

# Safety Data Sheet



According to Regulation (EC) No 1907/2006, Annex II,

Amended by COMMISSION REGULATION (EU) 2015/830,

According to REGULATION (EC) No 1272/2008

Revised date: 02/03/2022

EFSH20090921-CG-03+Rev2

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

- **1.1 Product identifier**
- **Trade name:** Maped extruded color pencils X48 colors
- **Registration number:** Data not available
- **Other means of identification:** Data not available
- **1.2 Relevant identified uses of the substance or mixture and uses advised against on**
- **Application of the substance/ mixture:** Writing.
- **Uses advised against:** All other uses.
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
SuZhouMaped Office Supplies MFG. Co., Ltd.  
NO.539 Nan bang road.215300 Kunshan City,Jiangsu Province,P.R.C  
**Tel:** +86-0512-57300288  
**Email:** Quality@maped.com.cn
- **Only Representative/other EU contact point:** No information available.
- **Further information obtainable from:** SuZhouMaped Office Supplies MFG. Co., Ltd.
- **1.4 Emergency telephone number**
- General in EU**
- Tel: 112 (Available 24 hours a day)**

## SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- Classification according to regulation (EC) 1272/2008:** The product is not classified according to CLP Regulation.
- **Classification system:**  
The classification is according to the latest edition of Regulation 1272/2008, and extended by company and literature data.
- **2.2 Label elements**
- **Labeling according to Regulation (EC) No 1272/2008:** The product is not labelled according to CLP Regulation.
- **Hazard pictograms:** Not applicable
- **Signal word:** Not applicable
- **Hazard-determining components of labelling:** Not applicable
- **Hazard statements:** Not applicable
- **Precautionary statement:** Not applicable
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- PBT:** Not applicable
- vPvB:** Not applicable

## SECTION 3: Composition/information on ingredients

- **3.1 Chemical characterization:** Mixture

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Shanghai, China

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1 / 10

• **Description:** Mixture of the substances listed below with nonhazardous additions.

| Substance                                                               | CAS No.    | Index No. | EC No.    | Conc. w/w | CLP Classification | SCL/M-factor |
|-------------------------------------------------------------------------|------------|-----------|-----------|-----------|--------------------|--------------|
| Talc (Mg <sub>3</sub> H <sub>2</sub> (SiO <sub>3</sub> ) <sub>4</sub> ) | 14807-96-6 | -         | 238-877-9 | 35%-45%   | None               | -            |
| Polystyrene                                                             | 9003-53-6  | -         | 500-008-9 | 10%-15%   | None               | -            |
| Polyethylene                                                            | 9002-88-4  | -         | -         | 6%-15%    | None               | -            |
| 1,3-Butadiene/styrene copolymers                                        | 9003-55-8  | -         | -         | 5%-10%    | None               | -            |
| Calcium distearate                                                      | 1592-23-0  | -         | 216-472-8 | 1%-5%     | None               | -            |
| Zinc distearate                                                         | 557-05-1   | -         | 209-151-9 | 1%-5%     | None               | -            |
| N,N'-ethylenedi(stearamide)                                             | 110-30-5   | -         | 203-755-6 | 1%-5%     | None               | -            |
| Stearic acid                                                            | 57-11-4    | -         | 200-313-4 | 1%-2%     | None               | -            |
| <b>May contains:</b>                                                    |            |           |           |           |                    |              |
| Pigment red 170                                                         | 2786-76-7  | -         | 220-509-3 | 5%-10%    | None               | -            |
| Pigment yellow 13                                                       | 5102-83-0  | -         | 225-822-9 | 5%-10%    | None               | -            |
| Pigment orange 34                                                       | 15793-73-4 | -         | 239-898-6 | 5%-10%    | None               | -            |
| Pigment green 7                                                         | 1328-53-6  | -         | 215-524-7 | 5%-10%    | None               | -            |
| Rutile (TiO <sub>2</sub> )                                              | 1317-80-2  | -         | 215-282-2 | 0%-0.9%   | None               | -            |
| Pigment blue 15                                                         | 147-14-8   | -         | 205-685-1 | 3%-7%     | None               | -            |
| Iron oxide red                                                          | 1332-37-2  | -         | 215-570-8 | 2%-5%     | None               | -            |
| Carbon black                                                            | 1333-86-4  | -         | 215-609-9 | 2%-5%     | None               | -            |
| Pigment yellow 14                                                       | 5468-75-7  | -         | 226-789-3 | 1%-5%     | None               | -            |
| Pigment red 53                                                          | 2092-56-0  | -         | 218-248-5 | 1%-5%     | None               | -            |
| Pigment violet 23                                                       | 6358-30-1  | -         | 228-767-9 | 1%-3%     | None               | -            |
| Pigment red 122                                                         | 980-26-7   | -         | 213-561-3 | 1%-3%     | None               | -            |

## SECTION 4: First aid measures

### • 4.1 Description of first aid measures

**General advice:** No special immediate medical required.

**After inhalation:** Supply with fresh air. Get medical attention if you feel unwell.

**After skin contact:** No special measures required normally, If there are signs of irritation or other symptoms seek medical attention.

**After eye contact:** Rinse eyes with water. If eye irritation occurs: Get medical advice/attention.

**After swallowing:** Wash mouth. Get medical attention if you feel unwell.

• **4.2 Most important symptoms and effects, both acute and delayed:** There are not any known symptoms or effects.

• **4.3 Indication of any immediate medical attention and special treatment needed:** No special immediate medical attention or special treatment needed.

## SECTION 5: Fire-fighting measures

### • 5.1 Extinguishing media

• **Suitable extinguishing agents:** Use CO<sub>2</sub>, chemical powder, water spray or alcohol resistant foam to extinguish.

• **Unsuitable extinguishing media:** Water with full jet.

• **5.2 Special hazards arising from the substance or mixture:** No special hazards arising from the mixture.

### • 5.3 Advice for firefighters

**Protective equipment:** Wear an approved positive pressure self-contained breathing apparatus (Comply with EN 133).

## SECTION 6: Accidental release measures

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2 / 10

• **6.1 Personal precautions, protective equipment and emergency procedures:**

Cut off leakage source and collect spillage timely; Ensure adequate ventilation; Avoid dust formation; Avoid contact with eyes.

• **6.2 Environmental precautions:**

Prevent further leakage or spillage if safe to do so; Prevent spillage from entering drains, sewer, basement or confined areas; if the spillage contaminates rivers, lakes or drains inform respective authorities.

• **6.3 Methods and material for containment and cleaning up:**

Sweep up and shovel into suitable containers for disposal; Ensure good ventilation; Avoid dust formation; Dispose contaminated material as waste according to section 13.

• **6.4 Reference to other sections:**

See section 7 for information on safe handling; See section 8 for information on personal protection equipment; See section 13 for disposal in formation.

## SECTION 7: Handling and storage

• **7.1 Precautions for safe handling:** Ensure adequate ventilation at workplace; Avoid dust formation; Avoid contact with eyes.

• **Information about fire and explosion protection:** Normal measures for preventive fire protection.

• **7.2 Conditions for safe storage, including any non-compatibility**

• **Requirements to be met by storerooms and receptacles:** Store in a cool, dry and well-ventilated place.

• **Information about storage in one common storage facility:** No further requirements.

• **Further information about storage conditions:** No further requirements.

• **7.3 Specific end use(s):** See section 1.2.

## SECTION 8: Exposure controls/personal protection

• **8.1 Control parameters**

• **Ingredients with limit values that require monitoring at the workplace:**

| Country                                                                            | Limit value - Eight hours                                                             | Limit value - Short term                                                                                                           |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| 14807-96-6 Talc (Mg <sub>3</sub> H <sub>2</sub> (SiO <sub>3</sub> ) <sub>4</sub> ) |                                                                                       |                                                                                                                                    |
| Austria                                                                            | 2 mg/m <sup>3</sup> Respirable aerosol                                                | -                                                                                                                                  |
| Belgium                                                                            | 2 mg/m <sup>3</sup> Asbestos free ;Respirable fraction                                | -                                                                                                                                  |
| Denmark                                                                            | 0.3 mg/m <sup>3</sup> Respirable aerosol                                              | 0.6 mg/m <sup>3</sup> Respirable aerosol                                                                                           |
| Finland                                                                            | 0.5 mg/m <sup>3</sup> Fibres/cm <sup>3</sup>                                          | 2ppm; 15 minutes average value ; Inhalable fraction; particles;<br>1ppm; 15 minutes average value; Respirable fraction ; particles |
| Hungary                                                                            | 2 mg/m <sup>3</sup> Respirable aerosol                                                | -                                                                                                                                  |
| Ireland                                                                            | 10 mg/m <sup>3</sup> Inhalable fraction;<br>0.8 mg/m <sup>3</sup> Respirable fraction | -                                                                                                                                  |
| Latvia                                                                             | 4 mg/m <sup>3</sup>                                                                   |                                                                                                                                    |
| Spain                                                                              | 2 mg/m <sup>3</sup> Respirable aerosol                                                | -                                                                                                                                  |
| Sweden                                                                             | 2 mg/m <sup>3</sup> Inhalable aerosol;<br>1 mg/m <sup>3</sup> Respirable aerosol      | -                                                                                                                                  |
| United Kingdom                                                                     | 1 mg/m <sup>3</sup> Respirable aerosol                                                | -                                                                                                                                  |
| 557-05-1 Zinc distearate                                                           |                                                                                       |                                                                                                                                    |
| Finland                                                                            | 10 mg/m <sup>3</sup>                                                                  | -                                                                                                                                  |
| France                                                                             | 10 mg/m <sup>3</sup> Respirable aerosol                                               | -                                                                                                                                  |
| Ireland                                                                            | 10 mg/m <sup>3</sup> Inhalable fraction;<br>4 mg/m <sup>3</sup> Respirable fraction   | 20 mg/m <sup>3</sup> Inhalable fraction;15 minutes reference period                                                                |
| United Kingdom                                                                     | 10 mg/m <sup>3</sup> Inhalable fraction;                                              | 20 mg/m <sup>3</sup> Inhalable fraction                                                                                            |

|                                |                                        |                                    |                     |
|--------------------------------|----------------------------------------|------------------------------------|---------------------|
|                                | 4 mg/m³Respirable fraction             |                                    |                     |
| 147-14-8 Pigment blue 15       |                                        |                                    |                     |
| Latvia                         | 5 mg/m³                                | -                                  |                     |
| 1333-86-4 Carbon black         |                                        |                                    |                     |
| Belgium                        | 3.5 mg/m³                              | -                                  |                     |
| Denmark                        | 3.5 mg/m³                              | 7.0 mg/m³                          |                     |
| Finland                        | 3.5 mg/m³                              | 7 mg/m³ 15 minutes average value   |                     |
| France                         | 3.5 mg/m³                              | -                                  |                     |
| Ireland                        | 3.5 mg/m³                              | 7 mg/m³15 minutes reference period |                     |
| Spain                          | 3.5 mg/m³                              | -                                  |                     |
| Sweden                         | 3 mg/m³                                | -                                  |                     |
| United Kingdom                 | 3.5 mg/m³                              | 7 mg/m³                            |                     |
| • DNELs:                       |                                        |                                    |                     |
| DNEL type                      |                                        | DNEL worker value                  | DNEL consumer value |
| 14807-96-6 Talc (Mg3H2(SiO3)4) |                                        |                                    |                     |
| Systemic effects               | Long-term, inhalation exposure         | 2.16 mg/m³                         | 1.08 mg/m³          |
|                                | Acute /short term, inhalation exposure | 2.16 mg/m³                         | 1.08 mg/m³          |
|                                | Long-term, dermal exposure             | 43.2 mg/kg bw/day                  | 21.6 mg/kg          |
|                                | Long-term, oral exposure               | -                                  | 160 mg/kg bw/day    |
|                                | Acute /short term, oral exposure       | -                                  | 160 mg/kg bw/day    |
| Local effects                  | Long-term, inhalation exposure         | 3.6 mg/m³                          | 1.8 mg/m³           |
|                                | Acute /short term, inhalation exposure | 3.6 mg/m³                          | 1.8 mg/m³           |
|                                | Long-term, dermal exposure             | 4.54 mg/cm²                        | 2.27 mg/cm²         |
| 1592-23-0 Calcium distearate   |                                        |                                    |                     |
| Systemic effects               | Long-term, inhalation exposure         | 32.9 mg/m³                         | 5.8 mg/m³           |
|                                | Long-term, dermal exposure             | 9.33 mg/kg bw/day                  | 3.33 mg/kg bw/day   |
|                                | Long-term, oral exposure               | -                                  | 3.33 mg/kg bw/day   |
| Local effects                  | Long-term, dermal exposure             | 172 µg/cm²                         | 86 µg/cm²           |
| 557-05-1 Zinc distearate       |                                        |                                    |                     |
| Systemic effects               | Long-term, inhalation exposure         | 16.4 mg/m³                         | 2.9 mg/m³           |
|                                | Long-term, dermal exposure             | 4.67 mg/kg bw/day                  | 1.67 mg/kg bw/day   |
|                                | Long-term, oral exposure               | -                                  | 1.67 mg/kg bw/day   |
| 57-11-4 Stearic acid           |                                        |                                    |                     |
| Systemic effects               | Long-term, inhalation exposure         | 17.632 mg/m³                       | 4.348 mg/m³         |
|                                | Long-term, dermal exposure             | 10 mg/kg bw/day                    | 5 mg/kg bw/day      |
|                                | Long-term, oral exposure               | -                                  | 2.5 mg/kg bw/day    |
| 1317-80-2 Rutile (TiO2)        |                                        |                                    |                     |
| Systemic effects               | Long-term, oral exposure               | -                                  | 700 mg/kg bw/day    |
| 147-14-8 Pigment blue 15       |                                        |                                    |                     |
| Systemic effects               | Long-term, inhalation exposure         | 4 mg/m³                            | -                   |
|                                | Long-term, dermal exposure             | 450 mg/kg bw/day                   | 225 mg/kg bw/day    |
|                                | Long-term, oral exposure               | -                                  | 45 mg/kg bw/day     |
| 1333-86-4 Carbon black         |                                        |                                    |                     |
| Systemic effects               | Long-term, inhalation exposure         | 1 mg/m³                            | Systemic Effects    |
| Local effects                  | Long-term, inhalation exposure         | 500 µg/m³                          | Local Effects       |
| • PNECs:                       |                                        |                                    |                     |
| PNEC type                      |                                        | Value                              |                     |
| 14807-96-6 Talc (Mg3H2(SiO3)4) |                                        |                                    |                     |

|                                      |                         |
|--------------------------------------|-------------------------|
| Freshwater                           | 597.97 mg/L             |
| Intermittent releases (freshwater)   | 597.97 mg/L             |
| Marine water                         | 141.26 mg/L             |
| Sediment (freshwater)                | 31.33 mg/kg sediment dw |
| Sediment (marine water)              | 3.13 mg/kg sediment dw  |
| 1592-23-0 Calcium distearate         |                         |
| Freshwater                           | 30 µg/L                 |
| Intermittent releases (freshwater)   | 1 mg/L                  |
| Marine water                         | 3 µg/L                  |
| Intermittent releases (marine water) | 100 µg/L                |
| Sewage treatment plant (STP)         | 100 mg/L                |
| Sediment (freshwater)                | 303 µg/kg sediment dw   |
| Sediment (marine water)              | 30.3 µg/kg sediment dw  |
| 557-05-1 Zinc distearate             |                         |
| Freshwater                           | 3.4 g/L                 |
| Intermittent releases (freshwater)   | 4.13 µg/L               |
| Marine water                         | 340 ng/L                |
| Intermittent releases (marine water) | 413 ng/L                |
| Sediment (freshwater)                | 526 µg/kg sediment dw   |
| Sediment (marine water)              | 52.6 µg/kg sediment dw  |
| 1317-80-2 Rutile (TiO <sub>2</sub> ) |                         |
| Freshwater                           | 127 µg/L                |
| Intermittent releases (freshwater)   | 610 µg/L                |
| Marine water                         | 1 mg/L                  |
| Sewage treatment plant (STP)         | 100 mg/L                |
| Sediment (freshwater)                | 1 000 mg/kg sediment dw |
| Sediment (marine water)              | 100 mg/kg sediment dw   |
| 147-14-8 Pigment blue 15             |                         |
| Sediment (freshwater)                | 10 mg/kg sediment dw    |
| Sediment (marine water)              | 1 mg/kg sediment dw     |
| 1333-86-4 Carbon black               |                         |
| Freshwater                           | 1-50 mg/L               |
| Intermittent releases (freshwater)   | 10 mg/L                 |
| Marine water                         | 100 µg/L                |
| Intermittent releases (marine water) | 1 mg/L                  |

• **Additional information:** The lists valid during the marking were used as basis.

• **8.2 Exposure controls**

• **Based on the composition shown in section 3, the following measures are suggested for occupational safety measure.**

• **Appropriate engineering controls:**

Handle in accordance with good industrial hygiene and safety practice; Wash hands and face before breaks and at the end of work;  
See section 7 for information about design of technical facilities.

• **Personal protective equipment**

• **Respiration protection:** Dust mask is recommended.

• **Protection of hands:** No special protection of hands required.

• **Eye protection:** No special eye protection required.

• **Environmental exposure controls:**

Control measures must be made in accordance with Community environmental protection legislation.

## SECTION 9: Physical and chemical properties

### • 9.1 Information on basic physical and chemical properties

#### • Appearance:

|                                           |                     |
|-------------------------------------------|---------------------|
| Form                                      | Solid               |
| Color                                     | Colorful, 48 Colors |
| Odor                                      | Odorless            |
| Odor threshold                            | Not applicable      |
| • pH-value                                | Not determined      |
| • Change in condition                     |                     |
| Melting point/melting range               | Not determined      |
| Boiling point and boiling range           | Not determined      |
| • Freezing point                          | Not determined      |
| • Flash point                             | Not applicable      |
| • Flammability (solid, gas)               | Not flammable solid |
| • Decomposition temperature               | Not determined      |
| • Self-ignition                           | Not determined      |
| • Danger of explosion                     | Not determined      |
| • Explosion limits                        |                     |
| Lower:                                    | Not determined      |
| Upper:                                    | Not determined      |
| • Oxidizing properties                    | Not determined      |
| • Vapor pressure                          | Not determined      |
| • Density                                 | Not determined      |
| • Relative density                        | Not determined      |
| • Vapor density                           | Not determined      |
| • Evaporation rate                        | Not determined      |
| • Solubility in/Miscibility with          |                     |
| Water                                     | Not determined      |
| • Partition coefficient (n-octanol/water) | Not determined      |
| • Viscosity                               |                     |
| Dynamic                                   | Not applicable      |
| Kinematic                                 | Not applicable      |
| • 9.2 Other information                   | Not determined      |

## SECTION 10: Stability and reactivity

- **10.1 Reactivity:** No decomposition if used according to specification.
- **10.2 Chemical stability:** Stable under recommended storage conditions.
- **10.3 Possibility of hazardous reactions:** No known hazardous reaction.
- **10.4 Conditions to avoid:** No special avoid conditions.
- **10.5 Incompatible materials:** Acid.
- **10.6 Hazardous decomposition products:** No known hazardous decomposition products.

## SECTION 11: Toxicological information

• **11.1 Information on toxicological effects**

• **Acute toxicity:** Based on available data, the classification criteria are not met.

**LD50/LC50 values relevant for classification:**

9002-88-4 Polyethylene

|       |                 |                             |
|-------|-----------------|-----------------------------|
| Mouse | LC50-inhalation | 12000mg/m <sup>3</sup> /30M |
|-------|-----------------|-----------------------------|

1592-23-0 Calcium distearate

|       |           |             |
|-------|-----------|-------------|
| Mouse | LD50-oral | >10000mg/kg |
|-------|-----------|-------------|

|     |           |             |
|-----|-----------|-------------|
| Rat | LD50-oral | >10000mg/kg |
|-----|-----------|-------------|

557-05-1 Zinc distearate

|     |           |             |
|-----|-----------|-------------|
| Rat | LD50-oral | >10000mg/kg |
|-----|-----------|-------------|

|       |           |             |
|-------|-----------|-------------|
| Mouse | LD50-oral | >10000mg/kg |
|-------|-----------|-------------|

57-11-4 Stearic acid

|        |           |            |
|--------|-----------|------------|
| Rabbit | LD50-skin | >5000mg/kg |
|--------|-----------|------------|

5102-83-0 Pigment yellow 13

|     |           |            |
|-----|-----------|------------|
| Rat | LD50-oral | >5000mg/kg |
|-----|-----------|------------|

147-14-8 Pigment blue 15

|     |           |             |
|-----|-----------|-------------|
| Rat | LD50-oral | >15000mg/kg |
|-----|-----------|-------------|

1333-86-4 Carbon black

|        |           |            |
|--------|-----------|------------|
| Rabbit | LD50-skin | >3000mg/kg |
|--------|-----------|------------|

|     |           |             |
|-----|-----------|-------------|
| Rat | LD50-oral | >15400mg/kg |
|-----|-----------|-------------|

5468-75-7 Pigment yellow 14

|     |           |            |
|-----|-----------|------------|
| Rat | LD50-oral | >5000mg/kg |
|-----|-----------|------------|

980-26-7 Pigment red 122

|        |           |            |
|--------|-----------|------------|
| Rabbit | LD50-skin | >3000mg/kg |
|--------|-----------|------------|

|     |           |             |
|-----|-----------|-------------|
| Rat | LD50-oral | >23000mg/kg |
|-----|-----------|-------------|

Remark: All the above data are from literature.

• **Skin corrosion/irritation:** Based on available data, the classification criteria are not met.

• **Serious eyes damage/ irritation:** Based on available data, the classification criteria are not met.

• **Respiratory or skin sensitization:** Based on available data, the classification criteria are not met.

• **Germ cell mutagenicity:** Based on available data, the classification criteria are not met.

• **Carcinogenicity:** Based on available data, the classification criteria are not met.

• **Reproductive toxicity:** Based on available data, the classification criteria are not met.

• **STOT-single exposure:** Based on available data, the classification criteria are not met.

• **STOT-repeated exposure:** Based on available data, the classification criteria are not met.

• **Aspiration hazard:** Based on available data, the classification criteria are not met.

## SECTION 12: Ecological information

• **12.1 Toxicity**

• **Aquatic toxicity:** Not hazardous to the aquatic environment.

**LC50/EC50/NOEC values relevant for classification:**

14807-96-6 Talc (Mg<sub>3</sub>H<sub>2</sub>(SiO<sub>3</sub>)<sub>4</sub>)

|                             |                                |
|-----------------------------|--------------------------------|
| Short-term toxicity to fish | LC50 (4 days) 89.581 - 110 g/L |
|-----------------------------|--------------------------------|

|                            |                                 |
|----------------------------|---------------------------------|
| Long-term toxicity to fish | NOEC (30 days) 1.413 - 5.98 g/L |
|----------------------------|---------------------------------|

|                                              |                        |
|----------------------------------------------|------------------------|
| Short-term toxicity to aquatic invertebrates | LC50 (48 h) 36.812 g/L |
|----------------------------------------------|------------------------|

|                                                              |                    |                                                             |
|--------------------------------------------------------------|--------------------|-------------------------------------------------------------|
| Long-term toxicity to aquatic invertebrates                  |                    | NOEC (30 days) 1.46 g/L                                     |
| Toxicity to aquatic algae and cyanobacteria                  |                    | EC50 (4 days) 7.203 g/L<br>NOEC (30 days) 918.089 mg/L      |
| 1592-23-0 Calcium distearate                                 |                    |                                                             |
| Short-term toxicity to fish                                  |                    | LC50 (4 days) 15 - 513.188 mg/L                             |
| Short-term toxicity to aquatic invertebrates                 |                    | EC50 (48 h) 5 - 166.3 mg/L<br>LC50 (48 h) 454 mg/L          |
| Toxicity to aquatic algae and cyanobacteria                  |                    | EC50 (72 h) 4.1 - 344.481 mg/L<br>NOEC (72 h) 4.1 - 56 mg/L |
| Toxicity to microorganisms                                   |                    | EC50 (15 min) 75.387 mg/L                                   |
| 57-11-4 Stearic acid                                         |                    |                                                             |
| Short-term toxicity to fish                                  |                    | LC50 (48 h) 10 g/L                                          |
| Short-term toxicity to aquatic invertebrates                 |                    | EC50 (48 h) 4.8 mg/L<br>NOEC (48 h) 4.8 mg/L                |
| 5102-83-0 Pigment yellow 13                                  |                    |                                                             |
| Short-term toxicity to aquatic invertebrates                 |                    | EC50 (24 h) 1 g/L<br>NOEC (48 h) 100 mg/L                   |
| Toxicity to aquatic algae and cyanobacteria                  |                    | EC50 (72 h) 100 mg/L<br>NOEC (72 h) 100 mg/L                |
| 1328-53-6 Pigment green 7                                    |                    |                                                             |
| Short-term toxicity to fish                                  |                    | LC50 (4 days) 752.4 mg/L                                    |
| Short-term toxicity to aquatic invertebrates                 |                    | EC50 (48 h) 500 mg/L                                        |
| Long-term toxicity to aquatic invertebrates                  |                    | NOEC (21 days) 1 mg/L                                       |
| Toxicity to aquatic algae and cyanobacteria                  |                    | EC50 (72 h) 100 mg/L                                        |
| Toxicity to microorganisms                                   |                    | EC50 (30 min) 10 g/L                                        |
| 1317-80-2 Rutile (TiO2)                                      |                    |                                                             |
| Short-term toxicity to fish                                  |                    | LC50 (4 days) 100 - 10 000 mg/L<br>NOEC (14 days) 1 mg/L    |
| Short-term toxicity to aquatic invertebrates                 |                    | EC50 (48 h) 1 g/L<br>LC50 (48 h) 10 - 10 000 mg/L           |
| Toxicity to aquatic algae and cyanobacteria                  |                    | EC50 (72 h) 16 - 10 000 mg/L<br>NOEC (72 h) 1 - 5 600 mg/L  |
| Toxicity to microorganisms                                   |                    | EC50 (3 h) 1 g/L<br>NOEC (3 h) 1 g/L                        |
| 147-14-8 Pigment blue 15                                     |                    |                                                             |
| Short-term toxicity to fish                                  |                    | LC50 (4 days) 100 - 355.6 mg/L                              |
| Short-term toxicity to aquatic invertebrates                 |                    | EC50 (48 h) 500 mg/L                                        |
| Long-term toxicity to aquatic invertebrates                  |                    | NOEC (21 days) 1 mg/L                                       |
| Toxicity to aquatic algae and cyanobacteria                  |                    | EC50 (72 h) 100 mg/L                                        |
| Toxicity to microorganisms                                   |                    | EC50 (3 h) 10 g/L                                           |
| 1333-86-4 Carbon black                                       |                    |                                                             |
| Short-term toxicity to aquatic invertebrates                 |                    | EC50 (24 h) 5.6 g/L<br>NOEC (24 h) 3.2 g/L                  |
| Toxicity to aquatic algae and cyanobacteria                  |                    | EC50 (72 h) 10 g/L<br>NOEC (72 h) 10 g/L                    |
| • 12.2 Persistence and degradability: Readily biodegradable. |                    |                                                             |
| 1592-23-0                                                    | Calcium distearate | Readily biodegradable in water                              |
| 57-11-4                                                      | Stearic acid       | Readily biodegradable in water                              |
| • 12.3 Bio-accumulative potential: Low bio-accumulation.     |                    |                                                             |

|            |                                                                         |                                              |
|------------|-------------------------------------------------------------------------|----------------------------------------------|
| 14807-96-6 | Talc (Mg <sub>3</sub> H <sub>2</sub> (SiO <sub>3</sub> ) <sub>4</sub> ) | Log Pow= -9.4 at 25 °C and pH 7              |
| 1592-23-0  | Calcium distearate                                                      | Log Pow= 3.82 - 18.27 at 20 - 25 °C and pH 7 |
| 57-11-4    | Stearic acid                                                            | Log Pow = 8.23                               |
| 5102-83-0  | Pigment yellow 13                                                       | Log Pow= 1.8 at 24 °C and pH 7               |
| 1328-53-6  | Pigment green 7                                                         | Log Pow= 0.88 - -0.4 at 23 °C                |

• **12.4 Mobility in soil:** Low mobility in soil.

|            |                                                                         |                                                                          |
|------------|-------------------------------------------------------------------------|--------------------------------------------------------------------------|
| 14807-96-6 | Talc (Mg <sub>3</sub> H <sub>2</sub> (SiO <sub>3</sub> ) <sub>4</sub> ) | Henry's law constant = 0 Pa m <sup>3</sup> /mol at 25 °C and 101.325 kPa |
|------------|-------------------------------------------------------------------------|--------------------------------------------------------------------------|

• **12.5 Results of PBT and vPvB assessment**

**PBT:** Not applicable

**vPvB:** Not applicable

• **12.6 Other adverse effects:** No known other adverse effects.

• **12.7 Additional ecological information**

• **General notes:** Water hazard class 1 (German Regulation) (self-assessment): Low hazard to waters.

Do not allow large quantities of the product to reach ground water, water course or sewage system.

## SECTION 13: Disposal consideration

• **13.1 Waste treatment methods**

• **Recommendation:** Small quantities can be disposed together with household garbage; Large quantities disposed must be in according to the local regulation.

• **13.2 Un-cleaned packaging**

• **Recommendation:** Dispose of contents/container in according to the local/regional/national/ international regulation.

## SECTION 14: Transport information

|                                                                                                    |                                                            |
|----------------------------------------------------------------------------------------------------|------------------------------------------------------------|
| • <b>14.1 UN-Number</b><br>ADR, RID, ADN, IMDG, IATA                                               | Not regulated as dangerous transport goods, not applicable |
| • <b>14.2 UN proper shipping name</b><br>ADR, RID, ADN, IMDG, IATA                                 | Void                                                       |
| • <b>14.3 Transport hazard class (es)</b><br>ADR, RID, ADN, IMDG, IATA<br>Class<br>Label           | Void<br>Void                                               |
| • <b>14.4 Packing group</b><br>ADR, RID, ADN, IMDG, IATA                                           | Void                                                       |
| • <b>14.5 Marine pollution</b>                                                                     | No                                                         |
| • <b>14.6 Special precautions for user</b><br>• <b>Danger code (Kemler)</b><br>• <b>EMS number</b> | Void<br>Void<br>Void                                       |
| • <b>14.7 UN "Model Regulation"</b>                                                                | Void                                                       |

## SECTION 15: Regulatory information

• **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

• **MAK (German Maximum Workplace Concentration):**

|            |                                                                         |    |
|------------|-------------------------------------------------------------------------|----|
| 14807-96-6 | Talc (Mg <sub>3</sub> H <sub>2</sub> (SiO <sub>3</sub> ) <sub>4</sub> ) | 3B |
| 1333-86-4  | Carbon black                                                            | 3B |

- **Directive 2012/18/EU**
- **Named dangerous substances-ANNEX I:** None of the ingredients is listed.
- **Seveso category:** Not applicable
- **Qualifying quantity (tonnes) for the application of lower-tier requirements:** Not applicable
- **Qualifying quantity (tonnes) for the application of upper-tier requirements:** Not applicable
- **National regulations.**
- **Water hazard class:** Water hazard class 1 (German Regulation) (self-assessment): Low hazard to waters.
- **Other regulations, limitations and prohibitive regulations**
- **SVHC Candidate list of REACH Regulation Annex XIV Authorization:** None of the ingredients is listed.
- **REACH Regulation Annex XVII Restriction:** None of the ingredients is listed.
- **REACH Regulation Annex XIV Authorization List:** None of the ingredients is listed.
- **15.2 Chemical safety assessment:** A Chemical Safe Assessment has not been carried out.

## SECTION 16: Other information

**The contents and format of this SDS are in accordance with Regulation (EC) No 1907/2006, 1272/2008 and Regulation (EU) No 2015/830.**

### DISCLAIMER OF LIABILITY:

The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

### • Abbreviations and acronyms:

**ADR:** Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road).

**IMDG:** International Maritime Code for Dangerous Goods.

**IATA:** International Air Transport Association.

**CAS:** Chemical Abstracts Service (division of the American Chemical Society)

**DNEL:** Derived No-Effect Level (REACH)

**PNEC:** Predicted No-Effect Concentration (REACH)

**PBT:** Persistent, Bio accumulative and Toxic

**SVHC:** Substance of Very High Concern

**LD50:** Lethal dose, 50 percent

**LC50:** Lethal concentration, 50 percent

**EC50:** Concentration of maximal effect, 50 percent

**NOEC:** No observed effect concentration

End of safety data sheet