergic reaction.**

**Safety Designation:**

- **P264** Wash thoroughly after handling.
- **P280** Wear protective gloves/ clothing/ eye/ face protection.
- **P305+P351+P338** If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses and continue rinsing.
- **P337+P313** If eye irritation persists: Get medical advice/ attention.

**Hazardous Components for Labelling:**

2.3. Other Hazards

Contains 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one (3:1). Can cause allergic reactions. The treated product contains biocidal products.

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**Composition/Information on Ingredients**

3.1. Substance

3.2. Mixture

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

**Information on Components / Hazardous Ingredients:**

<table>
<thead>
<tr>
<th>Substance/Ingredient</th>
<th>Concentration</th>
<th>CAS-Nr</th>
<th>EINECS-Nr</th>
<th>EC-Nr</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fatty Alcohol Ether Sulphate (Xi; R36-41; H315-318)</td>
<td>&lt; 3 %</td>
<td>219756-63-5</td>
<td>EINECS-Nr:</td>
<td>EC-Nr:</td>
</tr>
<tr>
<td>Ammonia, anhydrous (T,C,N; R10-23-34-50; H221-314-331-400); REACH-Reg.-Nr. 01-2119488876-14</td>
<td>&lt; 0.1 %</td>
<td>7664-41-7</td>
<td>EINECS-Nr: 231-635-3</td>
<td>EC-Nr:</td>
</tr>
</tbody>
</table>

**Additional Information:**

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**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:** 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:

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.

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.

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.

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:
7.2. Conditions for Safe Storage, including any Incompatibilities

Storage conditions:
Store in a cool and dry place.
Protect from frost.

Requirements for storage areas and containers:
Store the product in the original container.

Information on fire and explosion protection:
No special measures necessary.

Storage class (VCI):
12; Non-combustible liquids

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):
TRGS 900
Ammonia, anhydrous (CAS 7664-41-7): TWA: 14 mg/m³, 20 ppm; STEL: 28 mg/m³, 40 ppm

Parameters to be controlled:
Ammonia, anhydrous (CAS 7664-41-7): TWA: 14 mg/m³, 20 ppm; STEL: 50 ppm, 36 mg/m³ (GKV (AUS); VLEP/GWBB (BE); TLV-TWA (USA, IT, GR); VLA (ES); TWA: 10 ppm, 7 mg/m³; STEL: 14 mg/m³, 20 ppm (VLEP (FR)); TWA: 17 mg/m³, 25 ppm; STEL: 24 mg/m³, 35 ppm (OEL (ZA), EH40 (UK); STEL: 28 mg/m³ (NDS (PL)); STEL: 36 mg/m³ (MAC (NL)); TWA: 17 mg/m³, 25 ppm (PEL (MY); TWA: 14 mg/m³; STEL: 36 mg/m³ (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/m³ (worker, inhalation, long/short-term exposition - systemic effects)
36 mg/m³ (worker, inhalation, short-term exposition - local effect)
14 mg/kg (consumer, inhalation, long-term exposition - local effects)
68 mg/kg (consumer, skin contact, short and long-term exposition, systemic)
23.8 mg/m³ (consumer, inhalation, short and long-term exposition - systemic)
6.8 mg/m³ (consumer, swallowing, short and long-term exposition - systemic)
Safety Data Sheet
According to regulation (EC) No. 1907/2006 (REACH)

76101 Dispersion K 360

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**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:

**Exposure Controls**

**Technical protective measures:**

Ensure adequate ventilation, especially in confined areas.

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

**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:**

In case of formation of dust/vapor.

Respiratory equipment required in case of insufficient ventilation, filter type A.

**Hand protection:**

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

**Protective glove material:**

Nitrile rubber (480 min, 0.4 mm)

Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact, chemical resistance of glove material and dexterity. Always seek advice from glove suppliers.

**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

**Form:** liquid

**Color:** whitish

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Odor: ester-like

Odor threshold: No information available.

pH-Value: 2 - 2.5 (20°C)

Melting temperature: not determined

Boiling temperature: not determined

Flash point: not applicable

Evaporation rate: No information available.

Flammability (solid, gas): non-combustible

Upper explosion limit: no information available

Lower explosion limit: no information available

Vapor pressure: 23 hPa (20°C)

Vapor density: No information available.

Density: 0.9 - 1.1 g/cm³ (20°C)

Solubility in water: completely miscible

Coefficient of variation (n-Octanol/Water): no information available

Auto-ignition temperature: No information available.

Decomposition temperature: not applicable

Viscosity, dynamic: < 3000 mPa.s (20°C)

Explosive properties: not applicable

Oxidizing properties: none

Bulk density: not applicable

9.2. Further Information

Solubility in solvents:

Viscosity, kinematic
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.

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

11. Toxicological Information

11.1. Information on Toxicological Effects

Acute Toxicity

LD50, oral:

Fatty Alcohol Ether Sulphate: LD50: > 2000 mg/kg (OECD 401)
Ammonia, anhydrous (7664-41-7): 350 mg/kg (rat)

LD50, dermal:

not determined

LC50, inhalation:

not determined

Primary effects

Irritant effect on skin:

Fatty Alcohol Ether Sulphate: not irritating (rabbit; OECD 404)
Ammonia, anhydrous (7664-41-7):
Causes severe burns (OECD 404)

Irritant effect on eyes:

Fatty alcohol ether sulphate: irritating (OECD 405)
Ammonia, anhydrous (7664-41-7):
Causes serious eye irritation.

Inhalation: No information available.

Ingestion: No information available

Sensitization: No sensitizing effects known.

Mutagenicity: Fatty Alcohol Ether Sulphate: In vitro genetic-toxicity: Ames-Test negative
Ammonia, anhydrous (7664-41-7):
In vitro Bacterial Reverse Mutation Test (OECD 471): negative

Reproductive toxicity: No relevant data found.

Carcinogenicity: No relevant data found.

Teratogenicity: No information available.

Specific target organ toxicity (STOT):
Ammonia, anhydrous (7664-41-7):
Single exposure: may cause respiratory irritation.
Repeated exposure: no information available.

Additional toxicological information:

12. Ecological Information

12.1. Aquatic Toxicity

Fish toxicity:
Fatty Alcohol Ether Sulphate: LC50: 227 mg/kg (96h, Danio rerio; OECD 203)
Ammonia, anhydrous (7664-41-7): LC50: 0.8 mg/l (96h)
LOEC: 0.05 mg/l (96h, Onchorhynchus mykiss)

Daphnia toxicity:
Fatty Alcohol Ether Sulphate: EC50: > 100 mg/kg (Daphnia magna; OECD 202)
Ammonia, anhydrous (7664-41-7): EC50: 24.4 mg/l (48h, Daphnia magna)
NOEC: 0.79 mg/l (96h, Daphnia magna); LOEC: 1.3 mg/l (96h, Daphnia magna); LC50: 4.07 mg/l (96h, Daphnia magna)

Bacteria toxicity:
Algae toxicity:

12.2. Persistence and Degradability

98 % (OECD 302B)
Can be eliminated from water by chemical adsorption.
Bioaccumulation 12.3.

Bioaccumulation is not to be expected.

Mobility 12.4.

No information available.

Results of PBT- und vPvP Assessment 12.5.

This mixture does not comply with the criteria for the classification as PBT or vPvB, according to Annex VIII of Regulation (EC) No. 1907/2006 (REACH).

Other Adverse Effects 12.6.

Water hazard class:

Behaviour in sewage systems:

Further ecological effects:

No ecological data available.

Disposal Considerations 13.

Waste Treatment Methods 13.1.

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.

Transport Information 14.

UN Number 14.1.

ADR, IMDG, IATA

UN Proper Shipping Name 14.2.

ADR/RID:

No hazardous goods according to ADR (land transportation).

IMDG/IATA:

No hazardous goods according to IMDG.

Transport Hazard Classes 14.3.

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

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:

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.