1 Identification

- Product identifier
- Trade name: Series 540
- Article number: Series 540
- Application of the substance / the mixture: Printing inks
- Details of the supplier of the safety data sheet
- Manufacturer/Supplier:
  DECO TECHnology Group Inc.
  PRINTCOLOR SCREEN AG
  TEL (714) 639-3326
  FAX (714) 639-2261
- Information department: Product safety department
- Emergency telephone number: 800-535-5053

2 Hazard(s) identification

- Classification of the substance or mixture
  - GHS08 Health hazard
    Carc. 2 H351 Suspected of causing cancer.
    Repr. 2 H361 Suspected of damaging fertility or the unborn child.
  - GHS07
    Skin Irrit. 2 H315 Causes skin irritation.
    Eye Irrit. 2A H319 Causes serious eye irritation.
    Skin Sens. 1 H317 May cause an allergic skin reaction.
- Label elements
  - GHS label elements
    The product is classified and labeled according to the Globally Harmonized System (GHS).
- Hazard pictograms
  - GHS07
  - GHS08
- Signal word: Warning
- Hazard-determining components of labeling:
  - 2-hydroxyethyl methacrylate
  - titanium dioxide
  - diphenyl(2,4,6- trimethylbenzoyl)phosphine oxide
  - hexamethylene diacrylate
  - Dipentaerythritolhexaacrylate
  - tripolypropylene glycol diacrylate
  - glycerol, propoxylated, esters with acrylic acid
  - 4,4’-isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, esters with acrylic acid
  - propyldyne trimethanol, ethoxylated, esters with acrylic acid

(Contd. on page 2)
Safety Data Sheet
acc. to OSHA HCS

Printing date 01/08/2019
Reviewed on 01/08/2019

Trade name: Series 540

(Contd. of page 1)

· **Hazard statements**
  Causes skin irritation.
  Causes serious eye irritation.
  May cause an allergic skin reaction.
  Suspected of causing cancer.
  Suspected of damaging fertility or the unborn child.

· **Precautionary statements**
  Obtain special instructions before use.
  Do not handle until all safety precautions have been read and understood.
  Avoid breathing vapours.
  Wash thoroughly after handling.
  Contaminated work clothing must not be allowed out of the workplace.
  Wear protective gloves / eye protection.
  Use personal protective equipment as required.
  If on skin: Wash with plenty of water.
  If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
  IF exposed or concerned: Get medical advice/attention.
  Specific treatment (see on this label).
  Take off contaminated clothing and wash it before reuse.
  If skin irritation or rash occurs: Get medical advice/attention.
  Wash contaminated clothing before reuse.
  Store locked up.
  Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Classification system:**
  · **NFPA ratings (scale 0 - 4)**
    Health = 2
    Fire = 1
    Reactivity = 0
  · **HMIS-ratings (scale 0 - 4)**
    Health = *2
    Fire = 1
    Reactivity = 0

· **Other hazards**
  · Results of PBT and vPvB assessment
    · PBT: Not applicable.
    · vPvB: Not applicable.

3 Composition/information on ingredients

· **Chemical characterization:** Mixtures
  · **Description:** Mixture of the substances listed below with nonhazardous additions.

· **Dangerous components:**

<table>
<thead>
<tr>
<th>CAS</th>
<th>Chemical formula</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>886-77-9</td>
<td>2-hydroxyethyl methacrylate</td>
<td>10-25%</td>
</tr>
<tr>
<td>327622-75-3</td>
<td>Fatty acids, C18-unsatd., dimers, polymers with acrylic acid and 1,3,5-tris(2-hydroxyethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione</td>
<td>10-25%</td>
</tr>
<tr>
<td>5888-33-5</td>
<td>exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl acrylate</td>
<td>2.5-10%</td>
</tr>
<tr>
<td>13463-67-7</td>
<td>titanium dioxide</td>
<td>2.5-10%</td>
</tr>
<tr>
<td>7473-98-5</td>
<td>2-hydroxy-2-methylpropiophenone</td>
<td>2.5-10%</td>
</tr>
<tr>
<td>75980-60-8</td>
<td>diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide</td>
<td>2.5-10%</td>
</tr>
<tr>
<td>13048-33-4</td>
<td>hexamethylene diacrylate</td>
<td>2.5-10%</td>
</tr>
</tbody>
</table>

(Contd. on page 3)
4 First-aid measures

- **Description of first aid measures**
- **After inhalation:**
  Supply fresh air and to be sure call for a doctor.
  In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:** Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.
- **Information for doctor:**
  - **Most important symptoms and effects, both acute and delayed**
    No further relevant information available.
  - **Indication of any immediate medical attention and special treatment needed**
    No further relevant information available.

5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
  CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective device.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Not required.
- **Environmental precautions:**
  Inform respective authorities in case of seepage into water course or sewage system.
  Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
  Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
  Ensure adequate ventilation.
- **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 information.
- **Protective Action Criteria for Chemicals**
  - **PAC-1:**
    - **CAS: 868-77-9 2-hydroxyethyl methacrylate** 1.9 mg/m³
<table>
<thead>
<tr>
<th>CAS</th>
<th>Substance</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>13463-67-7</td>
<td>titanium dioxide</td>
<td>30 mg/m³</td>
</tr>
<tr>
<td>13048-33-4</td>
<td>hexamethylene diacrylate</td>
<td>3 mg/m³</td>
</tr>
<tr>
<td>7727-43-7</td>
<td>barium sulphate, natural</td>
<td>15 mg/m³</td>
</tr>
<tr>
<td>1333-86-4</td>
<td>Carbon black</td>
<td>9 mg/m³</td>
</tr>
<tr>
<td>7631-86-9</td>
<td>silicon dioxide, chemically prepared</td>
<td>18 mg/m³</td>
</tr>
<tr>
<td>21645-51-2</td>
<td>Aluminiumhydroxid</td>
<td>8.7 mg/m³</td>
</tr>
<tr>
<td>108-65-6</td>
<td>2-methoxy-1-methylethyl acetate</td>
<td>50 ppm</td>
</tr>
<tr>
<td>96-48-0</td>
<td>4-Hydroxybutanoic acid lactone</td>
<td>3.6 mg/m³</td>
</tr>
<tr>
<td>1344-28-1</td>
<td>aluminium oxide</td>
<td>15 mg/m³</td>
</tr>
<tr>
<td>14808-60-7</td>
<td>Quartz (SiO2)</td>
<td>0.075 mg/m³</td>
</tr>
<tr>
<td>79-10-7</td>
<td>acrylic acid</td>
<td>1.5 ppm</td>
</tr>
<tr>
<td>1314-23-4</td>
<td>zirconium oxide</td>
<td>14 mg/m³</td>
</tr>
<tr>
<td>122-99-6</td>
<td>2-Phenoxyethanol</td>
<td>1.5 ppm</td>
</tr>
<tr>
<td>7664-38-2</td>
<td>phosphoric acid</td>
<td>3 mg/m³</td>
</tr>
<tr>
<td>97-88-1</td>
<td>n-butyl methacrylate</td>
<td>19 mg/m³</td>
</tr>
<tr>
<td>150-76-5</td>
<td>mequinol</td>
<td>15 mg/m³</td>
</tr>
<tr>
<td>80-62-6</td>
<td>methyl methacrylate</td>
<td>17 ppm</td>
</tr>
<tr>
<td>7447-41-8</td>
<td>lithium chloride</td>
<td>2.3 mg/m³</td>
</tr>
<tr>
<td>PAC-2:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>868-77-9</td>
<td>2-hydroxyethyl methacrylate</td>
<td>21 mg/m³</td>
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<tr>
<td>13463-67-7</td>
<td>titanium dioxide</td>
<td>330 mg/m³</td>
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<tr>
<td>13048-33-4</td>
<td>hexamethylene diacrylate</td>
<td>170 mg/m³</td>
</tr>
<tr>
<td>7727-43-7</td>
<td>barium sulphate, natural</td>
<td>170 mg/m³</td>
</tr>
<tr>
<td>1333-86-4</td>
<td>Carbon black</td>
<td>99 mg/m³</td>
</tr>
<tr>
<td>7631-86-9</td>
<td>silicon dioxide, chemically prepared</td>
<td>740 mg/m³</td>
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<tr>
<td>21645-51-2</td>
<td>Aluminiumhydroxid</td>
<td>73 mg/m³</td>
</tr>
<tr>
<td>108-65-6</td>
<td>2-methoxy-1-methylethyl acetate</td>
<td>1,000 ppm</td>
</tr>
<tr>
<td>96-48-0</td>
<td>4-Hydroxybutanoic acid lactone</td>
<td>39 mg/m³</td>
</tr>
<tr>
<td>1344-28-1</td>
<td>aluminium oxide</td>
<td>170 mg/m³</td>
</tr>
<tr>
<td>14808-60-7</td>
<td>Quartz (SiO2)</td>
<td>33 mg/m³</td>
</tr>
<tr>
<td>79-10-7</td>
<td>acrylic acid</td>
<td>46 ppm</td>
</tr>
<tr>
<td>1314-23-4</td>
<td>zirconium oxide</td>
<td>110 mg/m³</td>
</tr>
<tr>
<td>122-99-6</td>
<td>2-Phenoxyethanol</td>
<td>16 ppm</td>
</tr>
<tr>
<td>7664-38-2</td>
<td>phosphoric acid</td>
<td>30 mg/m³</td>
</tr>
<tr>
<td>97-88-1</td>
<td>n-butyl methacrylate</td>
<td>210 mg/m³</td>
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<tr>
<td>150-76-5</td>
<td>mequinol</td>
<td>49 mg/m³</td>
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<tr>
<td>80-62-6</td>
<td>methyl methacrylate</td>
<td>120 ppm</td>
</tr>
<tr>
<td>7447-41-8</td>
<td>lithium chloride</td>
<td>25 mg/m³</td>
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<td>PAC-3:</td>
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<tr>
<td>868-77-9</td>
<td>2-hydroxyethyl methacrylate</td>
<td>1,000 mg/m³</td>
</tr>
<tr>
<td>13463-67-7</td>
<td>titanium dioxide</td>
<td>2,000 mg/m³</td>
</tr>
<tr>
<td>13048-33-4</td>
<td>hexamethylene diacrylate</td>
<td>990 mg/m³</td>
</tr>
<tr>
<td>7727-43-7</td>
<td>barium sulphate, natural</td>
<td>990 mg/m³</td>
</tr>
<tr>
<td>1333-86-4</td>
<td>Carbon black</td>
<td>590 mg/m³</td>
</tr>
<tr>
<td>7631-86-9</td>
<td>silicon dioxide, chemically prepared</td>
<td>4,500 mg/m³</td>
</tr>
<tr>
<td>21645-51-2</td>
<td>Aluminiumhydroxid</td>
<td>440 mg/m³</td>
</tr>
<tr>
<td>108-65-6</td>
<td>2-methoxy-1-methylethyl acetate</td>
<td>5000 ppm</td>
</tr>
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</table>

(Contd. of page 3)
Trade name: Series 540

<table>
<thead>
<tr>
<th>CAS:</th>
<th>Chemical</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>96-48-0</td>
<td>4-Hydroxybutanoic acid lactone</td>
<td>310 mg/m³</td>
</tr>
<tr>
<td>1344-28-1</td>
<td>aluminium oxide</td>
<td>990 mg/m³</td>
</tr>
<tr>
<td>14808-60-7</td>
<td>Quartz (SiO2)</td>
<td>200 mg/m³</td>
</tr>
<tr>
<td>79-10-7</td>
<td>acrylic acid</td>
<td>180 ppm</td>
</tr>
<tr>
<td>1314-23-4</td>
<td>zirconium oxide</td>
<td>680 mg/m³</td>
</tr>
<tr>
<td>122-99-6</td>
<td>2-Phenoxyethanol</td>
<td>97 ppm</td>
</tr>
<tr>
<td>7664-38-2</td>
<td>phosphoric acid</td>
<td>150 mg/m³</td>
</tr>
<tr>
<td>97-88-1</td>
<td>n-butyl methacrylate</td>
<td>1,300 mg/m³</td>
</tr>
<tr>
<td>150-76-5</td>
<td>mequinol</td>
<td>320 mg/m³</td>
</tr>
<tr>
<td>80-62-6</td>
<td>methyl methacrylate</td>
<td>570 ppm</td>
</tr>
<tr>
<td>7447-41-8</td>
<td>lithium chloride</td>
<td>150 mg/m³</td>
</tr>
</tbody>
</table>

7 Handling and storage

- **Handling:**
- Precautions for safe handling
  Keep away from heat and direct sunlight.
  Ensure good ventilation/exhaustion at the workplace.
  Prevent formation of aerosols.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**
- **Components with limit values that require monitoring at the workplace:**
  The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.
  At this time, the other constituents have no known exposure limits.

- **CAS: 13048-33-4 hexamethylene diacrylate**
  - WEEL Long-term value: 1 mg/m³
  - DSEN

- **CAS: 7727-43-7 barium sulphate, natural**
  - PEL Long-term value: 15* 5** mg/m³
    *total dust **respirable fraction
  - REL Long-term value: 10* 5** mg/m³
    *total dust **respirable fraction
  - TLV Long-term value: 5* mg/m³
    *inhalable fraction; E

- **CAS: 1333-86-4 Carbon black**
  - PEL Long-term value: 3.5 mg/m³
Safety Data Sheet
acc. to OSHA HCS

Trade name: Series 540

<table>
<thead>
<tr>
<th>REL</th>
<th>Long-term value: 3.5* mg/m³ *0.1 in presence of PAHs; See Pocket Guide Apps.A+C</th>
</tr>
</thead>
<tbody>
<tr>
<td>TLV</td>
<td>Long-term value: 3* mg/m³ * inhalable fraction</td>
</tr>
</tbody>
</table>

- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
  - Keep away from foodstuffs, beverages and feed.
  - Immediately remove all soiled and contaminated clothing.
  - Wash hands before breaks and at the end of work.
  - Avoid contact with the eyes and skin.
- **Breathing equipment:**
  - In case of brief exposure or low pollution use respiratory filter device.
  - In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.
- **Protection of hands:**
  - Protective gloves
  - The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
  - Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
  - Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
  - **Material of gloves**
    - The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
  - **Penetration time of glove material**
    - The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
  - **For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable:**
    - Nitrile rubber, NBR
- **Eye protection:**
  - Tightly sealed goggles

### 9 Physical and chemical properties

- **Information on basic physical and chemical properties**
  - **General Information**
  - **Appearance:**
    - Form: Fluid
    - Color: According to product specification
  - **Odor:** Characteristic
  - **Change in condition**
    - Melting point/Melting range: Undetermined.
    - Boiling point/Boiling range: > 100 °C (>212 °F)
Trade name: Series 540

48.0.4

- Flash point: 97 °C (206.6 °F) (Abel Pensky)
- Ignition temperature: 235 °C (455 °F)
- Auto igniting: Product is not selfigniting.
- Danger of explosion: Product does not present an explosion hazard.
- Density: Not determined.
- Solubility in / Miscibility with Water: Not miscible or difficult to mix.
- Viscosity: Dynamic: Not determined.
  VOC content: 5.4 %
  7.1 g/l / 0.06 lb/gal
- Other information No further relevant information available.

10 Stability and reactivity

- Reactivity No further relevant information available.
- Chemical stability
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- Possibility of hazardous reactions Reacts with strong oxidizing agents.
  Photoreactive.
- Conditions to avoid No further relevant information available.
- Incompatible materials: No further relevant information available.
- Hazardous decomposition products: No dangerous decomposition products known.

11 Toxicological information

- Information on toxicological effects
- Acute toxicity:
  - Primary irritant effect:
    - on the skin: Irritant to skin and mucous membranes.
    - on the eye: Irritating effect.
  - Sensitization: Sensitization possible through skin contact.
- Additional toxicological information:
  The product shows the following dangers according to internally approved calculation methods for preparations:
  Irritant
- Carcinogenic categories

<table>
<thead>
<tr>
<th>CAS</th>
<th>Substance</th>
<th>IARC Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>14807-96-6</td>
<td>Talc (Mg3H2(SiO3)4)</td>
<td>3</td>
</tr>
<tr>
<td>13463-67-7</td>
<td>titanium dioxide</td>
<td>2B</td>
</tr>
<tr>
<td>1333-86-4</td>
<td>Carbon black</td>
<td>2B</td>
</tr>
<tr>
<td>7631-86-9</td>
<td>silicon dioxide, chemically prepared</td>
<td>3</td>
</tr>
<tr>
<td>96-48-0</td>
<td>4-Hydroxybutanoic acid lactone</td>
<td>3</td>
</tr>
<tr>
<td>1330-20-7</td>
<td>xylene</td>
<td>3</td>
</tr>
<tr>
<td>14808-60-7</td>
<td>Quartz (SiO2)</td>
<td>1</td>
</tr>
<tr>
<td>79-10-7</td>
<td>acrylic acid</td>
<td>3</td>
</tr>
</tbody>
</table>

(Contd. on page 8)
12 Ecological information

- **Toxicity**
  - **Aquatic toxicity**: No further relevant information available.
  - **Persistence and degradability**: No further relevant information available.
  - **Behavior in environmental systems**:
    - **Bioaccumulative potential**: No further relevant information available.
    - **Mobility in soil**: No further relevant information available.
  - **Ecotoxic effects**:
    - **Remark**: Toxic for fish.
  - **Additional ecological information**:
    - **General notes**:
      - Also poisonous for fish and plankton in water bodies.
      - Toxic for aquatic organisms.
      - Water hazard class 2 (Self-assessment): hazardous for water.
      - Do not allow product to reach ground water, water course or sewage system.
      - Danger to drinking water if even small quantities leak into the ground.
  - **Results of PBT and vPvB assessment**
    - **PBT**: Not applicable.
    - **vPvB**: Not applicable.
  - **Other adverse effects**: No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
  - **Recommendation**:
    - Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings**:
  - **Recommendation**: Disposal must be made according to official regulations.

14 Transport information

- **UN-Number**
  - DOT, ADR, ADN, IMDG, IATA: Void
- **UN proper shipping name**
  - DOT, ADR, ADN, IMDG, IATA: Void
- **Transport hazard class(es)**
  - DOT, ADR, ADN: Void
  - Class: Void
  - IMDG, IATA: Void
  - Class: Not restricted good
### 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
  - **Sara**
    - **Section 355 (extremely hazardous substances):**
      None of the ingredient is listed.
    - **Section 313 (Specific toxic chemical listings):**
      ```
      | CAS    | Substance                                    |
      |--------|----------------------------------------------|
      | 7727-43-7 | barium sulphate, natural                     |
      | 1344-28-1 | aluminium oxide                              |
      | 79-10-7  | acrylic acid                                 |
      | 122-99-6 | 2-Phenoxyethanol                             |
      | 7664-38-2 | phosphoric acid                              |
      | 80-62-6  | methyl methacrylate                          |
      |         |                                              |
      | 868-77-9 | 2-hydroxyethyl methacrylate                  |
      | 5888-33-5 | exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl acrylate |
      | 14807-96-6 | Talc (Mg3H2(SiO3)4)                          |
      | 13463-67-7 | titanium dioxide                            |
      | 7473-98-5 | 2-hydroxy-2-methylpropiophenone              |
      | 75980-60-8 | diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide |
      | 13048-33-4 | hexamethylene diacrylate                    |
      | 29570-58-9 | Dipentaerythritolhexaacrylat                |
      | 60506-81-2 | Dipentaerythritol Pentaacrylate Esters    |
      | 7727-43-7 | barium sulphate, natural                     |
      | 1333-86-4 | Carbon black                                 |
      | 63225-53-6 | 2-[[[(butylamino)carbonyl]oxy]ethyl acrylate |
      | 7631-86-9 | silicon dioxide, chemically prepared         |
      | 40220-08-4 | (2,4,6-trioxo-1,3,5-triazinane-1,3,5-triy1)triethylene triacrylate |
      | 42978-66-5 | tripropylene glycol diacrylate              |
      | 24599-21-1 | 2-(phosphonoxy)ethyl methacrylate           |
      | 32435-46-4 | bis(methacryloyloxyethyl) hydrogen phosphate |
      | 21645-51-2 | Aluminiumhydroxid                           |
      | 108-65-6  | 2-methoxy-1-methylethyl acetate             |
      | 52408-84-1 | glycerol, propoxylated, esters with acrylic acid |
      | 55818-57-0 | 4,4'-isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, esters with acrylic acid |
      ```

(Contd. on page 10)
<table>
<thead>
<tr>
<th>CAS</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>4394-85-8</td>
<td>4-morpholinecarbaldehyde</td>
</tr>
<tr>
<td>28961-43-5</td>
<td>Propyldinitrtrimethanol, ethoxylated, esters with acrylic acid</td>
</tr>
<tr>
<td>96-48-0</td>
<td>4-Hydroxybutanoic acid lactone</td>
</tr>
<tr>
<td>1344-28-1</td>
<td>Aluminium oxide</td>
</tr>
<tr>
<td>8002-74-2</td>
<td>Paraffin waxes and Hydrocarbon waxes</td>
</tr>
<tr>
<td>14808-60-7</td>
<td>Quartz (SiO2)</td>
</tr>
<tr>
<td>79-10-7</td>
<td>Acrylic acid</td>
</tr>
<tr>
<td>1314-23-4</td>
<td>Zirconium oxide</td>
</tr>
<tr>
<td>128-37-0</td>
<td>Butylated hydroxytoluene</td>
</tr>
<tr>
<td>327622-75-3</td>
<td>Fatty acids, C18-unsatd., dimers, polymers with acrylic acid and 1,3,5-tris(2-hydroxyethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione</td>
</tr>
<tr>
<td>28961-43-5</td>
<td>Propyldinitrtrimethanol, ethoxylated, esters with acrylic acid</td>
</tr>
</tbody>
</table>

**Proposition 65**

- **Chemicals known to cause cancer:**
  - CAS: 13463-67-7 titanium dioxide
  - CAS: 1333-86-4 Carbon black
  - CAS: 14808-60-7 Quartz (SiO2)

- **Chemicals known to cause reproductive toxicity for females:**
  None of the ingredients is listed.

- **Chemicals known to cause reproductive toxicity for males:**
  None of the ingredients is listed.

- **Chemicals known to cause developmental toxicity:**
  None of the ingredients is listed.

**Cancerogenity categories**

<table>
<thead>
<tr>
<th>CAS</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>7727-43-7</td>
<td>Barium sulphate, natural D, CBD(inh), NL(oral)</td>
</tr>
<tr>
<td>1330-20-7</td>
<td>Xylene I</td>
</tr>
<tr>
<td>80-62-6</td>
<td>Methyl methacrylate E, NL</td>
</tr>
</tbody>
</table>

**TLV (Threshold Limit Value established by ACGIH)**

<table>
<thead>
<tr>
<th>CAS</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>14807-96-6</td>
<td>Talc (Mg3H2(SiO3)4)</td>
</tr>
<tr>
<td>13463-67-7</td>
<td>Titanium dioxide</td>
</tr>
<tr>
<td>1333-86-4</td>
<td>Carbon black</td>
</tr>
<tr>
<td>1330-20-7</td>
<td>Xylene</td>
</tr>
<tr>
<td>1344-28-1</td>
<td>Aluminium oxide</td>
</tr>
<tr>
<td>14808-60-7</td>
<td>Quartz (SiO2)</td>
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<tr>
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</tr>
<tr>
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<td>Butylated hydroxytoluene</td>
</tr>
<tr>
<td>80-62-6</td>
<td>Methyl methacrylate</td>
</tr>
</tbody>
</table>

**NIOSH-Ca (National Institute for Occupational Safety and Health)**

<table>
<thead>
<tr>
<th>CAS</th>
<th>Description</th>
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<td>Carbon black</td>
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<tr>
<td>14808-60-7</td>
<td>Quartz (SiO2)</td>
</tr>
</tbody>
</table>

**GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).
Safety Data Sheet
acc. to OSHA HCS

Printing date 01/08/2019
Reviewed on 01/08/2019

Trade name: Series 540

· Hazard pictograms

![Hazard pictograms]

GHS07  GHS08

· Signal word Warning

· Hazard-determining components of labeling:
  - 2-hydroxyethyl methacrylate
  - titanium dioxide
  - diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide
  - hexamethylene diacrylate
  - Dipentaerythritolhexaacrylat
  - tripropylene glycol diacrylate
  - glycerol, propoxylated, esters with acrylic acid
  - 4,4'-isopropylenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, esters with acrylic acid
  - propylidyenetrimethanol, ethoxylated, esters with acrylic acid

· Hazard statements
  - Causes skin irritation.
  - Causes serious eye irritation.
  - May cause an allergic skin reaction.
  - Suspected of causing cancer.
  - Suspected of damaging fertility or the unborn child.

· Precautionary statements
  - Obtain special instructions before use.
  - Do not handle until all safety precautions have been read and understood.
  - Avoid breathing vapours.
  - Wash thoroughly after handling.
  - Contaminated work clothing must not be allowed out of the workplace.
  - Wear protective gloves / eye protection.
  - Use personal protective equipment as required.
  - If on skin: Wash with plenty of water.
  - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
  - IF exposed or concerned: Get medical advice/attention.
  - Specific treatment (see on this label).
  - Take off contaminated clothing and wash it before reuse.
  - If skin irritation or rash occurs: Get medical advice/attention.
  - If eye irritation persists: Get medical advice/attention.
  - Wash contaminated clothing before reuse.
  - Store locked up.
  - Dispose of contents/container in accordance with local/regional/national/international regulations.

· Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Department issuing SDS: Product safety department
· Contact: hse@printcolor.ch
· Date of preparation / last revision 01/08/2019 / 2
· 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
  DOT: US Department of Transportation
Trade name: Series 540

IATA: International Air Transport Association
ACGIH: American Conference of Governmental Industrial Hygienists
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
HMIS: Hazardous Materials Identification System (USA)
VOC: Volatile Organic Compounds (USA, EU)
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
NIOSH: National Institute for Occupational Safety
OSHA: Occupational Safety & Health
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A
Skin Sens. 1: Skin sensitisation – Category 1
Carc. 2: Carcinogenicity – Category 2
Repr. 2: Reproductive toxicity – Category 2