

Section 1: Identification of the Product and Company Identification

1.1. Product Identifier

Product Name: ClassicBond Two-Part Pourable Sealer – Part B
Product Code: 302084

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

Identified uses Catalyst for water-proof sealant. Product for industrial use only
Uses advised against No additional information available

1.3. Details of the supplier of the safety data sheet

Suppliers: Flex-R Ltd.
Sandswood House
Hillbottom Road
Sands Industrial Estate
High Wycombe
Buckinghamshire
HP12 4HJ
Tel: 01494 448792 Fax: 01494 858433 Email: enq@ClassicBond.co.uk

1.4. Emergency telephone number

Emergency telephone 01865 407333 – English speaking (24 hours, 7 days)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Physical hazards No additional information available
Health hazards Acute Tox. 4 (Inhalation) H332
Skin Irrit. 2 H315
Eye Irrit. 2 H319
Resp. Sens. 1 H334
Skin Sens. 1 H317
Carc. 2 H351
STOT SE 3 H335
STOT RE 2 H373
Environmental hazards Aquatic Acute 1 H400
Aquatic Chronic 1 H410
Human Health No additional information available
Physicochemical No additional information available

2.2. Label elements

Pictogram



Signal word

Danger

Hazard statements

H315 - Causes skin irritation
 H317 - May cause an allergic skin reaction
 H319 - Causes serious eye irritation
 H332 - Harmful if inhaled
 H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled
 H335 - May cause respiratory irritation
 H351 - Suspected of causing cancer
 H373 - May cause damage to organs (respiratory system) through prolonged or repeated exposure (if inhaled)
 H410 - Very toxic to aquatic life with long lasting effects

Precautionary statements

P201 - Obtain special instructions before use
 P280 - Wear protective gloves/protective clothing/eye protection/face protection
 P302+P352 - IF ON SKIN: Wash with plenty of water
 P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing
 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
 P501 - Dispose of contents/container to an authorised waste collection point

Contains

Diphenylmethane diisocyanate

2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII
 This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

SECTION 3: Composition/information on ingredients

3.2. Mixtures

DIPHENYLMETHANE DIISOCYANATE		30 - 60%
CAS number: 26447-40-5	EC number: 247-714-0	REACH registration number:
	EC Index number: 615-005-00-9	
Classification		
Carc. 2, H351		
Acute Tox. 4 (Inhalation), H332		
STOT RE 2, H373		
Eye Irrit. 2, H319		
STOT SE 3, H335		
Skin Irrit. 2, H315		
Resp. Sens. 1, H334		
Skin Sens. 1, H317		

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TERPHENYL, HYDROGENATED			30 - 60%
CAS number: 61788-32-7	EC number: 215-279-6	REACH registration number:	
Classification			
Aquatic Chronic 4, H413			

DIPHENYLMETHANE-4,4'-DI-ISOCYANATE			20 - 50%
CAS number: 101-68-8	EC number: 202-966-0	REACH registration number:	
	EC Index number: 615-005-00-9		
Classification			
Carc. 2, H351			
Acute Tox. 4 (Inhalation), H332			
STOT RE 2, H373			
Eye Irrit. 2, H319			
STOT SE 3, H335			
Skin Irrit. 2, H315			
Resp. Sens. 1, H334			
Skin Sens. 1, H317			

TERPHENYL			1 - 5%
CAS number: 26140-60-3	EC number: 247-477-3	REACH registration number:	
Classification			
Aquatic Acute 1, H400			
Aquatic Chronic 1, H410			

TRIETHYL PHOSPHATE			0.5 – 1.5%
CAS number: 78-40-0	EC number: 201-114-5	REACH registration number:	
	EC Index number: 015-013-00-7		
Classification			
Acute Tox. 4 (Oral), H302			
Eye Irrit. 2, H319			

The Full Text for all Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Exclusive British Isles Distributors for Carlisle-SynTec and ClassicBond EPDM single ply roofing materials.

Flex-R Ltd., Sandwood House, Hillbottom Road, Sands Industrial Estate, High Wycombe,
Buckinghamshire, HP12 4HJ. Tel: +44 (0)1494 448792 Fax: +44 (0)1494 858433

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General information	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If symptoms develop, obtain medical attention.
Ingestion	Do NOT induce vomiting. Rinse mouth. Give 100 - 200 ml of water to drink. Do not give an unconscious person anything to drink. Obtain immediate medical attention.
Skin contact	Immediately remove contaminated clothing or footwear. Rinse skin with plenty of water or shower. If skin irritation occurs: Get medical advice/attention.
Eye contact	Rinse cautiously with water for several minutes. Ensure that folded skin of eyelids is thoroughly washed with water. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

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

Inhalation	May cause allergy or asthma symptoms or breathing difficulties if inhaled. Inhalation of vapours may cause respiratory irritation.
Ingestion	Ingestion may cause irritation of the gastrointestinal tract.
Skin contact	Causes skin irritation. May cause an allergic skin reaction.
Eye contact	Causes serious eye irritation.

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

Notes for the doctor	Treat symptomatically.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Dry chemical. Foam. Carbon dioxide.
Unsuitable extinguishing media	Do not use water jet. Water may be ineffective.

5.2. Special hazards arising from the substance or mixture

Fire hazard	Not flammable.
Explosion hazard	Containers may rupture when heated.
Reactivity in case of fire	Reacts on contact with water releasing carbon dioxide (CO ₂).
Hazardous decomposition products in case of fire	Fire may produce irritating, corrosive and/or toxic gases. Butadiene. calcium oxides. Carbon monoxide. Carbon dioxide.

5.3. Advice for firefighters

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Firefighting instructions	Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Do not allow run-off from firefighting to enter drains or water courses.
Special protective equipment for firefighters	Fire fighters should wear complete protective clothing including self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures	Evacuate unnecessary personnel. Ensure adequate ventilation.
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6.1.2. For emergency responders

Protective equipment	Wear suitable protective clothing and eye or face protection.
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Emergency procedures	Ensure adequate ventilation. Avoid inhalation of vapours. Avoid contact with skin and eyes.
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6.2. Environmental precautions

Environmental precautions	Avoid release to the environment. Prevent entry to sewers and public waters. Notify authorities if large amounts of the product enters sewers or public waters.
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6.3. Methods and material for containment and cleaning up

Methods for cleaning up	Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Transfer to open top containers in a well-ventilated place and neutralize with 10% mixture of ammonium hydroxide in water for 48 hours allowing carbon dioxide to escape.
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6.4. Reference to other sections

Reference to other sections	SECTION 8: Exposure controls/personal protection. SECTION 13: Disposal considerations.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Provide adequate ventilation. Avoid inhalation of vapours. Avoid contact with skin, eyes and clothing.
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Hygiene measures	Do not eat, drink or smoke when using this product. Handle in accordance with good industrial hygiene and safety practice. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace.
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7.2. Conditions for safe storage, including any incompatibilities

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Storage conditions	Store locked up. Store in a well-ventilated place. Keep container tightly closed. Protect from freezing.
Incompatible materials	Alcohols. Amines. Acids. Alkalis. Metal compounds. Surface-active agents.
Storage temperature	> 5 °C

7.3. Specific end use(s)

Specific end use(s)	Catalyst for waterproof sealant. Product for industrial use only.
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SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

TERPHENYL (26140-60-3))

WEL STEL (mg/m³) 4.8 mg/m³

WEL STEL (ppm) 0.5 ppm

ISOCYANATES

WEL TWA (mg/m³) 0.02 mg/m³

WEL STEL (mg/m³) 0.07 mg/m³

Remark (WEL) Sen

8.2. Exposure controls

Appropriate engineering controls	Provide adequate ventilation.
Personal protective equipment	Avoid all unnecessary exposure.
Eye/face protection	Chemical goggles or face shield. Standard EN 166 - Personal eye-protection.
Hand protection	Wear chemically resistant protective gloves. Standard EN 374 - Protective gloves against chemicals. Gloves should be removed and replaced if there are any signs of degradation or breakthrough.
Other skin and body protection	Long sleeved protective clothing. Rubber Boots
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment.
Environmental exposure controls	Avoid release to the environment.
Thermal hazard protection	Wear heat-resistant gloves and clothing if the product is heated.
Other information	Do not eat, drink or smoke during use. Handle in accordance with good industrial hygiene and safety procedures. Contaminated work clothing should not be allowed out of the workplace.

SECTION 9: Physical and Chemical Properties

Exclusive British Isles Distributors for Carlisle-SynTec and ClassicBond EPDM single ply roofing materials.

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9.1. Information on basic physical and chemical properties

Physical state	Liquid
Appearance	Oily.
Colour	Yellow.
Odour	Slight.
Odour threshold	No data available
pH	No data available
Relative evaporation rate (butylacetate=1)	No data available
Melting point	> 0 °C
Freezing point	No data available
Boiling point	> 314 - 342 °C
Flash point	> 177 °C
Auto-ignition temperature	374 °C
Decomposition temperature	No data available
Flammability (solid, gas)	Not applicable
Vapour pressure	0.001 mm Hg (40°C)
Relative vapour density at 20 °C	No data available
Relative density	1.09 - 1.14 (Water = 1)
Solubility	Reacts with water.
Log Pow	No data available
Log Kow	No data available
Viscosity, kinematic	No data available
Viscosity, dynamic	No data available
Explosive properties	Not explosive.
Oxidising properties	Not oxidising.
Explosive limits	No data available

9.2. Other information

VOC content	< 10 g/l
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	Reacts on contact with water releasing carbon dioxide (CO ₂).
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10.2. Chemical stability

Stability Stable under normal conditions.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Reacts on contact with water releasing carbon dioxide (CO₂).

10.4. Conditions to avoid

Conditions to avoid Extremely high or low temperatures. Avoid prolonged heating above 160°C or storage below 5°C.

10.5. Incompatible materials

Materials to avoid Alcohols. Amines. Acids. Alkalis. Metal compounds. Surface-active agents.

10.6. Hazardous decomposition products

Hazardous decomposition products Reacts on contact with water releasing carbon dioxide (CO₂). Fire may produce irritating, corrosive and/or toxic gases. Isocyanates. Hydrogen cyanide. Nitrogen oxides. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity Harmful if inhaled.

Toxicological information on ingredients.

DIPHENYLMETHANE DIISOCYANATE (26447-40-5)

LD50 oral rat > 7400 mg/kg

LD50 dermal rabbit > 6200 mg/kg

LC50 inhalation rat (mg/l) 0.369 mg/l/4h

TERPHENYL, HYDROGENATED (61788-32-7)

LD50 oral rat > 10000 mg/kg

LD50 dermal rabbit > 2000 mg/kg

LC50 inhalation rat (mg/l) > 0.47 mg/l/4h

TERPHENYL (26140-60-3)

LD50 oral rat 2604 mg/kg

LD50 dermal rabbit > 5000 mg/kg

LC50 inhalation rat (mg/l) > 3.8 mg/l/4h

DIPHENYLMETHANE-4,4'-DI-ISOCYANATE (101-68-8)

LC50 inhalation rat (mg/l) 368 mg/l/4h

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Skin corrosion/irritation	Causes skin irritation.
Serious eye damage/irritation	Causes serious eye irritation.
Respiratory or skin sensitisation	May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.
Germ cell mutagenicity	Not classified Based on available data, the classification criteria are not met
Carcinogenicity	Suspected of causing cancer.
Reproductive toxicity	Not classified Based on available data, the classification criteria are not met
Specific target organ toxicity (single exposure)	Not classified Based on available data, the classification criteria are not met
Specific target organ toxicity (repeated exposure)	May cause damage to organs (respiratory system) through prolonged or repeated exposure (if inhaled).
Aspiration hazard	Not classified Based on available data, the classification criteria are not met
Potential adverse human health effects and symptoms	May cause damage to organs (respiratory system) through prolonged or repeated exposure (if inhaled).

SECTION 12: Ecological Information

12.1. Toxicity

Ecology - water Very toxic to aquatic life with long lasting effects.

TERPHENYL, HYDROGENATED (61788-32-7)

LC50	> 0.53 mg/l (96 Hours, static test, Pimephales promelas)
LC50	> 0.53 mg/l (96 Hours, static test, Lepomis macrochirus)
LC50	> 0.53 mg/l (96 Hours, static test, Oncorhynchus mykiss (Rainbow trout))
EC50	> 0.53 mg/l (96 Hours, Pseudokirchnerella subcapitata)
EC50	0.011 mg/l (48 Hours, Daphnia magna)

TERPHENYL (26140-60-3)

LC50	27 mg/l (96 Hours, static test, Oncorhynchus mykiss (Rainbow trout))
EC50	0.022 mg/l (48 Hours, static test, Daphnia magna)

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

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Class (IMDG) 9

Hazard labels (ADR/RID) 9



Hazard labels (IATA) 9



Danger labels (IMDG) 9



14.4. Packing group

Packing group (ADR/RID) II

Packing group (IATA) II

Packing group (IMDG) II

14.5. Environmental hazards

Dangerous for the environment
Marine pollutant



Other information

No supplementary information available.

14.6. Special precautions for user

Special transport precautions

No special precautions required.

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

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

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Authorisations and/or restrictions on use (Annex XVII):

ClassicBond Two-Part Pourable Sealer – Part B

3.a. Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F

ClassicBond Two-Part Pourable Sealer – Part B

3.b. Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10

ClassicBond Two-Part Pourable Sealer – Part B

3.c. Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1

Contains no substance on the REACH candidate list

VOC content < 727 g/l

15.1.2. National regulations

National regulations No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Issued by	Technical
Revision date	28/02/2018
Data sources	REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
Hazard statements in full	Aquatic Acute 1 Hazardous to the aquatic environment — Acute Hazard, Category 1 Aquatic Chronic 1 Hazardous to the aquatic environment — Chronic Hazard, Category 1 Aquatic Chronic 2 Hazardous to the aquatic environment — Chronic Hazard, Category 2 Aquatic Chronic 3 Hazardous to the aquatic environment — Chronic Hazard, Category 3 Asp. Tox. 1 Aspiration hazard, Category 1 Eye Irrit. 2 Serious eye damage/eye irritation, Category 2 Flam. Liq. 2 Flammable liquids, Category 2

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Repr. 2 Reproductive toxicity, Category 2
Skin Corr. 1A Skin corrosion/irritation, Category 1A
Skin Irrit. 2 Skin corrosion/irritation, Category 2
Skin Sens. 1 Sensitisation — Skin, category 1
STOT RE 2 Specific target organ toxicity — Repeated exposure, Category 2
STOT SE 3 Specific target organ toxicity — Single exposure, Category 3,
Narcosis
H225 Highly flammable liquid and vapour
H304 May be fatal if swallowed and enters airways
H314 Causes severe skin burns and eye damage
H315 Causes skin irritation
H317 May cause an allergic skin reaction
H319 Causes serious eye irritation
H336 May cause drowsiness or dizziness
H361d Suspected of damaging the unborn child
H373 May cause damage to organs through prolonged or repeated exposure
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
H412 Harmful to aquatic life with long lasting effects

NCEC SDS EU (REACH ANNEX II)

The information contained herein is based upon data and information available to us, and reflects our best professional judgment. This product may be formulated in part with components purchased from other companies. In many instances, especially when proprietary or trade secret materials are used, CCWI Company must rely upon the hazard evaluation of such components submitted by that product's manufacturer or importer. No warranty of merchantability, fitness for any use, or any other warranty is expressed or implied regarding the accuracy of such data or information. The results to be obtained from the use thereof, or that any such use does not infringe any patent, since the information contained herein may be applied under conditions of use beyond our control and with which we may be unfamiliar, we do not assume responsibility for the results of such application. This information is furnished upon the condition that the person receiving it shall make his own determination of the suitability of the material for his particular use