

## Safety Data Sheet according to Regulation (EC) 'No. 2020/878



### SECTION 1: Identification of the Substance/Mixture and of the Company/Undertaking

<b>1.1 Product Identifier</b>	FLOWFAST CATALYST	<b>Revision Date:</b>	15/05/2023
	<b>Product Name:</b> Flowfast Catalyst	<b>Supersedes Date:</b>	27/01/2021
		<b>Version Number:</b>	No Information
	<b>UFI Code:</b> X470-X0MY-C00R-QCKU		
	<b>Nanoform:</b> No		
<b>1.2 Relevant identified uses of the substance or mixture and uses advised against</b>	Coatings and paints, thinners, paint removers. Manual activities involving hand contact. Widespread use leading to inclusion into/onto article (indoor). Widespread use leading to inclusion into/onto article (outdoor). For use by appropriately trained applicators. Roller application or brushing. Low energy spreading of coatings. Advised against: Home DIY applications, because of the health hazards and training required. Advised against: others than recommended		
<b>1.3 Details of the supplier of the safety data sheet</b>			
	<b>Supplier:</b> Tremco CPG UK Limited Coupland Road Hindley Green WN2 4HT, UK  Tel: +44 (0)1942 251400		
	<b>Datasheet Produced by:</b> ehs.uk@flowcrete.com		
<b>1.4 Emergency telephone number:</b>	CHEMTREC +001 703 5273887 (Outside US) CHEMTREC 1-800-424-9300 (Inside US)		

### SECTION 2: Hazards Identification

#### 2.1 Classification of the substance or mixture

Classification according to Classification, Labeling & Packaging Regulation (EC) 1272/2008

**HAZARD STATEMENTS**

Organic Peroxide, categories C, D	H242-CD
Skin Sensitizer, category 1	H317
Eye Irritation, category 2	H319
Reproductive Toxicity, category 1B	H360-1B
Hazardous to the aquatic environment, Acute, category 1	H400
Hazardous to the aquatic environment, Chronic, category 1	H410

**2.2 Label elements****Symbol(s) of Product****Signal Word**

Danger

**Named Chemicals on Label**

Dicyclohexyl phthalate, Dibenzoyl-peroxide

**HAZARD STATEMENTS**

Organic Peroxide, categories C, D	H242-CD	Heating may cause a fire.
Skin Sensitizer, category 1	H317	May cause an allergic skin reaction.
Eye Irritation, category 2	H319	Causes serious eye irritation.
Reproductive Toxicity, category 1B	H360-1B	May damage fertility or the unborn child.
Hazardous to the aquatic environment, Acute, category 1	H400	Very toxic to aquatic life.
Hazardous to the aquatic environment, Chronic, category 1	H410	Very toxic to aquatic life with long lasting effects.

**PRECAUTION PHRASES**

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.
P234	Keep only in original packaging.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P284	Wear respiratory protection.
P302+352	IF ON SKIN: Wash with plenty of soap and water.
P305+351+338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.
P308+P313	IF exposed or concerned: Get medical advice/attention
P333+313	If skin irritation or rash occurs: Get medical advice/attention.
P391	Collect spillage.
P403+235	Store in a well-ventilated place. Keep cool.

**2.3 Other hazards**

No Information

**Results of PBT and vPvB assessment:**

The product does not meet the criteria for PBT/VPvB in accordance with Annex XIII.

**Endocrine disrupting properties - Toxicity**

Name According to EEC

CAS-No.

No Information

**Endocrine disrupting properties - Ecotoxicity**

Name According to EEC

CAS-No.

No Information

**SECTION 3: Composition/Information On Ingredients****3.1 Substances**

Not applicable

**3.2 Mixtures****Hazardous ingredients**

<u>Name According to EEC</u> <u>EINEC No.</u> <u>CAS-No.</u> <u>REACH Reg No.</u>	<u>%</u>	<u>Classifications</u>	<b>SCL Value:</b> <b>ATE Value:</b> <b>M-Factor:</b>
Dicyclohexyl phthalate 201-545-9 84-61-7 01-2119978223-34	25 - <50	H317-360-411  Aquatic Chronic 2, Repr. 1B, Skin Sens. 1	<b>SCL Value:</b> - <b>ATE Value:</b> - <b>M-Factor:</b> -
Dibenzoyl-peroxide 202-327-6 94-36-0 01-2119511472-50	25 - <50	H317-319-400-410  Aquatic Acute 1, Aquatic Chronic 1, Eye Irrit. 2, Skin Sens. 1	<b>SCL Value:</b> - <b>ATE Value:</b> - <b>M-Factor:</b> -

**Additional Information:** The text for CLP Hazard Statements shown above (if any) is given in Section 16.**SECTION 4: First-aid Measures****4.1 Description of First Aid Measures****GENERAL NOTES:** When symptoms persist or in all cases of doubt seek medical advice. Show this safety data sheet to the

doctor in attendance. Remove contaminated clothing and shoes.

**AFTER INHALATION:** Move to fresh air.

**AFTER SKIN CONTACT:** Use a mild soap if available. Wash off immediately with soap and plenty of water.

**AFTER EYE CONTACT:** Keep eye wide open while rinsing. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses. If eye irritation persists, consult a specialist.

**AFTER INGESTION:** Gently wipe or rinse the inside of the mouth with water. Never give anything by mouth to an unconscious person. If swallowed, call a poison control centre or doctor immediately. DO NOT induce vomiting unless directed to do so by a physician or poison control center.

#### **Self protection of the first aider:**

No action shall be taken involving any personal risk or without suitable training. 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**

No Information

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

No information available on clinical testing and medical monitoring. Specific toxicological information on substances, if available, can be found in section 11.

### **SECTION 5: Firefighting Measures**

#### **5.1 Extinguishing Media:**

Carbon Dioxide, Dry Chemical, Foam, Water Fog

**FOR SAFETY REASONS NOT TO BE USED:** Alcohol, Alcohol based solutions, any other media not listed above.

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

Heating may cause a fire or explosion.

#### **5.3 Advice for firefighters**

Keep containers and surroundings cool with water spray. Fire will produce dense black smoke containing hazardous combustion products (see section 10). In the event of fire, wear self-contained breathing apparatus. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

### **SECTION 6: Accidental Release Measures**

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

##### **6.1.1 For non-emergency personnel**

Avoid dust formation. Use personal protective equipment. Keep people away from and upwind of spill/leak. Remove all sources of ignition.

##### **6.1.2 For emergency responders**

No Information

#### **6.2 Environmental precautions**

Do not allow material to contaminate ground water system. Prevent product from entering drains. May cause long-term adverse effects in the aquatic environment.

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

Pick up and transfer to properly labelled containers. Do not let product enter drains. After cleaning, flush away traces with water. Avoid breathing dust.

#### **6.4 Reference to other sections**

**FURTHER INSTRUCTIONS:** Please refer to EU disposal requirements or country specific disposal requirements for this material. See Section 8 and 13 for further information.

### **SECTION 7: Handling and Storage**

#### **7.1 Precautions for safe handling**

Electrical equipment should be protected to the appropriate standard. Wear personal protective equipment. Use only in well-ventilated areas. Keep product and empty container away from heat and sources of ignition. Dust can form an explosive mixture in air. Keep away from sources of ignition - No smoking. Avoid contact with skin and eyes.

Repeated or prolonged skin contact may cause skin irritation and/or dermatitis and sensitization of susceptible persons. In the case of sensitisation to any of the ingredients, it is inadvisable to work with the product. Handle in accordance with good industrial hygiene and safety practice. Keep working clothes separately. Keep away from food, drink and animal feeding stuffs. Do not breathe dust. When using, do not eat, drink or smoke. Wash hands and face before breaks and immediately after handling the product.

## 7.2 Conditions for safe storage, including any incompatibilities

**CONDITIONS TO AVOID:** Avoid temperatures above 40 °C, direct sunlight and contact with sources of heat. Heat, flames and sparks.

**STORAGE CONDITIONS:** Store at room temperature in the original container. Keep tightly closed in a dry and cool place. Keep locked up or in an area accessible only to qualified or authorised persons. Keep container closed when not in use.

## 7.3 Specific end use(s)

Component of a resin flooring product. The mixing and application to be in accordance with the technical data sheets.

# SECTION 8: Exposure Controls/Personal Protection

## 8.1 Control parameters

### Ingredients with Occupational Exposure Limits (UK WELS)

Name	CAS-No.	LTEL ppm	STEL ppm	STEL mg/m <sup>3</sup>	LTEL mg/m <sup>3</sup>
Dicyclohexyl phthalate	84-61-7				5
Dibenzoyl-peroxide	94-36-0				5

Name	CAS-No.	OEL Note
Dicyclohexyl phthalate	84-61-7	
Dibenzoyl-peroxide	94-36-0	

**FURTHER ADVICE:** Refer to the regulatory exposure limits for the workforce enforced in each country. Some components may not have been classified under the EU CLP Regulation.

### Chemical Name:

Dicyclohexyl phthalate

### EC No.:

201-545-9

### CAS-No.:

84-61-7

## DNELs - Derived no effect level

Route of Exposure	Workers				Consumers			
	Acute effect local	Acute effects systemic	Chronic effects local	Chronic effects systemic	Acute effect local	Acute effects systemic	Chronic effects local	Chronic effects systemic
Oral	Not required							0.25 mg/kg bw/d
Inhalation		35.2 mg/m <sup>3</sup>		35.2 mg/m <sup>3</sup>	0.87 mg/m <sup>3</sup>			0.87 mg/m <sup>3</sup>
Dermal		0.5 mg/kg bw/d		0.5 mg/kg bw/d				0.25 mg/kg bw/d

## PNEC's - Predicted no effect concentration

Environmental protection target	PNEC
Fresh water	0.00362 mg/l
Fresh water sediments	1.06 mg/kg
Marine water	0.000362 mg/l
Marine sediments	0.106 mg/kg
Food chain	133 mg/kg food
Microorganisms in sewage treatment	10 mg/l
soil (agricultural)	0.21 mg/kg
Air	

**Chemical Name:**

Dibenzoyl-peroxide

**EC No.:**

202-327-6

**CAS-No.:**

94-36-0

**DNELs - Derived no effect level**

Route of Exposure	Workers				Consumers			
	Acute effect local	Acute effects systemic	Chronic effects local	Chronic effects systemic	Acute effect local	Acute effects systemic	Chronic effects local	Chronic effects systemic
Oral	Not required							1.65 mg/kg bw/d
Inhalation				11.75 mg/m <sup>3</sup>				2.9 mg/m <sup>3</sup>
Dermal				6.6 mg/kg bw/d				3.3 mg/kg bw/d

**PNEC's - Predicted no effect concentration**

Environmental protection target	PNEC
Fresh water	0.000602 mg/l
Fresh water sediments	0.338 mg/kg
Marine water	0.0000602 mg/l
Marine sediments	
Food chain	6.67 mg/kg food
Microorganisms in sewage treatment	0.35 mg/l
soil (agricultural)	0.0758 mg/kg
Air	

**8.2 Exposure controls****Personal Protection**

**RESPIRATORY PROTECTION:** In case of insufficient ventilation wear suitable respiratory equipment, filter P2. Effective dust mask.

**EYE PROTECTION:** Eye wash bottle with pure water. Safety goggles. Safety glasses with side-shields conforming to EN 166.

**HAND PROTECTION:** Use chemical resistant gloves (EN 374): Nitrile rubber; thickness  $\geq 0,5$  mm; breakthrough time  $\geq 480$  min. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough. Impervious gloves. Long sleeved clothing. Remove and wash contaminated clothing before re-use. Remove contaminated clothing and protective equipment before entering eating areas.

**OTHER PROTECTIVE EQUIPMENT:** No Information

**ENGINEERING CONTROLS:** As a rule, at least 10 air changes per hour are recommended at the workplace. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation, especially in confined areas.

**SECTION 9: Physical and Chemical Properties****9.1 Information on basic physical and chemical properties**

<b>Colour:</b>	white powder
<b>Physical State</b>	Solid
<b>Odor</b>	faint odor
<b>Odor threshold</b>	Not determined
<b>pH</b>	Not determined
<b>Melting point / freezing point (°C)</b>	Not determined
<b>Boiling point or initial boiling point and boiling range (°C)</b>	100 - N.D.
<b>Flash Point, (°C)</b>	Not measured
<b>Evaporation rate</b>	Not determined
<b>Flammability (solid, gas)</b>	Decomposition products may be flammable.
<b>Lower and upper explosive limit</b>	Not determined
<b>Vapour Pressure</b>	Not determined
<b>Relative vapour density</b>	Not applicable

Density and/or relative density	1.23
Solubility in / Miscibility with water	Insoluble
Partition coefficient: n-octanol/water	Not determined
Auto-ignition temperature (°C)	Not determined
Decomposition temperature (°C)	55
Kinematic viscosity	Not determined
Particle characteristics	Not applicable to liquids

## 9.2 Other information

VOC Content g/l: <10

This is a calculated maximum VOC content for the mixed ready to use product (to Directive 2004/42/EC).

## SECTION 10: Stability and Reactivity

### 10.1 Reactivity

Explosive reaction may occur on heating or burning.

### 10.2 Chemical stability

No decomposition if stored and applied as directed. Self-Accelerating decomposition temperature (SADT): 55°C. Lowest temperature at which the tested package size will undergo a self-accelerating decomposition reaction. This reaction will generate flammable vapors which may autoignite. The length of time to generate a decomposition reaction, after the SADT has been reached or exceeded, is dependent upon how much the SADT has been exceeded and the length of time needed for the reaction exotherm to initiate a rapid decomposition reaction. Typically, SADT is inversely proportional to package size. Larger packages will have a lower SADT due to smaller ratio of heat transfer area to volume of product.

### 10.3 Possibility of hazardous reactions

Hazardous polymerisation does not occur.

### 10.4 Conditions to avoid

Avoid temperatures above 40 °C, direct sunlight and contact with sources of heat. Heat, flames and sparks.

### 10.5 Incompatible materials

Heavy metal compounds. Strong oxidizing agents. Acids and bases. Amines. Reducing agents.

### 10.6 Hazardous decomposition products

In case of fire **hazardous decomposition products** may be produced such as: Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke). Benzoic acid.

## SECTION 11: Toxicological information

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### Acute Toxicity:

Oral LD50:	No Information
Inhalation LC50:	No Information
Dermal LD50:	No Information

**Irritation:** May cause skin and eye irritation.

**Corrosivity:** No information available.

**Sensitization:** Prolonged or repeated skin contact may result in allergic eczema.

**Repeated dose toxicity:** No information available.

**Carcinogenicity:** No information available.

<b>Mutagenicity:</b>	No information available.
<b>Toxicity for reproduction:</b>	No information available.
<b>STOT-single exposure:</b>	No information available.
<b>STOT-repeated exposure:</b>	No information available.
<b>Aspiration hazard:</b>	No information available.

If no information is available above under Acute Toxicity then the acute effects of this product have not been tested. Data on individual components are tabulated below:

<u>CAS-No.</u>	<u>Name According to EEC</u>	<u>Oral LD50</u>	<u>Dermal LD50</u>	<u>Vapor LC50</u>	<u>Gas LC50</u>	<u>Dust/Mist LC50</u>
84-61-7	Dicyclohexyl phthalate	>2000 mg/kg (rat)	>2000 mg/kg (rat)		0.000	0.000
94-36-0	Dibenzoyl-peroxide	>5000 mg/kg (rat)			0.000	0.000

#### Additional Information:

In the case of sensitisation to any of the ingredients, it is inadvisable to work with the product. Repeated or prolonged skin contact may cause skin irritation and/or dermatitis and sensitization of susceptible persons.

#### 11.2 Information on other hazards

##### Endocrine disrupting properties - Toxicity

Name According to EEC	CAS-No.
No Information	

## SECTION 12: Ecological Information

#### 12.1 Toxicity:

EC50 48hr (Daphnia):	No information
IC50 72hr (Algae):	No information
LC50 96hr (fish):	No information

12.2 Persistence and degradability: No information

12.3 Bioaccumulative potential: No information

12.4 Mobility in soil: No information

12.5 Results of PBT and vPvB assessment: The product does not meet the criteria for PBT/VPvB in accordance with Annex XIII.

#### 12.6 Endocrine disrupting properties

##### Endocrine disrupting properties - Ecotoxicity

Name According to EEC	CAS-No.
No Information	



12.7 Other adverse effects: No information

<u>CAS-No.</u>	<u>Name According to EEC</u>	<u>EC50 48hr</u>	<u>IC50 72hr</u>	<u>LC50 96hr</u>
84-61-7	Dicyclohexyl phthalate	> 2 mg/l	> 2 mg/l	> 2 mg/l
94-36-0	Dibenzoyl-peroxide	0.11 mg/l	0.06 mg/l	0.06 mg/l

### SECTION 13: Disposal Considerations

13.1 **WASTE TREATMENT METHODS:** Do not burn. Dispose of as hazardous waste in compliance with local and national regulations. Container hazardous when empty. Empty containers should be taken to an approved waste handling site for recycling or disposal. The product should not be allowed to enter drains, water courses or the soil.

European Waste Code: 080111\*  
Packaging Waste Code: 150110

### SECTION 14: Transport Information

	ADR/RID	ADN	IMDG	IATA
14.1 UN-number or ID number	3106	3106	3106	3106
14.2 UN proper shipping name	Organic peroxide type D, solid, Dibenzoyl peroxide	Organic peroxide type D, solid, Dibenzoyl peroxide	Organic peroxide type D, solid, Dibenzoyl peroxide	Organic peroxide type D, solid, Dibenzoyl peroxide
14.3 Transport Hazard Class(es)	5.2	5.2	5.2	5.2
14.4 Packing Group	II	II	II	II
14.5 Environmental Hazards	No Information	No Information	No Information	No Information

14.6 Special precautions for user Not applicable  
EmS-No.: F-J , S-R

14.7 Maritime transport in bulk according to IMO intruments Not applicable

### SECTION 15: Regulatory Information

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

<b>Denmark Product Registration Number:</b>	Not available
<b>Danish MAL Code:</b>	Not available
<b>Danish MAL Code - Mixture:</b>	Not available
<b>Sweden Product Registration Number:</b>	Not available
<b>Norway Product Registration Number:</b>	Not available
<b>Germany WGK Class:</b>	1
<b>Directive 2004/42/CE :</b>	<10
<b>Covered by Directive 2012/18/EC (Seveso III):</b>	Not applicable
<b>Restrictions to product or to substances according to Annex XVII, Regulation (CE) 1907/2006:</b>	Not applicable

**Annex XIV, Regulation (CE) 1907/2006 - Authorisation List:****CAS-No.      Name According to EEC**

Not Applicable

**SVHC - Substances of very high concern (Candidate List - Art. 59 REACH):****CAS-No.      Name According to EEC**

84-61-7      Dicyclohexyl phthalate

**15.2 Chemical Safety Assessment:**

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

**SECTION 16: Other Information****Text for CLP Hazard Statements shown in Section 3 describing each ingredient:**

H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H360	May damage fertility or the unborn child.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.

**Reasons for revision**

Substance and/or Product Properties Changed in Section(s) :

- 01 - Identification
- 02 - Hazard Identification
- 03 - Composition/Information On Ingredients
- 08 - Exposure Controls/Personal Protection
- 09 - Physical and Chemical Properties
- 11 - Toxicological Information
- 14 - Transportation Information
- 15 - Regulatory Information

Substance Regulatory CAS Number Changed

Revision Statement(s) Changed

This Safety Data Sheet (SDS) has been revised to meet the new EU CLP requirements. There have been

both formatting and content changes based on the CLP classification (if applicable), please review each section of the SDS for specific changes.

## List of References:

This Safety Data Sheet was compiled with data and information from the following sources:

- The Ariel Regulatory Database provided by the 3E Corporation in Copenhagen, Denmark.
- Joint Research Centre in Ispra, Italy.
- Regulation (EC) 1272/2008 with subsequent amendments.
- Regulation (EC) 1272/2006 with subsequent amendments.
- Commission Regulation (EU) 2020/878
- EU Council Decision 2000/532/EC and its Annex entitled "List of Wastes"
- Safety Data Sheet from raw material supplier
- The classification declared in sec. 2.2 is based on the calculation methods set out in Annex I and Annex II of the CLP Reg. 1272/2008 on the composition of the formula.

## Acronym &amp; Abbreviation Key:

CLP	Classification, Labeling & Packaging Regulation
EC	European Commission
EU	European Union
US	United States
CAS	Chemical Abstract Service
EINECS	European Inventory of Existing Chemical Substances
REACH	Registration, Evaluation, Authorization of Chemicals Regulation
GHS	Globally Harmonized System of Classification and Labeling of Chemicals
LTEL	Long term exposure limit
STEL	Short term exposure limit
OEL	Occupational exposure limit
ppm	Parts per million
mg/m3	Milligrams per cubic meter
TLV	Threshold Limit Value
ACGIH	American Conference of Governmental Industrial Hygienists
OSHA	Occupational Safety & Health Administration
PEL	Permissible Exposure Limits
VOC	Volatile organic compounds
g/l	Grams per liter
mg/kg	Milligrams per kilogram
N/A	Not applicable
LD50	Lethal dose at 50%
LC50	Lethal concentration at 50%
EC50	Half maximal effective concentration
IC50	Half maximal inhibitory concentration
PBT	Persistent bioaccumulative toxic chemical
vPvB	Very persistent and very bioaccumulative
EEC	European Economic Community
ADR	International Transport of Dangerous Goods by Road
RID	International Transport of Dangerous Goods by Rail
UN	United Nations
IMDG	International Maritime Dangerous Goods Code
IATA	International Air Transport Association
MARPOL	International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978
IBC	International Bulk Container
RTI	Respiratory Tract Irritation
NE	Narcotic Effects
IMO	International Maritime Organization
Note P:	The classification as a carcinogen or mutagen need not apply; the substance contains less than 0,1 % w/w benzene
Note 10:	The classification as a carcinogen by inhalation applies only to mixtures in powder form containing 1 % or more of titanium dioxide which is in the form of or incorporated in particles with aerodynamic diameter $\leq 10 \mu\text{m}$ .

For further information, please contact: Technical Services Department

The information on this sheet corresponds to our present knowledge. It is not a specification and it does not guarantee specific properties. The information is intended to provide general guidance as to health and safety based upon our knowledge of the handling, storage, and use of the product. It is not applicable to unusual or non-standard uses of the product or where instructions and recommendations are not followed.