

## Centrecoat MMA - Catalyst Component

Compilation date: 29/10/2019 Revision date: 29/10/2019 Revision No: 1

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

#### 1.1. Product identifier

|              |                         |
|--------------|-------------------------|
| Product name | Centrecoat MMA Catalyst |
| CAS No.      | 94-36-0                 |
| EC No.       | 202-327-6               |

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

|             |   |
|-------------|---|
| Product Use | [SU3] Industrial uses: Uses of substances as such or in preparations at industrial sites; [PC9a] Coatings and paints, thinners, paint removers;<br>-----<br>[SU3] Industrial uses: Uses of substances as such or in preparations at industrial sites; |
|-------------|---|

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

|           |   |
|-----------|---|
| Company   | Promain UK Limited  |
| Address   | Promain House<br>C1 Pierson Court<br>Knowl Piece, Hitchin<br>Hertfordshire<br>SG4 0TY |
| Web       | www.promain.co.uk   |
| Telephone | 01462 421333  |
| Fax       | -   |
| Email     | info@promain.co.uk  |

#### 1.4. Emergency telephone number





|                            |  |
|----------------------------|--|
| Emergency telephone number | 01462 421333<br>8.30am - 5.30pm Mon - Thurs. 8.30am - 4.30pm Fri |
|----------------------------|--|

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

|                                      |  |
|--------------------------------------|--|
| 2.1.2. Classification - EC 1272/2008 | Self-react. CD: H242; Skin Sens. 1: H317; Eye Irrit. 2: H319; Repr. 2: H361f; Aquatic Acute 1: H400; |
|--------------------------------------|--|

#### 2.2. Label elements

|                   |  |
|-------------------|--|
| Hazard pictograms |     |
| Signal Word       | Danger   |
| Hazard Statement  | Self-react. CD: H242 - Heating may cause a fire.<br>Skin Sens. 1: H317 - May cause an allergic skin reaction.  |

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## 2.2. Label elements

|  |  |
|--|--|
| <b>Precautionary Statement:<br/>Prevention</b> | Eye Irrit. 2: H319 - Causes serious eye irritation.<br>Repr. 2: H361f - Suspected of damaging fertility.<br>Aquatic Acute 1: H400 - Very toxic to aquatic life.  |
|  | P201 - Obtain special instructions before use.<br>P202 - Do not handle until all safety precautions have been read and understood.<br>P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.<br>P220 - Keep/Store away from clothing//combustible materials.<br>P234 - Keep only in original container.<br>P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.<br>P264 - Wash thoroughly after handling.<br>P272 - Contaminated work clothing should not be allowed out of the workplace.<br>P273 - Avoid release to the environment.<br>P280 - Wear protective gloves/protective clothing/eye protection/face protection. |
| <b>Precautionary Statement:<br/>Response</b>   | P302+P352 - IF ON SKIN: Wash with plenty of water/ .<br>P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.<br>P308+P313 - IF exposed or concerned: Get medical advice/attention.<br>P321 - Specific treatment (see on this label).<br>P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.<br>P337+P313 - If eye irritation persists: Get medical advice/attention.<br>P370+P378 - In case of fire: Use to extinguish.<br>P391 - Collect spillage.  |
| <b>Precautionary Statement:<br/>Storage</b>    | P403+P235 - Store in a well-ventilated place. Keep cool.<br>P405 - Store locked up.<br>P411 - Store at temperatures not exceeding °C/°F.<br>P420 - Store away from other materials.  |
| <b>Precautionary Statement:<br/>Disposal</b>   | P501 - Dispose of contents/container to  |

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

#### EC 1272/2008

| Chemical Name  | Index No. | CAS No. | EC No.    | REACH Registration Number | Conc. (%w/w) | Classification   |
|--|-----------|---------|-----------|---------------------------|--------------|--|
| Dibenzoyl Peroxide & Dicyclohexyl phthalate blend (Dibenzoyl peroxide) |           | 94-36-0 | 202-327-6 | 01-2119511472-50          |              | Self-react. CD: H242; Skin Sens. 1: H317; Eye Irrit. 2: H319; Repr. 2: H361f; Aquatic Acute 1: H400; |

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

|                     |   |
|---------------------|---|
| <b>Inhalation</b>   | Move the exposed person to fresh air.   |
| <b>Eye contact</b>  | Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing. |
| <b>Skin contact</b> | Wash off immediately with plenty of soap and water. Remove contaminated clothing.   |
| <b>Ingestion</b>    | Rinse mouth thoroughly. DO NOT INDUCE VOMITING. Immediately call a poison center.   |

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

|                     |  |
|---------------------|--|
| <b>Inhalation</b>   | Irritating to respiratory system.        |
| <b>Eye contact</b>  | Irritating to eyes.                      |
| <b>Skin contact</b> | May cause sensitisation by skin contact. |
| <b>Ingestion</b>    | Ingestion may cause nausea and vomiting. |

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

|              |   |
|--------------|---|
| Inhalation   | Seek medical attention if irritation or symptoms persist. |
| Eye contact  | Seek medical attention if irritation or symptoms persist. |
| Skin contact | Seek medical attention if irritation or symptoms persist. |
| Ingestion    | Seek medical attention.                                   |

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

|  |  |
|--|--|
|  | Use extinguishing media appropriate to the surrounding fire conditions. Carbon dioxide (CO2). Dry chemical. Foam. Sand. Water spray. Do NOT use halones. |
|--|--|

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

|  |   |
|--|---|
|  | Burning produces irritating, toxic and obnoxious fumes. |
|--|---|

### 5.3. Advice for firefighters

|  |  |
|--|--|
|  | Wear self-contained breathing apparatus. If involved in a fire, this will support combustion. Dust explosion hazard. Caution: reignition may occur. Do not allow runoff water to enter sewers or drains. |
|--|--|

## SECTION 6: Accidental release measures

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

|  |   |
|--|---|
|  | Ensure adequate ventilation of the working area. Avoid contact with skin and eyes. Do not breathe dust. |
|--|---|

### 6.2. Environmental precautions

|  |   |
|--|---|
|  | Do not allow product to enter drains. Prevent further spillage if safe. |
|--|---|

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

|  |   |
|--|---|
|  | Sweep up. Eliminate all sources of ignition. Dispose of this material and its container to hazardous or special waste collection point. |
|--|---|

### 6.4. Reference to other sections

|  |   |
|--|---|
|  | See section 13 for further information. |
|--|---|

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

|  |   |
|--|---|
|  | Ensure adequate ventilation of the working area. Adopt best Manual Handling considerations when handling, carrying and dispensing. Avoid contact with eyes and skin. Avoid formation of dust. Avoid release to the environment. Refer to special instructions/Safety data sheets. Avoid sparks, flames, heat and sources of ignition. Do not breathe dust. Eliminate all sources of ignition. Wear suitable gloves. Wear suitable respiratory equipment when necessary. |
|--|---|

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

|  |   |
|--|---|
|  | Keep in a cool, dry, well ventilated area. Avoid release to the environment. Refer to special instructions/Safety data sheets. Do NOT mix with any other product. Handle and open container with care. Keep away from food, drink and animal feedingstuffs. Keep away from heat. Keep away from incompatible materials. Keep away from sources of ignition - No smoking. Keep container dry. Keep container tightly closed. Keep locked up and out of the reach of children. Keep only in the original container. Protect from frost. |
|--|---|

### 7.3. Specific end use(s)

|  |  |
|--|--|
|  | See section 1.2 for further information. |
|--|--|

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

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## 8.1.1. Exposure Limit Values

|  |  |  |
|--|--|--|
| Resbuild MMA Flexgrip -<br>Catalyst (Dibenzoyl peroxide) | WEL 8-hr limit ppm: -                            | WEL 8-hr limit mg/m3: 5                            |
|  | WEL 15 min limit ppm: -                          | WEL 15 min limit mg/m3: -                          |
|  | WEL 8-hr limit mg/m3 total -<br>inhalable dust:  | WEL 15 min limit mg/m3 total -<br>inhalable dust:  |
|  | WEL 8-hr limit mg/m3 total -<br>respirable dust: | WEL 15 min limit mg/m3 total -<br>respirable dust: |
|  |  |  |
|  |  |  |

## 8.2. Exposure controls

|   |  |
|---|--|
|   |  |
| 8.2.1. Appropriate engineering controls | Ensure adequate ventilation of the working area.                                   |
| 8.2.2. Individual protection measures   | Wear protective clothing.  |
| Eye / face protection                   | Wear suitable protective clothing and eye/face protection.                         |
| Skin protection -<br>Handprotection     | Wear suitable gloves.  |
| Respiratory protection                  | Suitable respiratory equipment.  |
| 8.2.3. Environmental exposure controls  | Do not allow product to enter drains.  |

## SECTION 9: Physical and chemical properties

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

|  |                                     |
|--|-------------------------------------|
| Appearance                                 | Powder                              |
| Colour                                     | White                               |
| Odour                                      | Slight                              |
| Odour threshold                            | No data available                   |
| pH   | No data available                   |
| Melting point                              | No data available                   |
| Freezing Point                             | No data available                   |
| Initial boiling point                      | No data available                   |
| Evaporation rate                           | No data available                   |
| Flammability (solid, gas)                  | No data available                   |
| Vapour pressure                            | No data available                   |
| Vapour density                             | No data available                   |
| Relative density                           | 1.23 (H <sub>2</sub> O = 1 @ 20 °C) |
| Fat Solubility                             | No data available                   |
| Partition coefficient<br>(n-octanol/water) | Not applicable.                     |
| Partition coefficient                      | Not applicable.                     |
| Autoignition temperature                   | Not applicable.                     |
| Viscosity                                  | Not applicable.                     |
| Explosive properties                       | Not applicable.                     |
| Oxidising properties                       | Not applicable.                     |
| Solubility                                 | Insoluble in water                  |

### 9.2. Other information

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## 9.2. Other information

|                                  |                   |
|----------------------------------|-------------------|
| SADT                             | 55 °C             |
| Conductivity                     | No data available |
| Surface tension                  | No data available |
| Bulk Density                     | No data available |
| Gas group                        | No data available |
| Benzene Content                  | 0 %               |
| Lead content                     | 0 %               |
| VOC (Volatile organic compounds) | 0 g/l             |

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Stable under normal conditions.

### 10.2. Chemical stability

Decomposition will start at 55°C.

### 10.3. Possibility of hazardous reactions

Heavy Metals. Acids. Alkalis. Reducing agents.

### 10.4. Conditions to avoid

Avoid formation of dust. Avoid sparks, flames, heat and sources of ignition.

### 10.5. Incompatible materials

Rust, Iron, Copper.

### 10.6. Hazardous decomposition products

Benzoic Acid, Benzene.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

|                                   |  |
|-----------------------------------|--|
| Skin corrosion/irritation         | May cause irritation to skin.            |
| Serious eye damage/irritation     | May cause irritation to eyes.            |
| Respiratory or skin sensitisation | May cause sensitisation by skin contact. |
| Germ cell mutagenicity            | No Significant Hazard.                   |
| Carcinogenicity                   | No Significant Hazard.                   |
| Aspiration hazard                 | No Significant Hazard.                   |
| Repeated or prolonged exposure    | Suspected of damaging fertility.         |

#### 11.1.4. Toxicological Information

|   |                            |
|---|----------------------------|
| Dibenzoyl Peroxide & Dicyclohexyl phthalate blend | Oral Rat LD50: >5,000mg/kg |
|---|----------------------------|

## SECTION 12: Ecological information

### 12.1. Toxicity

|   |                               |                             |
|---|-------------------------------|-----------------------------|
| Dibenzoyl Peroxide & Dicyclohexyl phthalate blend | Daphnia EC50/48h: 0.1100 mg/l | Algae IC50/72h: 0.0600 mg/l |
|   | Fish LC50/96h: 0.0600 mg/l    |                             |

### 12.2. Persistence and degradability

No data is available on this product.

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## 12.3. Bioaccumulative potential

BCF 66.6.

## Partition coefficient

Resbuild MMA Flexgrip - Catalyst Not applicable.

## 12.4. Mobility in soil

No data is available on this product.

## 12.5. Results of PBT and vPvB assessment

No data is available on this product.

## 12.6. Other adverse effects

Very toxic to aquatic organisms.

## SECTION 13: Disposal considerations

### General information

16 09 03 peroxides, for example hydrogen peroxide.

Dispose of in compliance with all local and national regulations. This material and its container must be disposed of as hazardous waste.

### Disposal methods

Dispose of this material and its container to hazardous or special waste collection point. The generation of waste should be avoided or minimised wherever possible. Significant quantities of waste product residues should not be disposed of via the foul sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by products should at all times comply with the requirements of environmental protection and waste disposal legislation and any local authority requirements. Waste packaging should be recycled if possible. Incineration should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned. Empty containers or liners may still contain residue. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

### Disposal of packaging

Do NOT mix with any other product. Do not pierce or burn, even after use. Do NOT reuse empty containers. This material and its container must be disposed of as hazardous waste.

## SECTION 14: Transport information

### Hazard pictograms



### 14.1. UN number

UN3106

### 14.2. UN proper shipping name

ORGANIC PEROXIDE, TYPE D, SOLID (Dibenzoyl Peroxide)

### 14.3. Transport hazard class(es)

ADR/RID

5.2

Subsidiary risk

-

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|   |  |
|---|--|
| <b>14.3. Transport hazard class(es)</b>   |  |
| IMDG  | 5.2  |
| Subsidiary risk   | -  |
| IATA  | 5.2  |
| Subsidiary risk   | -  |
| <b>14.4. Packing group</b>  |  |
| Packing group   | -  |
| <b>14.5. Environmental hazards</b>  |  |
| Environmental hazards   | Yes  |
| Marine pollutant  | Yes  |
| <b>14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>                       |  |
|   | For further advise contact manufacturer.   |
| <b>ADR/RID</b>  |  |
| Hazard ID   | -  |
| Tunnel Category   | (D)  |
| <b>IMDG</b>   |  |
| EmS Code  | F-J S-R  |
| <b>IATA</b>   |  |
| Packing Instruction (Cargo)   | 570  |
| Maximum quantity  | 10 kg  |
| Packing Instruction (Passenger)   | 570  |
| Maximum quantity  | 5 kg   |
| <b>Further information</b>  |  |
|   | The product is not classified as dangerous for carriage.   |
| <b>SECTION 15: Regulatory information</b>   |  |
| <b>15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture</b> |  |
| Regulations   | <p>COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.</p> <p>REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.</p> |
| <b>15.2. Chemical safety assessment</b>   |  |
|   | This product contains substances for which Chemical Safety Assessments are still required.   |
| <b>SECTION 16: Other information</b>  |  |
| <b>Other information</b>  |  |
| Revision  | This document differs from the previous version in the following areas:<br>4 - Eye contact.  |

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**Other information**

|   |  |
|---|--|
| <b>Text of Hazard Statements in Section 3</b> | Self-react. CD: H242 - Heating may cause a fire.<br>Skin Sens. 1: H317 - May cause an allergic skin reaction.<br>Eye Irrit. 2: H319 - Causes serious eye irritation.<br>Repr. 2: H361f - Suspected of damaging fertility.<br>Aquatic Acute 1: H400 - Very toxic to aquatic life. |
| <b>Maximum content of VOC</b>                 | 0 g/l.   |

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**Further information**

|  |  |
|--|--|
|  | The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. |
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