

**BASECOAT READY MIXED COLOUR – Sapphire Black 20R**

# SAFETY DATA SHEET

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Regulation (EU) No. 2015/830 - United Kingdom (UK).

Version: 01

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(Previous revision None)

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

### 1.1 Product Identifier;

**Product Name** Basecoat Ready Mixed Colour – Sapphire Black 20R

**Product Code:** 0637

**Product Synonyms:**

### 1.2 Relevant identified uses of the substance or mixture and uses advised against;

**Product use** Professional use only. Spray application.

**Use of the  
Substance/mixture** Coloured coating.

### 1.3 Details of the supplier of the safety data sheet;

**Churchill Paints Ltd**

**e-mail address of  
person responsible  
for this SDS**

[sales@churchill-paints.co.uk](mailto:sales@churchill-paints.co.uk)

### 1.4 Emergency Telephone Number:

+44(0) 1260 290 666 (office hours only)

## 2. SECTION 2: Hazards identification;

### 2.1 Classification of the substance or mixture;

**Product definition** Mixture

**Classification In accordance with the Classification, Labelling and Packaging Regulation (EC) No 1272/2008**

**Physical hazards** Flam. Liq. 3, H226



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### Health hazards

Skin Irrit. 2, H315  
STOT SE 3, H336

### Environmental hazards

Aquatic Chronic 3, H412

The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.

See Section 16 for the full text of the H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

## 2.2 Label elements

### Hazard pictograms



### Signal word

Warning

### Hazard statements

H226 – Flammable liquid and vapour.  
H315 - Causes skin irritation.  
H336 - May cause drowsiness or dizziness.  
H412 - Harmful to aquatic life with long lasting effects.

### Precautionary Statements

#### Prevention

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Nonsmoking.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.

#### Response

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P370+P378 - In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.

#### Storage

P403+P233 - Store in a well-ventilated place. Keep container tightly closed.

#### Disposal

P501 - Dispose of contents/ container to an approved waste disposal plant.

### Hazardous Ingredients

n-butyl acetate. Solvent naphtha (Petroleum) light arom. < 0.1% EC 200-753-7,  
1-butanol. 1-methoxy-2-propanol.

### Supplemental label elements

EUH066 Repeated exposure may cause skin dryness or cracking.



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*Annex XVII –  
Restrictions on the  
manufacture, placing  
on the market and  
use of certain  
dangerous substances,  
mixtures and  
articles.*

Not applicable

**2.3. Other hazards** PBT: This product is not identified as a PBT/vPvB substance.

## 3. SECTION 3: Composition/information on ingredients

**3.2 Mixtures** Mixture

| <i>REACH<br/>Registration<br/>Number</i> | <i>Chemical<br/>name</i>  | <i>% by<br/>wt.</i> | <i>CAS No.</i> | <i>EC No.<br/>(EINECS)</i> | <i>Index No.</i> | <i>Classification<br/>Regulation (EC)<br/>No.1272/2008<br/>[CLP]</i>  |
|--|---|---------------------|----------------|----------------------------|------------------|---|
| 01-2119485493-29                         | <b>n-Butyl Acetate<br/>Butyl<br/>ethanoate</b>  | ≥25 -<br><50        | 123-86-4       | 204-658-1                  | 607-025-00-1     | Flam. Liq. 3, H226<br>STOT SE 3, H336<br>EUH066   |
| 01-2119488216-32                         | <b>Xylene<br/>(mixture of<br/>isomers)</b>  | ≥5 -<br><10         | 1330-20-7      | 215-535-7                  | 601-022-00-9     | Acute Tox. 4,<br>H312+H332<br>Flam. Liq. 3, H226<br>Skin Irrit. 2, H315                                     |
| 01-2119486773-24                         | <b>Solvent<br/>naphtha<br/>(Petroleum),<br/>light arom. &lt;<br/>0.1% EC 200-<br/>753-7</b> | ≥2.5 -<br><5        | 64742-95-6     | 265-199-0                  | 649-356-00-4     | Flam. Liq. 3, H226<br>Asp. Tox. 1, H304<br>STOT SE 3, H335<br>STOT SE 3, H336<br>Aquatic Chronic 2,<br>H411 |
| 01-2119489370-35                         | <b>Ethyl benzene</b>  | ≥1 -<br><2.5        | 100-41-4       | 202-849-4                  | 601-023-00-4     | Flam. Liq. 2, H225<br>Asp. Tox. 1, H304<br>Acute Tox. 4, H332<br>STOT RE 2, H373                            |
| 01-2119475108-36                         | <b>2-<br/>butoxyethanol</b>   | ≥1 -<br><2.5        | 111-76-2       | 203-905-0                  | 603-014-00-1     | Acute Tox. 4,<br>H302+312+332<br>Skin Irrit. 2, H315<br>Eye Irrit. 2, H319                                  |



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|                  |                             |                    |          |           |              |   |
|------------------|-----------------------------|--------------------|----------|-----------|--------------|---|
| 01-2119457435-35 | <b>1-methoxy-2-propanol</b> | ≥0.25<br>-<br><0.5 | 107-98-2 | 203-539-1 | 603-064-00-3 | Flam. Liq. 3, H226<br>STOT SE 3, H336   |
| 01-2119433307-44 | <b>Methanol</b>             | < 0.2              | 67-56-1  | 200-659-6 | 603-001-00-X | Flam. Liq. 2, H225;<br>Acute Tox. 3, H331;<br>Acute Tox. 3, H311;<br>Acute Tox. 3, H301;<br>STOT SE 1, H370 |

*The Full Text for all Hazard Statements on this SDS is displayed in Section 16.*

## 4. SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### *Eye contact*

Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek immediate medical attention.

#### *Inhalation*

If spray/mist has been inhaled, proceed as follows. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. If breathing stops, provide artificial respiration. Get medical attention immediately.

#### *Skin contact*

Remove contaminated clothing immediately and wash skin with soap and water. In serious cases see a doctor. If the product causes burns or freezing, clothing should not be removed as this could worsen the injury caused if it is stuck to the skin. If blisters form on the skin, these should never be burst as this will increase the risk of infection.

#### *Ingestion*

If swallowed, seek medical advice immediately and show the container or label. Keep person warm and at rest. Do NOT induce vomiting.

#### *Protection of first-aiders*

No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

### 4.2. Most important symptoms and effects, both acute and delayed

#### *Eye contact*

Causes serious eye irritation.

#### *Inhalation*

Overexposure to organic solvents may depress the central nervous system, causing dizziness and intoxication and, at very high concentrations, unconsciousness and death.

#### *Skin contact*

Defatting to the skin. May cause skin dryness and irritation.

#### *Ingestion*

No known significant effects or critical hazards.



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### Over-exposure signs/symptoms

|                     |   |
|---------------------|---|
| <i>Eye contact</i>  | No specific data.   |
| <i>Inhalation</i>   | Adverse symptoms may include the following:<br>respiratory tract irritation<br>coughing     |
| <i>Skin contact</i> | Adverse symptoms may include the following:<br>irritation<br>redness<br>dryness<br>cracking |
| <i>Ingestion</i>    | No specific data.   |

### 4.3. *Indication of any immediate medical attention and special treatment needed*

*Notes to physician* In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

*Immediate / special treatment:* No specific treatment.

## 5. SECTION 5: Firefighting measures

### 5.1. *Extinguishing media*

#### *Suitable extinguishing media*

Extinguish with foam, carbon dioxide, dry powder or water fog.

#### *Unsuitable extinguishing media*

Do not use water jet.

### 5.2. *Special hazards arising from the substance or mixture*

#### *Hazards from the Mixture*

Flammable liquid and vapour. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Run-off to sewer may create fire or explosion hazard.

#### *Hazardous combustion products*

Decomposition products may include the following materials:



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Carbon dioxide  
Carbon monoxide

### 5.3. Advice for firefighters

#### *Protective actions during firefighting*

Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Use water to keep fire-exposed containers cool and disperse vapours. Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

#### *Special protective equipment for fire-fighters*

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

## 6. SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### *For non-emergency Personnel*

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Isolate leaks providing there is no additional risk to those performing this task. Personal protection equipment must be used to avoid direct contact with the spillage. Shut off all ignition sources. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate.

#### *For emergency responders*

If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

### 6.2. Environmental precautions

Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.

### 6.3. Methods and material for containment and cleaning up



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### *Small spill*

Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

### *Large spill*

Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product.

### *Special provisions*

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Place in a suitable container. The contaminated area should be cleaned immediately with a suitable decontaminant. One possible (flammable) decontaminant comprises (by volume): water (45 parts), ethanol or isopropyl alcohol (50 parts) and concentrated (d: 0,880) ammonia solution (5 parts). A non-flammable alternative is sodium carbonate (5 parts) and water (95 parts). Add the same decontaminant to the remnants and let stand for several days until no further reaction in an unsealed container. Once this stage is reached, close container and dispose of according to local regulations (see section 13). Do not allow to enter drains or watercourses. If the product contaminates lakes, rivers, or sewers, inform the appropriate authorities in accordance with local regulations.

### *6.4. Reference to other sections*

See Section 1 for emergency contact information.  
See Section 8 for information on appropriate personal protective equipment.  
See Section 13 for additional waste treatment information.

## **7. SECTION 7: Handling and storage**

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

### *7.1. Precautions for safe handling*

Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapour or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition



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source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use non-sparking tools. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by earthing and bonding containers and equipment before transferring material. Empty containers retain product residue and can be hazardous. Do not reuse container.

#### 7.2. Conditions for safe storage, including any incompatibilities

**Storage precautions** Storage temperature: 0 to 35°C (32 to 95°F). Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.

#### 7.3 Specific end use(s)

Coating.

## 8. SECTION 8: Exposure Controls/personal protection

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

#### 8.1. Control parameters

| <i>Occupational exposure limits to be monitored in the work environment</i> |                            |   |                         |   |                         |
|---|----------------------------|---|-------------------------|---|-------------------------|
| <i>Ingredient name:</i>   | <i>Comment (from EH40)</i> | <i>Time-weighted average – 8 hrs (TWA).</i> |                         | <i>Short-term exposure limits – 15min (STELs)</i> |                         |
|   |                            | <i>ppm.</i>                                 | <i>mg/m<sup>3</sup></i> | <i>ppm.</i>                                       | <i>mg/m<sup>3</sup></i> |
| <b>n-Butyl Acetate<br/>Butyl ethanoate</b>                                  |                            | <b>150</b>                                  | <b>724</b>              | <b>200</b>  | <b>966</b>              |
| <b>Xylene (mixture of isomers)</b>  | <b>Sk</b>                  | <b>50</b>                                   | <b>220</b>              | <b>100</b>  | <b>441</b>              |
| <b>Solvent naphtha (Petroleum), light arom. &lt; 0.1% EC 200-753-7</b>      |                            | No data available                           | No data available       | No data available                                 | No data available       |
| <b>Ethyl benzene</b>  | <b>Sk</b>                  | <b>100</b>                                  | <b>441</b>              | <b>125</b>  | <b>552</b>              |
| <b>2-butoxyethanol</b>  | <b>Sk</b>                  | <b>25</b>                                   | <b>123</b>              | <b>50</b>   | <b>246</b>              |





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|                      |    |     |     |     |     |
|----------------------|----|-----|-----|-----|-----|
| 1-methoxy-2-propanol | Sk | 100 | 375 | 150 | 563 |
| Methanol             | Sk | 200 | 266 | 250 | 333 |

*Comments are from HSE Guidance Note EH40/2005 Workplace exposure limits (WELs)*

Sk - Can be absorbed through skin

*DNELs (Workers)*

| <i>Ingredient name:</i>   | <i>Exposure</i>   | <i>Short term</i>     |                       | <i>Long term</i>      |                       |
|---|-------------------|-----------------------|-----------------------|-----------------------|-----------------------|
|   |                   | <i>Systemic</i>       | <i>Local</i>          | <i>Systemic</i>       | <i>Local</i>          |
| <b>n-Butyl Acetate<br/>Butyl ethanoate</b>  | <i>Oral</i>       | Non-applicable        | Non-applicable        | Non-applicable        | Non-applicable        |
|   | <i>Dermal</i>     | Non-applicable        | Non-applicable        | Non-applicable        | Non-applicable        |
|   | <i>Inhalation</i> | 960 mg/m <sup>3</sup> | 960 mg/m <sup>3</sup> | 480 mg/m <sup>3</sup> | 480 mg/m <sup>3</sup> |
| <b>Xylene (mixture of<br/>isomers)</b>  | <i>Oral</i>       | Non-applicable        | Non-applicable        | Non-applicable        | Non-applicable        |
|   | <i>Dermal</i>     | Non-applicable        | Non-applicable        | 180 mg/kg             | Non-applicable        |
|   | <i>Inhalation</i> | 289 mg/m <sup>3</sup> | 289 mg/m <sup>3</sup> | 77 mg/m <sup>3</sup>  | Non-applicable        |
| <b>Solvent naphtha<br/>(Petroleum), light<br/>arom. &lt; 0.1% EC 200-<br/>753-7</b> | <i>Oral</i>       | Non-applicable        | Non-applicable        | Non-applicable        | Non-applicable        |
|   | <i>Dermal</i>     | Non-applicable        | Non-applicable        | Non-applicable        | Non-applicable        |
|   | <i>Inhalation</i> | Non-applicable        | Non-applicable        | Non-applicable        | Non-applicable        |
| <b>Ethyl benzene</b>  | <i>Oral</i>       | Non-applicable        | Non-applicable        | Non-applicable        | Non-applicable        |
|   | <i>Dermal</i>     | Non-applicable        | Non-applicable        | 180 mg/kg             | Non-applicable        |
|   | <i>Inhalation</i> | Non-applicable        | 293 mg/m <sup>3</sup> | 77 mg/m <sup>3</sup>  | Non-applicable        |


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|                             |                   |                       |                         |                         |                |
|-----------------------------|-------------------|-----------------------|-------------------------|-------------------------|----------------|
| <b>2-butoxyethanol</b>      | <i>Oral</i>       | Non-applicable        | Non-applicable          | Non-applicable          | Non-applicable |
|                             | <i>Dermal</i>     | 89 mg/kg              | Non-applicable          | 75 mg/kg                | Non-applicable |
|                             | <i>Inhalation</i> | 663 mg/m <sup>3</sup> | 246 mg/m <sup>3</sup>   | 98 mg/m <sup>3</sup>    | Non-applicable |
| <b>1-methoxy-2-propanol</b> | <i>Oral</i>       | Non-applicable        | Non-applicable          | Non-applicable          | Non-applicable |
|                             | <i>Dermal</i>     | Non-applicable        | Non-applicable          | 50.6 mg/kg              | Non-applicable |
|                             | <i>Inhalation</i> | Non-applicable        | 553.5 mg/m <sup>3</sup> | 369 mg/m <sup>3</sup>   | Non-applicable |
| <b>Methanol</b>             | <i>Oral</i>       | Non-applicable        | Non-applicable          | Non-applicable          | Non-applicable |
|                             | <i>Dermal</i>     | Non-applicable        | Non-applicable          | 6.83 mg/kg              | Non-applicable |
|                             | <i>Inhalation</i> | Non-applicable        | Non-applicable          | 12.05 mg/m <sup>3</sup> | Non-applicable |

***DNELs (General Population)***

| <i>Ingredient name:</i>                    | <i>Exposure</i>   | <i>Short term</i>       |                         | <i>Long term</i>         |                          |
|--|-------------------|-------------------------|-------------------------|--------------------------|--------------------------|
|  |                   | <i>Systemic</i>         | <i>Local</i>            | <i>Systemic</i>          | <i>Local</i>             |
| <b>n-Butyl Acetate<br/>Butyl ethanoate</b> | <i>Oral</i>       | Non-applicable          | Non-applicable          | Non-applicable           | Non-applicable           |
|  | <i>Dermal</i>     | Non-applicable          | Non-applicable          | Non-applicable           | Non-applicable           |
|  | <i>Inhalation</i> | 859.7 mg/m <sup>3</sup> | 859.7 mg/m <sup>3</sup> | 102.34 mg/m <sup>3</sup> | 102.34 mg/m <sup>3</sup> |
| <b>Xylene (mixture of<br/>isomers)</b>     | <i>Oral</i>       | Non-applicable          | Non-applicable          | 1.6 mg/kg                | Non-applicable           |
|  | <i>Dermal</i>     | Non-applicable          | Non-applicable          | 108 mg/kg                | Non-applicable           |
|  | <i>Inhalation</i> | Non-applicable          | Non-applicable          | 14.8 mg/m <sup>3</sup>   | Non-applicable           |


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|                             |                   |                       |                       |                        |                |
|-----------------------------|-------------------|-----------------------|-----------------------|------------------------|----------------|
| <b>Ethyl benzene</b>        | <i>Oral</i>       | Non-applicable        | Non-applicable        | 1.6 mg/kg              | Non-applicable |
|                             | <i>Dermal</i>     | Non-applicable        | Non-applicable        | Non-applicable         | Non-applicable |
|                             | <i>Inhalation</i> | Non-applicable        | Non-applicable        | 15 mg/m <sup>3</sup>   | Non-applicable |
| <b>2-butoxyethanol</b>      | <i>Oral</i>       | 13.4 mg/kg            | Non-applicable        | 3.2 mg/kg              | Non-applicable |
|                             | <i>Dermal</i>     | 44.5 mg/kg            | Non-applicable        | 38 mg/kg               | Non-applicable |
|                             | <i>Inhalation</i> | 426 mg/m <sup>3</sup> | 123 mg/m <sup>3</sup> | 49 mg/m <sup>3</sup>   | Non-applicable |
| <b>1-methoxy-2-propanol</b> | <i>Oral</i>       | Non-applicable        | Non-applicable        | 3.3 mg/kg              | Non-applicable |
|                             | <i>Dermal</i>     | Non-applicable        | Non-applicable        | 18.1 mg/kg             | Non-applicable |
|                             | <i>Inhalation</i> | Non-applicable        | Non-applicable        | 43.9 mg/m <sup>3</sup> | Non-applicable |
| <b>Methanol</b>             | <i>Oral</i>       | Non-applicable        | Non-applicable        | 6.87 mg/Kg<br>bw/day   | Non-applicable |
|                             | <i>Dermal</i>     | Non-applicable        | Non-applicable        | 3.42 mg/Kg<br>bw/day   | Non-applicable |
|                             | <i>Inhalation</i> | Non-applicable        | Non-applicable        | 2.97 mg/m <sup>3</sup> | Non-applicable |

**PNEC**

| <i>Ingredient name:</i>                          | <i>Environmental sphere</i>  | <i>PNEC value</i> |
|--|------------------------------|-------------------|
| <b>n-Butyl Acetate</b><br><b>Butyl ethanoate</b> | <i>Fresh water</i>           | 0.18 mg/L         |
|  | <i>Marine water</i>          | 0.018 mg/L        |
|  | <i>Fresh water sediment</i>  | 0.981 mg/kg       |
|  | <i>Marine water sediment</i> | 0.0981 mg/kg      |
|  | <i>Sewage Treatment</i>      | 35.6 mg/L         |
|  | <i>Soil</i>                  | 0.0903 mg/kg      |


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|                             |                              |                   |
|-----------------------------|------------------------------|-------------------|
| Xylene (mixture of isomers) | <i>Fresh water</i>           | 0.327 mg/L        |
|                             | <i>Marine water</i>          | 0.327 mg/L        |
|                             | <i>Fresh water sediment</i>  | 12.46 mg/kg       |
|                             | <i>Marine water sediment</i> | 12.46 mg/kg       |
|                             | <i>Sewage Treatment</i>      | 6.58 mg/L         |
|                             | <i>Soil</i>                  | 2.31 mg/kg        |
| Ethyl benzene               | <i>Fresh water</i>           | 0.1 mg/L          |
|                             | <i>Marine water</i>          | 0.01 mg/L         |
|                             | <i>Fresh water sediment</i>  | 13.7 mg/kg        |
|                             | <i>Marine water sediment</i> | 1.37 mg/kg        |
|                             | <i>Sewage Treatment</i>      | 9.6 mg/L          |
|                             | <i>Soil</i>                  | 2.68 mg/kg        |
| 2-butoxyethanol             | <i>Fresh water</i>           | 8.8 mg/L          |
|                             | <i>Marine water</i>          | 0.88 mg/L         |
|                             | <i>Fresh water sediment</i>  | 34.6 mg/kg        |
|                             | <i>Marine water sediment</i> | No data available |
|                             | <i>Sewage Treatment</i>      | 463 mg/L          |
|                             | <i>Soil</i>                  | 3.13 mg/kg        |
| 1-methoxy-2-propanol        | <i>Fresh water</i>           | 10 mg/L           |
|                             | <i>Marine water</i>          | 1 mg/L            |
|                             | <i>Fresh water sediment</i>  | 52.3 mg/kg        |
|                             | <i>Marine water sediment</i> | 5.2 mg/kg         |
|                             | <i>Sewage Treatment</i>      | 100 mg/L          |
|                             | <i>Soil</i>                  | 5.49 mg/kg        |
| Methanol                    | <i>Fresh water</i>           | 154 mg/L          |
|                             | <i>Marine water</i>          | 15.4 mg/L         |
|                             | <i>Fresh water sediment</i>  | 570.4 mg/kg       |
|                             | <i>Marine water sediment</i> | No data available |
|                             | <i>Sewage Treatment</i>      | 100 mg/L          |
|                             | <i>Soil</i>                  | 23.5 mg/kg        |



## BASECOAT READY MIXED COLOUR – Sapphire Black 20R

### 8.2 Exposure controls:

#### Appropriate engineering controls

Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapour or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

### 8.3 Individual protection measures, such as personal protective equipment (PPE)

#### Hygiene measures

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

#### Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles.



#### Skin protection

**For hands,** chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer that can provide information about the breakthrough time of the glove material.

**For body,** Personal protective equipment should be selected based on the task being performed and the risks involved.

**For feet,** appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved.



Protective gloves



Overall



Safety boots

#### Respiratory Protection

When spraying, use air-fed respirator. Gas/vapour filter, type A: organic vapours (EN141). Self-contained breathing apparatus must be available in case of emergency.

#### Environmental exposure



## BASECOAT READY MIXED COLOUR – Sapphire Black 20R

### *controls*

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

## 9. SECTION 9: Physical and Chemical Properties

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

#### Appearance

|   |                |
|---|----------------|
| <i>Physical State</i>                               | Liquid         |
| <i>Colour</i>                                       | Black          |
| <i>Odour</i>  | Characteristic |
| <i>Odour threshold</i>                              | Not available  |
| <i>pH</i>   | Not available  |
| <i>Melting point</i>                                | Not available  |
| <i>Freezing point</i>                               | Not available  |
| <i>Initial boiling point</i>                        | 131°C          |
| <i>Boiling range</i>                                | Not available  |
| <i>Flash point</i>                                  | 24 - 26°C      |
| <i>Evaporation rate</i>                             | Not available  |
| <i>Flammability (solid, gas)</i>                    | Not available  |
| <i>Upper/lower Flammability or Explosive limits</i> | Not available  |
| <i>Vapour pressure</i>                              | 1146 Pa @ 20°C |
| <i>Vapour density</i>                               | Not available  |
| <i>Relative density</i>                             | Not available  |
| <i>Solubility(ies)</i>                              | Not available  |
| <i>Partition coefficient n-octanol/water</i>        | Not available  |
| <i>Auto-ignition temperature</i>                    | 238°C          |
| <i>Decomposition temperature</i>                    | Not available  |
| <i>Viscosity</i>                                    | Not available  |
| <i>Explosive properties</i>                         | Not available  |
| <i>Oxidising properties</i>                         | Not available  |

## 10. SECTION 10: Stability and reactivity

### 10.1 Reactivity:

No specific test data related to reactivity available for this product or its ingredients.

### 10.2 Chemical Stability:



### BASECOAT READY MIXED COLOUR – Sapphire Black 20R

This product is stable.

#### 10.3. Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

#### 10.4. Conditions to avoid

In a fire, hazardous decomposition products may be produced.

#### 10.5. Incompatible materials

Keep away from: oxidising agents, strong alkalis and strong acids.

#### 10.6. Hazardous decomposition products

Decomposition products may include the following materials: carbon monoxide, carbon dioxide and smoke.

## 11. SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

| <i>Ingredient name:</i>   | <i>Acute toxicity test</i>          | <i>Species</i> | <i>Dose</i>    | <i>Exposure</i> |
|---|-------------------------------------|----------------|----------------|-----------------|
| <b>n-Butyl Acetate<br/>Butyl ethanoate</b>  | <i>Oral – LD<sub>50</sub></i>       | Rat            | >10700 mg/kg   |                 |
|   | <i>Dermal – LD<sub>50</sub></i>     | Rabbit         | 17600 mg/kg    |                 |
|   | <i>Inhalation – LC<sub>50</sub></i> | Rat            | >21 mg/L       | 4 hrs           |
| <b>Xylene (mixture of<br/>isomers)</b>  | <i>Oral – LD<sub>50</sub></i>       | Rat            | >3500 mg/kg    |                 |
|   | <i>Dermal – LD<sub>50</sub></i>     | Rabbit         | >4200 mg/kg    |                 |
|   | <i>Inhalation – LC<sub>50</sub></i> | Rat            | >20 mg/L       | 4 hrs           |
| <b>Solvent naphtha<br/>(Petroleum), light<br/>arom. &lt; 0.1% EC 200-<br/>753-7</b> | <i>Oral – LD<sub>50</sub></i>       | Rat            | 2100 mg/kg     |                 |
|   | <i>Dermal – LD<sub>50</sub></i>     | Rabbit         | 2000 mg/kg     |                 |
|   | <i>Inhalation – LC<sub>50</sub></i> |                | Non-applicable |                 |
| <b>Ethyl benzene</b>  | <i>Oral – LD<sub>50</sub></i>       | Rat            | 3500 mg/kg     |                 |
|   | <i>Dermal – LD<sub>50</sub></i>     | Rabbit         | 15354 mg/kg    |                 |
|   | <i>Inhalation – LC<sub>50</sub></i> | Rat            | 17.2 mg/L      | 4 hrs           |



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|                             |                                     |        |                |       |
|-----------------------------|-------------------------------------|--------|----------------|-------|
| <b>2-butoxyethanol</b>      | <i>Oral – LD<sub>50</sub></i>       | Rat    | 500 mg/kg      |       |
|                             | <i>Dermal – LD<sub>50</sub></i>     | Rat    | 1100 mg/kg     |       |
|                             | <i>Inhalation – LC<sub>50</sub></i> | Rat    | 11 mg/L        | 4 hrs |
| <b>1-methoxy-2-propanol</b> | <i>Oral – LD<sub>50</sub></i>       |        | >2000 mg/kg    |       |
|                             | <i>Dermal – LD<sub>50</sub></i>     |        | >2000 mg/kg    |       |
|                             | <i>Inhalation – LC<sub>50</sub></i> |        | Non-applicable |       |
| <b>Methanol</b>             | <i>Oral – LD<sub>50</sub></i>       | Rat    | 100 mg/kg      |       |
|                             | <i>Dermal – LD<sub>50</sub></i>     | Rabbit | 300 mg/kg      |       |
|                             | <i>Inhalation – LC<sub>50</sub></i> | Rat    | 3 mg/L         | 4 hrs |

*Skin corrosion/  
irritation*

**Ingestion** – Based on available data, the classification criteria are not met, however, it does contain substances classified as dangerous for this effect. For more information see section 3.

**Inhalation** – Causes irritation in respiratory passages, which is normally reversible and limited to the upper respiratory passages.

*Serious eye  
damage/irritation*

Based on available Data, the classification criteria are not met. The liquid splashed in the eyes may cause irritation and reversible damage.

*Respiratory or  
skin sensitization*

Based on available data the classification criteria are not met as it does not contain substances classified as dangerous for the effects mentioned. For more information see section 3. Repeated exposure may cause skin dryness or cracking.

*Germ cell  
mutagenicity*

Based on available data the classification criteria are not met as it does not contain substances classified as dangerous for the effects mentioned. For more information see section 3.

*Carcinogenicity*

Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for the effects mentioned. For more information see section 3.

*Reproductive toxicity*

Based on available data, the classification criteria are not met as it does not contain substances classified as dangerous for this effect. For more information see section 3.





### BASECOAT READY MIXED COLOUR – Sapphire Black 20R

*Specific target organ toxicity - single exposure*

Exposure in high concentrations can cause a breakdown in the central nervous system causing headache, dizziness, vertigo, nausea, vomiting, confusion and in serious cases, loss of concentration.

*Specific target organ toxicity - repeated exposure*

Based on available data, the classification criteria are not met, however, it does contain substances classified as dangerous with repeated exposure. For more information see section 3.

*Aspiration hazard*

Based on available data, the classification criteria are not met, however it does contain substances classified as dangerous for this effect. For more information see section 3.

## 12. SECTION 12: Ecological Information

### 12.1. Toxicity

| <i>Ingredient name:</i>  | <i>Acute toxicity test</i> | <i>Genus - Species</i>                                    | <i>Dose</i> | <i>Exposure</i> |
|--|----------------------------|---|-------------|-----------------|
| <b>n-Butyl Acetate</b><br><b>Butyl ethanoate</b>                       | <i>LC</i> <sub>50</sub>    | Fish - Lepomis macrochirus (Bluegill)                     | 100 mg/L    | 96 hrs          |
|  | <i>EC</i> <sub>50</sub>    | Daphnia magna (Water flea)                                | 44 mg/L     | 48 hrs          |
|  | <i>EC</i> <sub>50</sub>    | Algae – Desmodesmus subspicatus (Scenedesmus subspicatus) | 674.7 mg/L  | 72 hrs          |
| <b>Xylene (mixture of isomers)</b>                                     | <i>LC</i> <sub>50</sub>    | Fish - Oncorhynchus mykiss                                | 13.5 mg/L   | 96 hrs          |
|  | <i>EC</i> <sub>50</sub>    | Crustacean - Gammarus lacustris                           | 0.6 mg/L    | 96 hrs          |
|  | <i>EC</i> <sub>50</sub>    | Algae – Skeletonema costatum                              | 10 mg/L     | 72 hrs          |
| <b>Solvent naphtha (Petroleum), light arom. &lt; 0.1% EC 200-753-7</b> | <i>LC</i> <sub>50</sub>    | Fish -  | 1 - 10 mg/L | 96 hrs          |
|  | <i>EC</i> <sub>50</sub>    | Crustacean -  | 1- 10 mg/L  |                 |
|  | <i>EC</i> <sub>50</sub>    | Algae –   | 1 - 10 mg/L |                 |


**BASECOAT READY MIXED COLOUR – Sapphire Black 20R**

|                             |                        |   |             |         |
|-----------------------------|------------------------|---|-------------|---------|
| <b>Ethyl benzene</b>        | <i>LC<sub>50</sub></i> | Fish – Pimephales promelas              | 42.3 mg/L   | 96 hrs  |
|                             | <i>EC<sub>50</sub></i> | Crustacean – Daphnia magna              | 75 mg/L     | 48 hrs  |
|                             | <i>EC<sub>50</sub></i> | Algae – Chlorella vulgaris              | 63 mg/L     | 3 hrs   |
| <b>2-butoxyethanol</b>      | <i>LC<sub>50</sub></i> | Fish - Lepomis macrochirus (Bluegill)   | 1490 mg/L   | 96 hrs  |
|                             | <i>EC<sub>50</sub></i> | Daphnia magna (Water flea)              | 1815 mg/L   | 48 hrs  |
|                             | <i>EC<sub>50</sub></i> | Algae – Pseudokirchnerella subcapitata  | 911 mg/L    | 72 hrs  |
| <b>1-methoxy-2-propanol</b> | <i>LC<sub>50</sub></i> | Fish – Pimephales promelas              | 20800 mg/L  | 96 hrs  |
|                             | <i>EC<sub>50</sub></i> | Crustacean – Daphnia magna              | 23300 mg/L  | 48 hrs  |
|                             | <i>EC<sub>50</sub></i> | Algae – Selenastrum capricornutum       | 1000 mg/L   | 168 hrs |
| <b>Methanol</b>             | <i>LC<sub>50</sub></i> | Fish - Leopomis macrochirus:            | 15400 mg/L  | 96 hrs  |
|                             | <i>EC<sub>50</sub></i> | Crustacean - Daphnia magna (Water flea) | >10000 mg/L | 48 hrs  |
|                             | <i>EC<sub>50</sub></i> | Algae – Selenastrum capricornutum:      | 22000 mg/L  | 96 hrs  |

**12.2. Persistence and degradability**

| <i>Ingredient name:</i>                    | <i>Concentration</i> | <i>Duration of test</i> | <i>% Biodegradability</i> |
|--|----------------------|-------------------------|---------------------------|
| <b>n-Butyl Acetate<br/>Butyl ethanoate</b> | 3 mg/L               | 28 days                 | 83                        |
| <b>Xylene (mixture of isomers)</b>         |                      |                         | Readily biodegradable     |
| <b>Ethyl benzene</b>                       | 100 mg/L             | 14 days                 | 90                        |
| <b>2-butoxyethanol</b>                     | 100 mg/L             | 14 days                 | 96                        |
| <b>1-methoxy-2-propanol</b>                | 100 mg/L             | 28 days                 | 90                        |
| <b>Methanol</b>                            | 100 mg/L             | 14 days                 | 92                        |



### BASECOAT READY MIXED COLOUR – Sapphire Black 20R

#### 12.3. Bioaccumulative potential

| <i>Ingredient name:</i>                                      | <i>BCF</i> | <i>Log P<sub>ow</sub></i> | <i>Potential</i> |
|--|------------|---------------------------|------------------|
| n-Butyl Acetate<br>Butyl ethanoate                           | 15.3       | 2.3                       | Low              |
| Xylene (mixture of isomers)                                  | 9          | 2.77                      | Low              |
| Solvent naphtha (Petroleum), light arom. < 0.1% EC 200-753-7 |            | 4                         |                  |
| Ethyl benzene  | 1          | 3.15                      | Low              |
| 2-butoxyethanol  | 3          | 0.83                      | Low              |
| 1-methoxy-2-propanol   | 3          | -0.44                     | Low              |
| Methanol   | 10         | -0.77                     | Low              |

#### 12.4. Mobility in soil

| <i>Ingredient name:</i>            | <i>K<sub>oc</sub></i> | <i>HLC</i><br>(Henry's law constant) | <i>Surface tension</i> |
|------------------------------------|-----------------------|--------------------------------------|------------------------|
| n-Butyl Acetate<br>Butyl ethanoate | < 70                  | 41.6 Pa m <sup>3</sup> /mol @ 25°C   | No data available      |
| Xylene (mixture of isomers)        | 202                   | 524.9 Pa.m <sup>3</sup> /mol         | No data available      |
| Ethyl benzene                      | 520                   | 798.4 Pa.m <sup>3</sup> /mol         | 28590 N/m (25C)        |
| 2-butoxyethanol                    | 8                     | 1.621E-1 Pa.m <sup>3</sup> /mol      | 27290 N/m (25C)        |
| Methanol                           | 9                     | 0.461 Pa m <sup>3</sup> /mol @ 25°C  | No data available      |

#### 12.5. Results of PBT and vPvB assessment

This product is not identified as a PBT/vPvB substance.



### BASECOAT READY MIXED COLOUR – Sapphire Black 20R

#### 12.6. Other adverse effects

No known significant effects or critical hazards.

### 13. SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

**Disposal methods** The generation of waste should be avoided or minimised wherever possible. Disposal of this product, should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

*Classification of waste according to Commission Regulation (EU) No 1357/2014*

*European waste catalogue (EWC)*

| <i>Waste code</i> | <i>Description</i>   |
|-------------------|--|
| 08 01 11*         | Waste paint and varnish containing organic solvents or other dangerous substances. |

*Packaging*

| <i>Waste code</i> | <i>Description</i> |
|-------------------|--------------------|
| 15 01 04          | Metallic cans      |

### 14. SECTION 14: Transport information

|       |                                   | <i>Land</i>            | <i>Inland<br/>Waterways</i> | <i>Sea</i>             | <i>Air</i>             |
|-------|-----------------------------------|------------------------|-----------------------------|------------------------|------------------------|
|       |                                   | <i>ADR/RID</i>         | <i>ADN</i>                  | <i>IMDG</i>            | <i>ICAO</i>            |
| 14.1. | <i>UN number</i>                  | UN1263                 |                             | UN1263                 | UN1263                 |
| 14.2. | <i>UN proper shipping name</i>    | Paint Related Material |                             | Paint Related Material | Paint Related Material |
| 14.3. | <i>Transport hazard class(es)</i> | 3                      |                             | 3                      | 3                      |
| 14.4. | <i>Packing group</i>              | III                    |                             | III                    | III                    |



**BASECOAT READY MIXED COLOUR – Sapphire Black 20R**

|       |   |                        |                       |                |
|-------|---|------------------------|-----------------------|----------------|
| 14.5. | <i>Environmental hazards<br/>Environmentally hazardous -<br/>Marine pollutant -----</i> | No<br>-                | -<br>No               | No<br>-        |
| 14.6  | <i>Special precautions for user</i>   |                        |                       |                |
|       | <i>Special regulations</i>  | 163, 367,<br>640E, 650 | 163, 223, 944,<br>955 |                |
|       | <i>Tunnel restriction code</i>  | D/E                    |                       |                |
|       | <i>EmS codes</i>  |                        | F-E, S-E              |                |
|       | <i>Physico-chemical properties</i>  | See section 9          | See section 9         | See section 9  |
|       | <i>Limited quantities</i>   | 5L                     | 5L                    |                |
| 14.7  | <i>Transport in bulk according<br/>to Annex II of MARPOL<br/>73/78 and the IBC Code</i> | Non-<br>applicable     | Non-<br>applicable    | Non-applicable |

**15. SECTION 15: Regulatory information**

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

*EU Regulation (EC) No. 1907/2006 (REACH) Annex XIV - List of substances subject to authorisation.*

None of the ingredients of this mixture are listed in Annex XIV.

*Annex XVII – Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles.*

Not applicable.

**15.2. Chemical safety assessment**

No Chemical Safety Assessment has been carried out.

**16. SECTION 16: Other information**

*This safety data sheet conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Regulation (EU) No. 2015/830.*

*Abbreviations*



### BASECOAT READY MIXED COLOUR – Sapphire Black 20R

#### *and Acronyms*

|                     |   |  |
|---------------------|---|--|
| DNEL                | - | Derived No Effect Level  |
| PNEC                | - | Predicted No Effect Concentration  |
| EUH statement       | - | CLP-specific Hazard statement  |
| ADR                 | - | European agreement concerning the international carriage of dangerous goods by road. |
| IMDG                | - | International maritime dangerous goods code.   |
| IATA                | - | International Air Transport Association.   |
| ICAO                | - | International Civil Aviation Organisation.   |
| BCF                 | - | Bio Concentration Factor   |
| LD <sub>50</sub>    | - | Lethal Dose 50   |
| LC <sub>50</sub>    | - | Lethal Concentration 50  |
| EC <sub>50</sub>    | - | Effective Concentration 50   |
| Log P <sub>ow</sub> | - | Octanol-water partition coefficient  |
| K <sub>oc</sub>     | - | Partition coefficient of organic carbon  |
| ATEi                | - | Acute Toxicity Estimate of ingredient i.   |

#### *Full Text of Physical Hazards*

H226 – Flammable liquid and vapour.

#### *Full Text of Health Hazards*

H315 - Causes skin irritation.  
H336 - May cause drowsiness or dizziness.

#### *Full Text of Environmental Hazards*

H412 - Harmful to aquatic life with long lasting effects.

#### *Full Text of CLP/GHS Classifications*

|                       |           |   |
|-----------------------|-----------|---|
| Flam. Liq. 2          | H225      | Highly flammable liquid and vapour                                |
| Flam. Liq. 3          | H226      | Flammable liquid and vapour                                       |
| Acute Tox. 3          | H301      | Toxic if swallowed.   |
| Acute Tox. 4          | H302      | Harmful if swallowed  |
| Asp. Tox. 1           | H304      | May be fatal if swallowed and enters airways                      |
| Acute Tox. 3          | H311      | Toxic in contact with skin.                                       |
| Acute Tox. 4          | H312+H332 | Harmful in contact with skin or if inhaled                        |
| Skin Irrit. 2         | H315      | Causes skin irritation  |
| Eye Irrit. 2,         | H319      | Causes serious eye irritation.                                    |
| Acute Tox. 3,         | H331      | Toxic if inhaled  |
| Acute Tox. 4          | H332      | Harmful if inhaled  |
| STOT SE 3             | H335      | May cause respiratory irritation                                  |
| STOT SE 3             | H336      | May cause drowsiness or dizziness.                                |
| STOT Single 1,        | H370      | Causes damage to organs.  |
| STOT RE 2             | H373      | May cause damage to organs through prolonged or repeated exposure |
| Aquatic<br>Chronic 2, | H411      | Toxic to aquatic life with long lasting effects.                  |

**BASECOAT READY MIXED COLOUR – Sapphire Black 20R**

EUH066 Repeated exposure may cause skin dryness or cracking.

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**About this Safety Data Sheet.**

The United Nations developed a ‘Globally Harmonised System’ (GHS) on classification and labelling of chemicals and the CLP Regulation adopts this system across all European Union countries, including the UK.

‘CLP’ is the European Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.

Churchill safety data sheets conform to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Regulation (EU) No. 2015/830 - United Kingdom (UK).

When changes are required to Safety Data Sheets, these will be highlighted in the subsequent revision with a red bar to the left hand side of the change.

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**Disclaimer**

The information contained in this safety data sheet is based on the state of knowledge and national legislation at the time of the ‘revision date’ shown on page 1. Further updates to this safety data sheet, in line with changes to legislation and technical knowledge, will be available from Churchill Paints or the Churchill website. Contact Churchill Paints for the latest revision. This safety data sheet provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications. It is the user's responsibility to ascertain the suitability of the product for a specific use. As the specific conditions-of-use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with.

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