

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE OR PREPARATION AND THE COMPANY

#### 1.1 Product Identifier

**Product Name:** Jointex XFH (Resin) Part A

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

**Identified Use(s):** [SU3] Industrial uses: Uses of substances as such or in preparations at industrial sites; [PC9a] Coatings and paints, thinners, paint removers; [PROC10] Roller application or brushing;

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

**Company Name:** Polycote UK LLP  
Centre Point  
Wolseley Road  
Woburn Road Industrial Estate  
Kempston  
Beds  
MK42 7EF

**Telephone Number:** 01234 846400

**Emergency Contact Number:** 111 (NHS England)

**Email address:** [uksales@polycote.com](mailto:uksales@polycote.com)

### SECTION 2: HAZARDS IDENTIFICATION

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

##### 2.1.1. Classification – EC 1272/2008:

Flam. Liq. 2: H225; Skin Irrit. 2: H315; Skin Sens. 1: H317; STOT SE 3: H335;

##### Hazard pictograms:



##### Signal word:

Danger

##### Hazard statements:

Flam. Liq. 2: H225 - Highly flammable liquid and vapour.  
Skin Irrit. 2: H315 - Causes skin irritation.  
Skin Sens. 1: H317 - May cause an allergic skin reaction.  
STOT SE 3: H335 - May cause respiratory irritation.

##### Precautionary statements:

##### Prevention:

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P233 - Keep container tightly closed.  
P240 - Ground/bond container and receiving equipment.  
P241 - Use explosion-proof electrical/ventilating/lighting// equipment.  
P242 - Use only non-sparking tools.  
P243 - Take precautionary measures against static discharge.  
P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.  
P264 - Wash thoroughly after handling.  
P271 - Use only outdoors or in a well-ventilated area.  
P272 - Contaminated work clothing should not be allowed out of the workplace.

##### Response:

P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
P302+P352 - IF ON SKIN: Wash with plenty of water/.  
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.  
P312 - Call a POISON CENTER/doctor/ /if you feel unwell.  
P321 - Specific treatment (see on this label).  
P332+P313 - If skin irritation occurs: Get medical advice/attention.  
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.

##### Storage:

P370+P378 - In case of fire: Use to extinguish.  
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.  
P403+P235 - Store in a well-ventilated place. Keep cool.  
P405 - Store locked up.

##### Disposal:

P501 - Dispose of contents/container to an approved waste disposal facility in accordance with local/regional/national/international regulation

### SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

#### EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
Methyl methacrylate	607-035-00-6	80-62-6	201-297-1	01-2119452498-28	40 - 50%	Flam. Liq. 2: H225; STOT SE 3: H335; Skin Irrit. 2: H315; Skin Sens. 1: H317;
2-Ethylhexyl acrylate	607-107-00-7	103-11-7	203-080-7	01-2119453158-37	10 - 20%	STOT SE 3: H335; Skin Irrit. 2: H315; Skin Sens. 1: H317;

**SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS (continue)**

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
N,N-Dimethyl-p-toluidine	612-056-00-9	99-97-8	202-805-4		0 - 0.5%	Acute Tox. 3: H331; Acute Tox. 3: H311; Acute Tox. 3: H301; STOT RE 2: H373; Aquatic Chronic 3: H412;
N,N-bis-(2-hydroxypropyl)-p-toluidine		38668-48-3	254-075-1	01-2119980937-17	0 - 0.5%	Acute Tox. 2: H300; Eye Irrit. 2: H319; Aquatic Chronic 3: H412;

**SECTION 4: FIRST-AID MEASURES**

**4.1 Description of first aid measures:**

Inhalation: Move the exposed person to fresh air.  
 Eye contact: Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing.  
 Skin contact: Wash off immediately with plenty of soap and water. Remove contaminated clothing.  
 Ingestion: DO NOT INDUCE VOMITING. Drink 1 to 2 glasses of water.

**4.2 Most important symptoms and effects, both acute and delayed**

Inhalation: Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system.  
 Eye contact: Irritating to eyes.  
 Skin contact: Irritating to skin.  
 Ingestion: Ingestion may cause nausea and vomiting.

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

Inhalation: Seek medical attention.  
 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: FIRE-FIGHTING MEASURES**

**5.1 Extinguishing media:** Carbon oxides. Dry chemical. Foam. Do NOT use water jet.  
**5.2 Special hazards arising from the substance or mixture:** Highly flammable. Burning produces irritating, toxic and obnoxious fumes. Vapour may travel considerable distance to source of ignition and flash back.  
**5.3 Advice for firefighters:** Self-contained breathing apparatus. Wear protective clothing.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**6.1 Personal precautions, protective equipment and emergency procedures:** Ensure adequate ventilation of the working area. Wear suitable protective equipment. Eliminate all sources of ignition. Evacuate personnel to a safe area. Wear suitable respiratory equipment when necessary.  
**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:** Absorb with inert, absorbent material. Sweep up. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water. Use explosion proof equipment.  
**6.4 Reference to other sections:** See section 8 for further information.  
 See section 13 for further information.

**SECTION 7: HANDLING AND STORAGE**

**7.1 Precautions for safe handling:** Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Use explosion proof equipment. Keep away from sources of ignition - No smoking. Vapours are heavier than air.  
**7.2 Conditions for safe storage, including any Incompatibilities:** Keep in a cool, dry, well-ventilated area. Keep containers tightly closed. Store in correctly labelled containers. Store in original container.  
**7.3 Specific end use(s)** See section 1.2 for further information.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1 Control parameters:**  
**8.1.1. Exposure Limit Values:**  
**Methyl methacrylate**

WEL 8-hr limit ppm: 5	WEL 8-hr limit mg/m3: 208
WEL 15 min limit ppm: 100	WEL 15 min limit mg/m3: 416
WEL 8-hr limit mg/m3 total inhalable dust: -	WEL 15 min limit mg/m3 total inhalable dust: -
WEL 8-hr limit mg/m3 total respirable dust: -	WEL 15 min limit mg/m3 total respirable dust: -

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continue)

### 8.2 Exposure controls:



**8.2.1. Appropriate engineering controls:**

Ensure adequate ventilation of the working area.

**8.2.2. Individual protection measures:**

Wear chemical protective clothing.

**Eye / face protection:**

Approved safety goggles.

**Skin protection - Hand protection:**

Chemical resistant gloves (PVC). Butyl rubber gloves.

**Skin protection - Other:**

Wear suitable protective clothing.

**Respiratory protection:**

Wear suitable respiratory equipment when necessary.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

For complete information see the product datasheet.

Appearance:	Liquid
Colour:	Various
Odour:	Strong/Characteristic
Odour threshold:	No data available
pH:	No data available
Melting point:	No data available
Freezing Point:	48 °C
Initial boiling point:	100 °C
Flash point:	10 °C
Evaporation rate:	No data available
Flammability (solid, gas):	No data available
Upper Explosive Limit:	12.5%
Lower Explosive Limit:	2.1%
Vapour pressure:	No data available
Vapour density:	No data available
Relative density:	> 1 (H <sub>2</sub> O = 1 @ 20 °C)
Fat Solubility:	No data available
Partition coefficient:	No data available
Autoignition temperature:	430 °C
Viscosity:	470 mPas (Cone & Plate)
Explosive properties:	No data available
Oxidising properties:	No data available
Solubility:	Slightly soluble in water
Conductivity:	No data available
Surface tension:	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

<b>10.1 Reactivity:</b>	See section 10.2 for further information.
<b>10.2 Chemical stability:</b>	Stable under normal conditions.
<b>10.3 Possibility of hazardous reactions:</b>	Oxidising agents.
<b>10.4 Conditions to avoid:</b>	Heat, sparks and open flames.
<b>10.5 Incompatible materials:</b>	Alkalis. Oxidising agents. Peroxides. Reducing agents. Sulphur oxides.
<b>10.6 Hazardous decomposition products:</b>	Will not decompose if stored and used as recommended.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects:

Acute toxicity:	Oral Rat LD50 = >5,000mg/kg (Methyl Methacrylate).	
Skin corrosion/irritation:	Irritating to skin.	
Serious eye damage/irritation:	Irritating to eyes.	
Respiratory or skin sensitisation:	May cause sensitisation by skin contact.	
Germ cell mutagenicity:	No mutagenic effects reported.	
Carcinogenicity:	No carcinogenic effects reported.	
Reproductive toxicity:	No observed effect level. No teratogenic effects reported.	
Aspiration hazard:	No Significant Hazard.	
<b>11.1.4. Toxicological Information:</b>		
<b>2-Ethylhexyl acrylate</b>	Oral Rat LD50: 4,435mg/kg	Dermal Rabbit LD50: >5,000mg/kg

## SECTION 11: TOXICOLOGICAL INFORMATION (continue)

<b>Methyl methacrylate</b>	Dermal Rat LD50: >5,000mg/kg Dermal Rabbit LD50: >5,000mg/kg	Oral Rat LD50: >2,000mg/kg Inhalation Rat LC50/4 h: 29.8mg/kg
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## SECTION 12: ECOLOGICAL INFORMATION

<b>12.1 Toxicity</b>		
<b>Methyl methacrylate</b>	Daphnia EC50/48h: 69.0000 mg/l	Fish LC50/96h: 79.0000 mg/l
<b>12.2 Persistence and Degradation:</b>	Readily biodegradable. OECD 301C, 14D.	
<b>12.3 Bioaccumulative potential:</b>	No observed effect level.	
<b>Partition coefficient:</b>	<b>Base:</b> No data available	
<b>12.4 Mobility in soil:</b>	Slightly soluble in water.	
<b>12.5. Results of PBT and vPvB assessment:</b>	PBT no. vPvB no.	
<b>12.6 Other adverse effects:</b>	No data is available on this product.	

## SECTION 13: DISPOSAL CONSIDERATIONS

<b>General information:</b>	08 01 11* waste paint and varnish containing organic solvents or other dangerous substances.
<b>Disposal methods:</b>	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.
<b>Disposal of packaging:</b>	Residues and empty containers should be taken care of as hazardous waste according to local and national provisions.

## SECTION 14: TRANSPORT INFORMATION

<b>Hazard pictograms:</b>	
<b>14.1 UN number:</b>	UN1866
<b>14.2 UN proper shipping name:</b>	RESIN SOLUTION ((Methyl Methacrylate))
<b>14.3 Transport Hazard Class(es):</b>	
ADR/RID	3
Subsidiary risk	-
IMDG	3
Subsidiary risk	-
IATA	3
Subsidiary risk	-
<b>14.4 Packing Group</b>	II
<b>14.5 Environmental hazards</b>	Environmental hazards: No Marine pollutant: No
<b>14.6 Special precautions for user</b>	Not applicable.
<b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b>	Not applicable.
<b>ADR/RID</b>	
Hazard ID	33
Tunnel Category	(D/E)
<b>IMDG</b>	
EmS Code	F-E S-E
<b>IATA</b>	
Packing Instruction (Cargo)	964
Maximum quantity	60 L
Packing Instruction (Passenger)	353
Maximum quantity	5 L
<b>Further Information</b>	The product is not classified as dangerous for carriage.

## SECTION 15: REGULATORY INFORMATION

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

**SECTION 15: REGULATORY INFORMATION (continue)**

<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.

**SECTION 16: OTHER INFORMATION**

Text of Hazard Statements in Section 3	<p>Flam. Liq. 2: H225 - Highly flammable liquid and vapour.                  Skin Irrit. 2: H315 - Causes skin irritation.                  Skin Sens. 1: H317 - May cause an allergic skin reaction.                  STOT SE 3: H335 - May cause respiratory irritation.</p>
Other information	<p>Acute Tox. 3: H301 - Toxic if swallowed.                  Acute Tox. 3: H311 - Toxic in contact with skin.                  Acute Tox. 3: H331 - Toxic if inhaled.                  STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure.                  Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.                  Acute Tox. 2: H300 - Fatal if swallowed.                  Eye Irrit. 2: H319 - Causes serious eye irritation.</p>
Maximum content of VOC:	0 g/l.

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at UK, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE OR PREPARATION AND THE COMPANY

#### 1.1 Product Identifier

**Product Name:** Jointex XFH (Hardener) Part B

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

**Identified Use(s):** [SU3] Industrial uses: Uses of substances as such or in preparations at industrial sites;  
[PC9a] Coatings and paints, thinners, paint removers;  
[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 Name:** Polycote UK LLP  
Centre Point  
Wolseley Road  
Woburn Road Industrial Estate  
Kempston  
Beds  
MK42 7EF

**Telephone Number:** 01234 846400  
**Emergency Contact Number:** 111 (NHS England)  
**Email address:** [uksales@polycote.com](mailto:uksales@polycote.com)

### SECTION 2: HAZARDS IDENTIFICATION

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

##### 2.1.1. Classification – EC 1272/2008:

Acute Tox. 4: H302; Skin Corr. 1B: H314; Skin Sens. 1: H317; Repr. 2: H361fd; Aquatic Chronic 1: H410;

#### Hazard pictograms:



#### Signal word:

Danger

#### Hazard statements:

Self-react. CD: H242 - Heating may cause a fire.  
Skin Sens. 1: H317 - May cause an allergic skin reaction.  
Eye Irrit. 2: H319 - Causes serious eye irritation.  
Repr. 2: H361f - Suspected of damaging fertility.  
Aquatic Acute 1: H400 - Very toxic to aquatic life.

#### Precautionary statements:

##### Prevention:

P201 - Obtain special instructions before use.  
P202 - Do not handle until all safety precautions have been read and understood.  
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P220 - Keep/Store away from clothing//combustible materials.  
P234 - Keep only in original container.  
P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.  
P264 - Wash thoroughly after handling.  
P272 - Contaminated work clothing should not be allowed out of the workplace.  
P273 - Avoid release to the environment.

##### Response:

P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
P302+P352 - IF ON SKIN: Wash with plenty of water/.  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P308+P313 - IF exposed or concerned: Get medical advice/attention.  
P321 - Specific treatment (see on this label).  
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.  
P337+P313 - If eye irritation persists: Get medical advice/attention.  
P370+P378 - In case of fire: Use to extinguish.  
P391 - Collect spillage.

##### Storage:

P403+P235 - Store in a well-ventilated place. Keep cool.  
P405 - Store locked up.  
P411 - Store at temperatures not exceeding °C/°F.

##### Disposal:

P501 - Dispose of contents/container to an approved waste disposal facility in accordance with local/regional/national/international regulation

### SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

#### 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	90 - 100%	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:

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

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

Inhalation:	Irritating to respiratory system.
Eye contact:	Irritating to eyes.
Skin contact:	May cause sensitisation by skin contact.
Ingestion:	Ingestion may cause nausea and vomiting.

### 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: FIRE-FIGHTING MEASURES

<b>5.1 Extinguishing media:</b>	Use extinguishing media appropriate to the surrounding fire conditions. Carbon dioxide (CO2). Dry chemical. Foam. Sand. Water spray. Do NOT use halones.
<b>5.2 Special hazards arising from the substance or mixture:</b>	Burning produces irritating, toxic and obnoxious fumes.
<b>5.3 Advice for firefighters:</b>	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

<b>6.1 Personal precautions, protective equipment and emergency procedures:</b>	Ensure adequate ventilation of the working area. Avoid contact with skin and eyes. Do not breathe dust.
<b>6.2 Environmental precautions:</b>	Do not allow product to enter drains. Prevent further spillage if safe.
<b>6.3 Methods and material for containment and cleaning up:</b>	Sweep up. Eliminate all sources of ignition. Dispose of this material and its container to hazardous or special waste collection point.
<b>6.4 Reference to other sections:</b>	See section 13 for further information.

## SECTION 7: HANDLING AND STORAGE

<b>7.1 Precautions for safe handling:</b>	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.
<b>7.2 Conditions for safe storage, including any incompatibilities:</b>	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 feeding stuffs. 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.
<b>7.3 Specific end use(s)</b>	See section 1.2 for further information.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters:

#### 8.1.1. Exposure Limit Values: 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 inhalable dust: -	WEL 15 min limit mg/m3 total inhalable dust: -
WEL 8-hr limit mg/m3 total respirable dust: -	WEL 15 min limit mg/m3 total 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.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continue)**

<b>Skin protection - Hand protection:</b>	Wear suitable gloves.
<b>Respiratory protection:</b>	Suitable respiratory equipment.
<b>8.2.3. Environmental exposure controls</b>	Do not allow product to enter drains.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

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

For complete information see the product datasheet.

Appearance:	Powder
Colour:	White
Odour:	Slight
Relative density:	1.23 (H2O = 1 @ 20 °C)
Fat Solubility:	No data available
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
Partition coefficient (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**

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

**SECTION 10: STABILITY AND REACTIVITY**

<b>10.1 Reactivity:</b>	Stable under normal conditions.
<b>10.2 Chemical stability:</b>	Decomposition will start at 55°C.
<b>10.3 Possibility of hazardous reactions:</b>	Heavy Metals. Acids. Alkalis. Reducing agents.
<b>10.4 Conditions to avoid:</b>	Avoid formation of dust. Avoid sparks, flames, heat and sources of ignition.
<b>10.5 Incompatible materials:</b>	Rust, Iron, Copper.
<b>10.6 Hazardous decomposition products:</b>	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
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**SECTION 12: ECOLOGICAL INFORMATION**

**12.1 Toxicity**

<b>Dibenzoyl Peroxide &amp; Dicyclohexyl phthalate blend</b>	Daphnia EC50/48h: 0.1100 mg/l	Algae IC50/72h: 0.0600 mg/l
	Fish LC50/96h: 0.0600 mg/l	

**SECTION 12: ECOLOGICAL INFORMATION (continue)**

<b>12.2 Persistence and Degradation:</b>	No data is available on this product.
<b>12.3 Bioaccumulative potential:</b>	BCF 66.6.
<b>Partition coefficient:</b>	Catalyst - Not applicable
<b>12.4 Mobility in soil:</b>	No data is available on this product.
<b>12.5. Results of PBT and vPvB assessment:</b>	No data is available on this product.
<b>12.6 Other adverse effects:</b>	Very toxic to aquatic organisms.

**SECTION 13: DISPOSAL CONSIDERATIONS**

<b>General information:</b>	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.
<b>Disposal methods:</b>	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.
<b>Disposal of packaging:</b>	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:**



<b>14.1 UN number:</b>	UN3106
<b>14.2 UN proper shipping name:</b>	ORGANIC PEROXIDE, TYPE D, SOLID (Dibenzoyl Peroxide)
<b>14.3 Transport Hazard Class(es):</b>	
ADR/RID	5.2
Subsidiary risk	-
IMDG	5.2
Subsidiary risk	-
IATA	5.2
Subsidiary risk	-
<b>14.4 Packing Group</b>	-
<b>14.5 Environmental hazards</b>	Environmental hazards: Yes Marine pollutant: Yes
<b>14.6 Special precautions for user</b>	-
<b>14.7 Transport in bulk according to Annex II of Marpol 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.

**SECTION 15: REGULATORY INFORMATION**

<b>15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:</b>	
Regulations:	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.

**SECTION 15: REGULATORY INFORMATION (continue)**

<p><b>15.2. Chemical safety assessment:</b></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> <p>This product contains substances for which Chemical Safety Assessments are still required.</p>
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**SECTION 16: OTHER INFORMATION**

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

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at UK, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

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