

Safety Data Sheet Monoscreed Filler/Catalyst

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1. Identification of the substrate/preparation and of the company/undertaking

1.1. Product identifier

Trade name/designation : Monoscreed Filler/Catalyst

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

Main use category : Industrial uses
Use of the substance/mixture : grout resin

1.3. Manufacturer/Supplier

Supplier:
Alumasc Exterior Building Products Ltd
White House Works, Bold Road, Sutton, St Helens, Merseyside, WA9 4JG. United Kingdom
Tel: +44 (0)1744 648400 E-mail: roofing@alumasc-exteriors.co.uk

1.4. Emergency telephone number

Emergency telephone : Alumasc 01744 648 400
(Mon-Thur - 08.30-17.00 Fri - 08.30-16.00)

2. Hazards identification

2.1 Classification of the substance or mixture

Product definition: Mixture

2.1.1 Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

This product is classified as not hazardous according to regulation (EC) 1272/2008 [CLP].

See Section 16 for the full text of the H statements declared above. See Section 11 for more detailed information on health effects and symptoms.

2.2. Labelling according to Regulation (EU) 1272/2008

Hazard pictograms : None
Signal word : None

The product does not have to be labelled according to Regulation (EC) No.1272/2008 [CLP].

Further information EUH208: Contains δ DIBENZOYL PEROXIDE;Dicyclohexyl phthalate. May produce an allergic reaction.
EUH210: Safety data sheet available on request.

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2.3 Other hazards

Other hazards which do not result in classification : None known.

3. Composition and information about the components

3.1. Substance

Mixture of quarzsand

3.2. Mixture

Ingredient		Classification (EC) 1272/2008	Concentration
dibenzoyl peroxide	CAS No. : 94-36-0 EC-No. : 202-327-6 Index-No. : 617-008-00-0 REACH No. : 01-2119511472-50-XXXX	Org. Perox. B; H241 Eye Irrit. 2; H319 Skin Sens. 1; H317 Aquatic Acute 1; H400	0.1 - 1.0 % by weight
Dicyclohexyl phthalate	CAS No. : 84-61-7 EC-No. : 201-545-9 REACH No. : 01-2119978223-34-XXXX	Skin Sens. 1; H317 Repr. 2; H361f Aquatic Chronic 3; H412	0.1 - 1.0 % by weight

4. First-aid measures

4.1 Description of first aid measures

General	: Move out of dangerous area. Take off all contaminated clothing immediately. Do not leave the victim unattended. Show this safety data sheet to the doctor in attendance.
Eye contact	: Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek immediate medical attention.
Inhalation	: If you feel unwell, seek medical advice (show the label where possible).
Skin contact	: Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners.
Ingestion	: Rinse mouth. If swallowed, seek medical advice immediately and show the container or label. Keep person warm and at rest. Do NOT induce vomiting.

5. Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media	: Recommended: Carbon dioxide (CO ₂), Foam, Water spray, Dry powder
Unsuitable extinguishing media	: High volume water jet

5.2 Special hazards arising from the substance or mixture

Special exposure hazards arising from the substance or preparation itself, its combustion products, or released gases	: Hazardous decomposition products formed under fire conditions.
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5.3 Advice for firefighters

Special protective actions from for fire-fighters	: In the event of fire, wear self-contained breathing apparatus
Additional information	: Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Do not allow run-off from fire fighting to enter drains or water courses.

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6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid dust formation. Use personal protective equipment.

6.2 Environmental precautions

Do not allow to enter drains or watercourses. If the product contaminates lakes, rivers, or sewers, inform the appropriate authorities in accordance with local regulations.

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up Avoid dust formation. Use mechanical handling equipment. Clean contaminated surface thoroughly. Dispose of in accordance with local regulations.

6.4 Reference to other sections : See Section 1 for emergency contact information.
See Section 8 for information on appropriate personal protective equipment.
See Section 13 for additional waste treatment information.

7. Handling and storage

7.1 Precautions for safe handling

Advice on safe handling Avoid dust formation. Wear personal protective equipment. Handle and open container with care. Avoid contact with skin and eyes.
Precautions Smoking, eating and drinking should be prohibited in the application area. For personal protection see section 8. Observe label precautions.

7.2 Conditions for safe storage, including any incompatibilities

Storage space and container requirements Keep in properly labelled containers. Containers which are opened must be carefully resealed and kept upright to prevent leakage

Storage specifications Keep in a dry place.

7.3 Specific end use(s)

Recommendations : Not available.
Industrial sector specific solutions : Not available.

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8. Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

DIBENZOYL PEROXIDE

Great Britain

Long-term exposure value/ mg/m ³	Source
5	19

Source : 19 - EH40/2005 Workplace exposure limits (2011)

DNEL

Value	Target group	Exposure route	Exposure frequency	Source
11,75 mg/m ³	Workers	Inhalation	Long term effects	100
6,6 mg/kg	Workers	dermal exposure	Long term effects	100
2,9 mg/m ³	Consumers	Inhalation	Long term effects	100
3,3 mg/kg	Consumers	dermal exposure	Long term effects	100
1,65 mg/kg	Consumers	Oral	Long term effects	100

Source : 100 - Firmendaten

PNEC

Value	Exposure route	Source
0,000602 mg/l	freshwater	100
0,338 mg/kg	freshwater sediment	100
0,0000602 mg/l	marine water	100
0,0338 mg/kg	marine sediment	100
0,35 mg/l	Waste water pretreatment	100
6,67 mg/kg	Oral	100

Source : 100 - Firmendaten

Dicyclohexyl phthalate

Great Britain

Long-term exposure value/ mg/m ³	Source
5	19

Source : 19 - EH40/2005 Workplace exposure limits (2011)

DNEL

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Value	Target group	Exposure route	Exposure frequency	Source
35,2 mg/m ³	Workers	Inhalation	Long term effects systemic	100
0,5 mg/kg	Workers	dermal exposure	Long term effects systemic	100

Source : 100 - Firmendaten

PNEC

Value	Exposure route	Source
0,00362 mg/l	freshwater	100
1,06 mg/kg	freshwater sediment	100
0,000362 mg/l	marine water	100
01,06 mg/kg	marine sediment	100
10 mg/l	STP	100
0,21	Soil	100

Source : 100 - Firmendaten

8.2 Exposure controls

Respiratory protection	Use the indicated respiratory protection if the occupational exposure limit is exceeded and/or in case of product release (dust). Half mask with a particle filter P2 (EN 143).
Hand protection	Protective gloves complying with EN 374. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. Unsuitable material : woven fabric, Leather gloves Suitable material : Nitrile
Eye protection	Tightly fitting safety goggles
Skin and body protection	Wear suitable protective equipment. Long sleeved clothing
General protective and hygiene measures	Do not breathe dust. Avoid contact with the skin and the eyes Wash hands before breaks and at the end of workday. Use protective skin cream before handling the product. General Information Alveolar dust fraction 1,25 mg/m ³ respirable dust fraction 10 mg/m ³ 2 (II)
Engineering measures	Provide appropriate exhaust ventilation at machinery and at places where dust can be generated.

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9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state	: Solid
Colour	: Grey
Odour	: Odourless.
pH	: Not available.
Melting point/freezing point	: Not available.
Initial boiling point and boiling range	: Not available.
Evaporation rate	: Not available.
Upper/lower flammability or explosive limits	: Not available.
Autoignition temperature [°C]	: Not determined
Vapour pressure	: Not available.
Vapour density	: Not available.
Relative density	: appr. 2,0 g/cm ³
Solubility in water	: Insoluble
Partition coefficient: n-octanol/water	: Not determined.
Auto-ignition temperature	: Not determined.
Decomposition temperature	: Not available.
Viscosity	: Not available.
Oxidising properties	: Not determined.

9.2 Other information

No additional information.

10. Stability and reactivity

10.1 Reactivity:

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

10.2 Chemical stability:

Stable under recommended storage and handling conditions (see Section 7).

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10.3 Possibility of hazardous reactions:

None

10.4 Conditions to avoid:

Conditions to avoid: None under normal processing.

10.5 Incompatible materials:

None

10.6 Hazardous decomposition products:

Under normal conditions of storage and use, hazardous decomposition products should not be produced. If involved in a fire, toxic gases including CO, CO₂ and smoke can be generated.

11. Toxicological information

11.1 Information on toxicological effects

11.1 Hazardous ingredients

DIBENZOYL PEROXIDE

Oral toxicity [mg/kg]	Test criterion	Test species	Source
> 5000 mg/kg	LD50	rat	100

Source : 100 - Firmendaten

Inhalative toxicity [mg/l]	Test criterion	Test species	Note	Exposure duration	Source
24,3 mg/l	LC50	rat	OECD Test Guide-line 403	4 hours	2

Source : 2 - SimChem

LC50 Inhalation 4h for dusts and sprays [mg/l]	Test criterion	Test species	Source
>24,3	LC0	rat	100

Source : 100 - Firmendaten

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Irritant effect on skin	No skin irritation
Measuring method	OECD Test
Guideline 404	
Test species	rabbit
Irritant effect on eyes	Eye irritation, reversibel innerhalb
21 Tage Measuring method	OECD Test Guideline 405
Test species	rabbit
Sensitization	Skin
sensitization	
Measuring method	OECD TG 429
Test species	mouse
Carcinogenic effects	Did not show carcinogenic effects in animal
experiments. Mutagenicity	Did not show mutagenic effects in animal
experiments. Reproduction toxicity	No toxicity to reproduction

Specific target organ toxicity (single exposure) [mg/kg]	Source
no data available	2

Source : 2 - SimChem

Specific target organ toxicity (repeated exposure) [mg/kg]	Source
Animal testing did not show any hazardous effects.	2

Source : 2 - SimChem

Dicyclohexyl phthalate

Oral toxicity [mg/kg]	Test criterion	Test species	Source
>2001	LD50	rat	100

Source : 100 - Firmendaten

Irritant effect on skin	No skin irritation
Measuring method	OECD 439 Skin
irritation	
Irritant effect on eyes	No eye irritation
Measuring method	OECD 437 Eye
irritation	
Sensitization	Skin sensitization
Mutagenicity	negative
Reproduction toxicity	Tests in some animals may indicate that the technical active ingredient may have embryotoxic activity.

Specific target organ toxicity (single exposure) [mg/kg]	Source
no data available	100

Source : 100 - Firmendaten

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11.2 Additional information

Experience in practice May cause sensitization by inhalation.
Other information (chapter 11.) No toxicology information is available.

12. Ecological information

12.1 Toxicity

Hazardous ingredients

DIBENZOYL PEROXIDE

Toxicity to fish [mg/l]	Test criterion	Test species	Measuring method	Exposure duration	Source
0,0602	LC50	Oncorhynchus mykiss (rainbow trout)	OECD Test Guideline 203	96 h	100

Source : 100 - Firmendaten

Toxicity to daphnia [mg/l]	Test criterion	Test species	Exposure duration	Measuring method	Source
0,110	EC 50	Daphnia magna (Water flea)	48 h	OECD Test Guideline 202	100

Source : 100 - Firmendaten

Toxicity to algae [mg/l]	Test criterion	Test species	Exposure duration	Measuring method	Source
0,0711	EC 50	Pseudokirchneriella -	72 h	OECD Test Guideline 201	100

Source : 100 - Firmendaten

Biodegradability	Biodegradable.
68 % Remarks	inherently
biodegradable	
Measuring method	OECD 301D/ EEC
92/69/V, C.4-E Duration	28 day(s)
Ready degradability	

Dicyclohexyl phthalate

Toxicity to fish [mg/l]	Test criterion	Test species	Measuring method	Exposure duration	Remarks	Source
(>2)	LD50	Orange-red killifish	OECD Test Guideline 203	96 h	maximum Solubility	100

Source : 100 - Firmendaten

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Toxicity to algae [mg/l]	Test criterion	Test species	Exposure duration	Measuring method	Remarks	Source
(>2)	EC 50	Pseudokirchneriella subcapitata	72 h	OECD Test Guideline 201	maximum Solubility	100

Source : 100 - Firmendaten

NOEC (daphnia) [mg/l]	Test species	Exposure duration	Source
0,679	Daphnia magna (Water flea)	21 day(s)	100

Source : 100 - Firmendaten

NOEC (algae) [mg/l]	Test species	Measuring method	Exposure duration	Source
>2	Pseudokirchneriella subcapitata	OECD Test Guideline 201	72 hours	100

Source : 100 - Firmendaten

Biodegradability Readily biodegradable. Ready degradability
Bioaccumulation no data available
Results of PBT characteristics determination

12.6 Other adverse effects

This substance is not considered to be persistent, bioaccumulating nor toxic (PBT).

Further information on ecology We have no quantitative data concerning the ecological effects of this product.

13. Disposal considerations

13.1 Waste treatment methods

Disposal considerations According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. The following Waste Codes are only suggestions:
Uncleaned empty packaging--

14. Transport information

	ADR/RID	IMDG	IATA
14.1 UN number	Non dangerous good	Non dangerous good	Non dangerous good IATA
14.2 UN proper shipping name		Non dangerous good	Non dangerous good
Additional information	Limited quantity: LQ7 Remarks: (< 5L:) Limited Quantity - ADR/IMDG 3.4 ADR Tunnel code: (D/E)	Emergency schedules (EmS): F-E + S-E Marine pollutant (P) Remarks: (< 5L:) Limited Quantity - ADR/IMDG 3.4.6	Passenger and Cargo Aircraft Quantity limitation: 60 L Packaging instructions: 355 Cargo Aircraft Only Quantity limitation: 220 L Packaging instructions: 366 Limited Quantities - Passenger Aircraft Quantity limitation: 10 L Packaging instructions: Y 344

14.6 Special precautions for user

Precautions No special measures are required.

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code.

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

15. Regulatory information

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

Additional regulations Additionally, observe any national regulations!

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16. Other information

Abbreviations and acronyms:

ATE	=	Acute Toxicity Estimate
CLP	=	Classification, Labelling and Packaging Regulation according to 1272/2008/EC
DMEL	=	Derived Minimal Effect Level
DNEL	=	Derived No Effect Level
IATA	=	International Air Transport Association
IMDG	=	International Maritime Dangerous Goods Code
LEL	=	Lower Explosive Limit/Lower Explosion Limit
UEL	=	Upper Explosive Limit/Upper Explosive Limit
REACH	=	Registration, Evaluation, Authorisation and Restriction of Chemicals
RRN	=	REACH Registration Number
EC50	=	Median Effective Concentration
LC50	=	Median lethal concentration
LD50	=	Median lethal dose
TLV	=	Threshold Limits
TWA	=	Time Weighted Average
STEL	=	Short Term Exposure Limit
NA	=	Not Applicable
PBT	=	Persistent, Bio accumulating and Toxic
vPvB	=	Very Persistent and Very Bioaccumulative

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Full text of abbreviated H statements:

H226	Flammable liquid and vapour.
Relevant H-phrases	EUH208: Contains δ DIBENZOYL PEROXIDE;Dicyclohexyl phthalate. May produce an allergic reaction. EUH210: Safety data sheet available on request. 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.
H412	Harmful to aquatic life with long lasting effects.

Wording of the hazard classes

Org. Perox.: Organic peroxide
 Eye Irrit.: Serious eye irritation
 Skin Sens.: Skin sensitization
 Aquatic Acute: Hazardous to the aquatic environment
 Repr.: Reproductive toxicity
 Aquatic Chronic: Hazardous to the aquatic environment

Full text of classifications [CLP/GHS]

Acute Tox. 4, H312	ACUTE TOXICITY: SKIN - Category 4
Acute Tox. 4, H332	ACUTE TOXICITY: INHALATION - Category 4
Aquatic Chronic 2, H411	AQUATIC TOXICITY (CHRONIC) - Category 2
Asp. Tox. 1, H304	ASPIRATION HAZARD - Category 1
Carc. 2, H351	CARCINOGENICITY - Category 2
Eye Irrit. 2, H319	SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2

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Flam. Liq. 3, H226
Resp. Sens. 1, H334

Skin Irrit. 2, H315
Skin Sens. 1, H317
STOT RE 1, H372

STOT RE 2, H373

STOT SE 3, H335

STOT SE 3, H335 and H336

FLAMMABLE LIQUIDS - Category 3
RESPIRATORY SENSITIZATION - Category 1
REPR. 2, H361F
TOXIC TO REPRODUCTION [Fertility] - Category 2
SKIN CORROSION/IRRITATION - Category 2
SKIN SENSITIZATION - Category 1
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE): INHALATION [respiratory tract] - Category 1
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE): INHALATION - Category 2
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) [Respiratory tract irritation] - Category 3
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) [Respiratory tract irritation and Narcotic effects] - Category 3

The contents and format of this SDS are in accordance with EEC Commission Directive 1999/45/EC, 67/548/EC, 1272/2008/EC and EEC Commission Regulation 1907/2006/EC (REACH) Annex II.

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