

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 04.09.2014

Version number 1

Revision: 04.09.2014

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

### · 1.1 Product identifier

· Trade name: **TREMCO CP510**

· MSDS code: W-T-CP510

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

No further relevant information available.

· Application of the substance / the mixture Catalyst

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

#### · Manufacturer/Supplier:

tremco illbruck Coatings Ltd  
Coupland Road, Hindley Green, Wigan, WN2 4HT  
Tel: +44 (0) 1942251400, Fax: +44 (0) 1942251410  
msds@tremco-illbruck.com

#### · Further information obtainable from:

tremco illbruck Ltd  
Coupland Road, Hindley Green, Wigan, WN2 4HT  
T: +44 (0) 1942251400, F: +44 (0) 1942251410  
www.tremco-illbruck.co.uk, uk.info@tremco-illbruck.com

### · 1.4 Emergency telephone number:

During office hours tel.: +44 (0) 1942251400. At all other times please contact your national poisoning centre.

## **SECTION 2: Hazards identification**

### · 2.1 Classification of the substance or mixture

#### · Classification according to Regulation (EC) No 1272/2008

Org. Perox. CD	H242	Heating may cause a fire.
Repr. 2	H361f	Suspected of damaging fertility.
Aquatic Acute 1	H400	Very toxic to aquatic life.
Aquatic Chronic 1	H410	Very toxic to aquatic life with long lasting effects.
Eye Irrit. 2	H319	Causes serious eye irritation.
Skin Sens. 1	H317	May cause an allergic skin reaction.

#### · Classification according to Directive 67/548/EEC or Directive 1999/45/EC

Xn; Harmful

R62: Possible risk of impaired fertility.

Xi; Irritant

R36: Irritating to eyes.

Xi; Sensitising

R43: May cause sensitisation by skin contact.

O; Oxidising

R7: May cause fire.

N; Dangerous for the environment

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R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

- **Information concerning particular hazards for human and environment:**

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

- **Classification system:**

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

- **2.2 Label elements**

- **Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the CLP regulation.

- **Hazard pictograms**



GHS02 GHS07 GHS08 GHS09

- **Signal word** Danger

- **Contains:**

dicyclohexyl phthalate  
dibenzoyl peroxide

- **Hazard statements**

H242 Heating may cause a fire.  
H319 Causes serious eye irritation.  
H317 May cause an allergic skin reaction.  
H361f Suspected of damaging fertility.  
H410 Very toxic to aquatic life with long lasting effects.

- **Precautionary statements**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P280 Wear protective gloves / eye protection / face protection.  
P273 Avoid release to the environment.  
P234 Keep only in original container.  
P202 Do not handle until all safety precautions have been read and understood.  
P308+P313 IF exposed or concerned: Get medical advice/attention.  
P403+P235 Store in a well-ventilated place. Keep cool.

- **2.3 Other hazards**

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

## SECTION 3: Composition/information on ingredients

- **3.2 Mixtures**

- **Description:** Mixture of substances listed below with non-hazardous additions.

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**· Dangerous components:**

CAS: 84-61-7 EINECS: 201-545-9 Reg.nr.: 01-2119978223-34-xxxx	dicyclohexyl phthalate Xn R62; Xi R43 R53 Repr. 2, H361f; Skin Sens. 1, H317; Aquatic Chronic 4, H413	30- <50%
CAS: 94-36-0 EINECS: 202-327-6 Reg.nr.: 01-2119511472-50-xxxx	dibenzoyl peroxide Xi R36; Xi R43; E R3; N R50/53 Org. Perox. B, H241; Aquatic Acute 1, H400; Eye Irrit. 2, H319; Skin Sens. 1, H317	30- <50%

· **Additional information:** For the wording of the listed risk phrases refer to section 16.

**SECTION 4: First aid measures****· 4.1 Description of first aid measures****· General information:**

Take affected persons out of danger area and lay down.

Immediately remove any clothing soiled by the product.

In case of accident or if you feel unwell, seek medical advice (show this safety data if possible).

**· 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.

If skin irritation continues, consult a doctor.

**· After eye contact:**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

**· After swallowing:** Do not induce vomiting; call for medical help immediately.**· 4.2 Most important symptoms and effects, both acute and delayed**

Irritating to eyes.

May cause an allergic skin reaction.

Coughing

**· Information for doctor:** No further relevant information available.**· Hazards** No further relevant information available.**· 4.3 Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

**SECTION 5: Firefighting measures****· 5.1 Extinguishing media****· Suitable extinguishing agents:**

CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

**· For safety reasons unsuitable extinguishing agents:** Gaseous extinguishing agents**· 5.2 Special hazards arising from the substance or mixture**

Can form explosive gas-air mixtures.

Heating may cause a fire.

Formation of toxic gases is possible during heating or in case of fire.

Carbon monoxide (CO)

Carbon dioxide

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Benzene

Benzoic acid

- **5.3 Advice for firefighters**

- **Protective equipment:**

Wear self-contained respiratory protective device.

Wear fully protective suit.

- **Additional information**

Cool endangered receptacles with water spray.

Collect contaminated fire fighting water separately. It must not enter the sewage system.

**SECTION 6: Accidental release measures**

- **6.1 Personal precautions, protective equipment and emergency procedures**

Remove persons from danger area.

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

Avoid formation of dust.

Keep away from ignition sources.

- **6.2 Environmental precautions:**

Do not allow product to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage system.

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

Do not breathe dust.

Pick up mechanically.

Do not allow to dry out

Ensure adequate ventilation.

Clean the affected area carefully; suitable cleaners are:

Warm water

Dispose of the material collected according to regulations.

- **6.4 Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

**SECTION 7: Handling and storage**

- **7.1 Precautions for safe handling**

Prevent formation of dust.

Ensure good ventilation/exhaustion at the workplace.

Avoid contact with the eyes and skin.

- **Information about fire - and explosion protection:**

Keep ignition sources away - Do not smoke.

Protect from heat.

Protect against electrostatic charges.

- **7.2 Conditions for safe storage, including any incompatibilities**

- **Storage:**

- **Requirements to be met by storerooms and receptacles:**

Store only in unopened original receptacles.

- **Information about storage in one common storage facility:**

Do not store together with reducing agents, heavy-metal compounds, acids and alkalis.

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- Protect from heat and direct sunlight.
- **Further information about storage conditions:**
  - Keep container tightly sealed.
  - Store in cool, dry conditions in well sealed receptacles.
  - Storage temperature: +5 °C to +25 °C
- **7.3 Specific end use(s)** No further relevant information available.

## SECTION 8: Exposure controls/personal protection

### · 8.1 Control parameters

#### · Ingredients with limit values that require monitoring at the workplace:

##### **84-61-7 dicyclohexyl phthalate**

WEL | Long-term value: 5 mg/m<sup>3</sup>

##### **94-36-0 dibenzoyl peroxide**

WEL | Long-term value: 5 mg/m<sup>3</sup>

- **Additional information:**
  - The lists valid during the making were used as basis.
  - EH40/2005 Workplace Exposure Limits (2nd edition, 2011)
- **8.2 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.
  - Do not breathe dust.
  - Do not eat, drink, smoke or sniff while working.
- **Respiratory protection:**
  - Use only in well-ventilated areas.
  - Prevent formation of dust.
  - Use suitable respiratory protective device in case of insufficient ventilation.



Dust/Particulate mask.

Filter P1

### · Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

### · Material of gloves

Nitrile rubber, NBR  
Butyl rubber, BR  
Neoprene 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

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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 through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye protection:**



Tightly sealed goggles

- **Body protection:** Protective work clothing

## SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

Form: Powder

Colour: White

- **Odour:** Mild

- **Melting point/Melting range:** Undetermined.

- **Flash point:** Not applicable.

- **Flammability (solid, gaseous):** Organic peroxide  
May cause fire.

- **Danger of explosion:** Risk of explosion by shock, friction, fire or other sources of ignition.

- **Explosion limits:**  
Oxidizing properties 50 %

- **Density at 20 °C:** 1.23 g/cm<sup>3</sup>

- **Solubility in / Miscibility with water:** Insoluble.

- **Partition coefficient (n-octanol/water) at 25 °C:** 4.82 log POW

- **Solvent content:**

Solids content: 100.0 %

- **9.2 Other information** SADT : 55 °C

## SECTION 10: Stability and reactivity

- **10.1 Reactivity** Stable

- **10.2 Chemical stability**

- **Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

- **10.3 Possibility of hazardous reactions**

Reacts with heavy metals.

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Reacts with reducing agents.

Reacts with alkali, amines and strong acids.

Reacts with oxidizing agents.

- **10.4 Conditions to avoid**

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Shock / friction

Confinement must be avoided

- **10.5 Incompatible materials:** No further relevant information available.

- **10.6 Hazardous decomposition products:**

Benzene

Benzoic acid

## SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**

- **Acute toxicity:**

- **LD/LC50 values relevant for classification:**

**84-61-7 dicyclohexyl phthalate**

Oral | LD50 | 30000 mg/kg (rat)

- **Primary irritant effect:**

- **on the skin:** Slight irritation possible

- **on the eye:** Causes serious eye irritation.

- **Sensitization:** Sensitization possible through skin contact.

- **Additional toxicological information:**

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

Irritant

- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

Suspected of damaging fertility.

Repr. 2

## SECTION 12: Ecological information

- **12.1 Toxicity**

- **Aquatic toxicity:** No further relevant information available.

- **12.2 Persistence and degradability** Easily biodegradable

- **12.3 Bioaccumulative potential** BCF = ~85

- **12.4 Mobility in soil**

log Pow = 4.82 (25 °C)

log Koc = ~3.46

- **Ecotoxicological effects:**

- **Remark:** Very toxic for fish

- **Additional ecological information:**

- **General notes:**

Do not allow product to reach ground water, water course or sewage system, even in small quantities.

Also poisonous for fish and plankton in water bodies.

Very toxic for aquatic organisms

May cause long lasting harmful effects to aquatic life.

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- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

### SECTION 13: Disposal considerations



- **13.1 Waste treatment methods**
- **Recommendation**  
Must not be disposed together with household garbage. Do not allow product to reach sewage system.  
Disposal must be made according to official regulations.
- **Waste disposal key:** UK : H2 H4 H10 H14

- **European waste catalogue**

16 09 03*	peroxides, for example hydrogen peroxide
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- **Uncleaned packaging:**
- **Recommendation:**  
Dispose of packaging according to regulations on the disposal of packagings.  
Packagings that may not be cleansed are to be disposed of in the same manner as the product.

### SECTION 14: Transport information

- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li>· <b>14.1 UN-Number</b></li> <li>· <b>ADR, IMDG, IATA</b></li> </ul>   | UN3106  |
| <ul style="list-style-type: none"> <li>· <b>14.2 UN proper shipping name</b></li> <li>· <b>ADR</b></li> <li>· <b>IMDG</b></li> <li>· <b>IATA</b></li> </ul>   | 3106 ORGANIC PEROXIDE TYPE D, SOLID (dibenzoyl peroxide), ENVIRONMENTALLY HAZARDOUS<br>ORGANIC PEROXIDE TYPE D, SOLID (dibenzoyl peroxide), MARINE POLLUTANT<br>ORGANIC PEROXIDE TYPE D, SOLID (dibenzoyl peroxide) |
| <ul style="list-style-type: none"> <li>· <b>14.3 Transport hazard class(es)</b></li> <li>· <b>ADR, IMDG</b></li> </ul>  |   |
| <div style="display: flex; align-items: center; gap: 10px;">   </div> |   |
| <ul style="list-style-type: none"> <li>· <b>Class</b></li> <li>· <b>Label</b></li> </ul>  | 5.2 Organic peroxides.<br>5.2   |

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## · IATA



· Class 5.2 Organic peroxides.  
· Label 5.2

## · 14.4 Packing group

· ADR, IMDG, IATA Void

## · 14.5 Environmental hazards:

· Marine pollutant: Yes  
Symbol (fish and tree)  
· Special marking (ADR): Symbol (fish and tree)

## · 14.6 Special precautions for user

Warning: Organic peroxides.

· EMS Number: F-J,S-R

## · 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

## · Transport/Additional information:

## · ADR

· Limited quantities (LQ) 500 g  
· Excepted quantities (EQ) Code: E0  
Not permitted as Excepted Quantity

· Tunnel restriction code D

## · IMDG

· Limited quantities (LQ) 500 g  
· Excepted quantities (EQ) Code: E0  
Not permitted as Excepted Quantity

## · IATA

SP: A14, A20

## · UN "Model Regulation":

UN3106, ORGANIC PEROXIDE TYPE D, SOLID (dibenzoyl peroxide), ENVIRONMENTALLY HAZARDOUS, 5.2

### SECTION 15: Regulatory information

#### · 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Directive 1999/45/EC.

"CLP" Regulation (EC) No 1272/2008 (OJ L 353, 31.12.2008, p.1).

"CHIP" SI 2009 No.716.

"REACH" Regulation (EC) No 1907/2006 (OJ L 396, 30.12.2006, p.1, with subsequent amendments).

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- **National regulations:**
- **Information about limitation of use:**  
Employment restrictions concerning juveniles must be observed.  
Employment restrictions concerning pregnant and lactating women must be observed.
- **Other regulations, limitations and prohibitive regulations**
- **Substances of very high concern (SVHC) according to REACH, Article 57** Not applicable.
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

**SECTION 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.

- **Relevant phrases**
  - H241 Heating may cause a fire or explosion.
  - H317 May cause an allergic skin reaction.
  - H319 Causes serious eye irritation.
  - H361f Suspected of damaging fertility.
  - H400 Very toxic to aquatic life.
  - H413 May cause long lasting harmful effects to aquatic life.
  - R3 Extreme risk of explosion by shock, friction, fire or other sources of ignition.
  - R36 Irritating to eyes.
  - R43 May cause sensitisation by skin contact.
  - R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
  - R53 May cause long-term adverse effects in the aquatic environment.
  - R62 Possible risk of impaired fertility.
- **Previous Revision Date:** 08-11-2011
- **Abbreviations and acronyms:**
  - ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
  - IMDG: International Maritime Code for Dangerous Goods
  - IATA: International Air Transport Association
  - GHS: Globally Harmonized System of Classification and Labelling of Chemicals
  - 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)
  - LC50: Lethal concentration, 50 percent
  - LD50: Lethal dose, 50 percent
  - Org. Perox. B: Organic Peroxides, Type B
  - Org. Perox. CD: Organic Peroxides, Types C, D
  - Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2
  - Skin Sens. 1: Sensitisation - Skin, Hazard Category 1
  - Repr. 2: Reproductive toxicity, Hazard Category 2
  - Aquatic Acute 1: Hazardous to the aquatic environment - AcuteHazard, Category 1
  - Aquatic Chronic 1: Hazardous to the aquatic environment - Chronic Hazard, Category 1
  - Aquatic Chronic 4: Hazardous to the aquatic environment - Chronic Hazard, Category 4
- **\* Data compared to the previous version altered.**