Safety Data Sheet
Two-Part Pourable Sealer – Part B 0.473L

Revision Date: 28/02/2018
Safety Data Sheet
according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Section 1: Identification of the Product and Company Identification

1.1. Product Identifier

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

Product Code: 302060

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

Identified uses Catalyst for water-proof sealant. Product for professional use only

Uses advised against No additional information available

1.3. Details of the supplier of the safety data sheet

Suppliers:

Flex-R
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 01494 448792 (NOT 24HRS Monday-Thursday 08.30 – 17.30 Friday 08.30 – 16.30)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]Mixtures/Substances: SDS EU 2015: According to Regulation (EU) 2015/830 (REACH Annex II)

Acute Tox. 3 (Inhalation)	H331
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
Aquatic Chronic 2	H411

Full text of hazard classes and H-statements : see section 16

2.2. Label elements	
Pictogram	

GHS06 GHS08 GHS00

Signal word (CLP)	Danger
Hazardous Ingredients	Diphenylmethane diisocyanate
Hazard statements	H315 - Causes skin irritation. H317 - May cause an allergic skin reaction. H319 - Causes serious eye irritation. H331 - Toxic if inhaled. H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled. H335 - May cause respiratory irritation. H351 - Suspected of causing cancer (inhalation). H373 - May cause damage to organs (respiratory system) through prolonged or repeated exposure (if inhaled). H411 - Toxic to aquatic life with long lasting effects.
Precautionary statements	P201 - Obtain special instructions before use. P202 - Do not handle until all safety precautions have been read and understood. P260 - Do not breathe spray, vapours. P264 - Wash hands, forearms and face 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.

2.3. Other hazards

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

This substance/mixture meets the vPvB criteria of REACH regulation, annex XIII

Contains vPvB substances >= 0.1% assessed in accordance with REACH Annex XIII

SECTION 3: Composition/information on ingredients

3.1 Substances

Not Applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Diphenylmethane diisocyanate	(CAS-No.) 26447-40-5 (EC No.) 247-714-0 (EC index No.) 615-005-00-9	40 - 60	Acute Tox. 2 (Inhalation), H330 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

Terphenyl, hydrogenated substance listed as REACH Candidate (Terphenyl hydrogenated)	(CAS-No.) 61788-32-7	40 - 60	Aquatic Chronic 2, H411

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

SECTION 4: First aid measures

4.1. Description of first aid measures

First Aid Measures General — Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First Aid Measures Inhalation — Remove victim to fresh air and keep at rest in a position comfortable for breathing. If symptoms develop, obtain medical attention.

First Aid Measures Skin contact — Immediately remove contaminated clothing or footwear. Rinse skin with plenty of water or shower. If skin irritation occurs: Get medical advice/attention.

First Aid Measures 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.

First Aid Measures 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.

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

Symptoms/effects Inhalation — May cause allergy or asthma symptoms or breathing difficulties if inhaled. Inhalation of vapours may cause respiratory irritation.

Symptoms/effects Skin contact — Causes skin irritation. May cause an allergic skin reaction.

Symptoms/effects Eye contact — Causes serious eye irritation.

Symptoms/effects Ingestion — Ingestion may cause irritation of the gastrointestinal tract.

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

Notes for the doctor — Treat symptomatically.

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 (CO2).
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

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.

6.1.2. For emergency responders

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

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.

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.

6.4. Reference to other sections

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

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.
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.

7.2. Conditions for safe storage, including any incompatibilities

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.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters
Occupational exposure limits

Terphenyl, hydrogenated (61788-32-7)		
EU	Local name	Terphenyl, hidrogenated
EU	IOELV TWA (mg/m³)	19 mg/m³
EU	IOELV TWA (ppm)	2 ppm
EU	IOELV STEL (mg/m³)	48 mg/m³
EU	IOELV STEL (ppm)	5 ppm
EU	Regulatory reference	COMMISSION DIRECTIVE (EU) 2017/164
Ireland	Local name	Hydrogenated terphenyls
Ireland	OEL (8 hours ref) (mg/m³)	4.9 mg/m³
Ireland	OEL (8 hours ref) (ppm)	0.5 ppm
Ireland	Regulatory reference	Code of Practice for the Chemical Agents Regulations 2016
United Kingdom	Local name	Terphenyl, hydrogenated
United Kingdom	WEL TWA (mg/m³)	19 mg/m³
United Kingdom	WEL STEL (mg/m³)	48 mg/m³
United Kingdom	Regulatory reference	EH40. HSE

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

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

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity Reacts on contact with water releasing carbon dioxide (CO2).

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 (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Inhalation: Toxic if inhaled.

ATE CLP (gases)	700 ppmv/4h
ATE CLP (vapours)	3 mg/l/4h
ATE CLP (dust,mist)	0.5 mg/l/4h

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

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
Additional information	: Based on available data, the classification criteria are not met
Carcinogenicity	: Suspected of causing cancer (inhalation).
Reproductive toxicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
STOT-single exposure	: May cause respiratory irritation.
STOT-repeated exposure	: May cause damage to organs (respiratory system) through prolonged or repeated exposure (if inhaled).
Aspiration hazard	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Potential adverse human health effects and symptoms	: Toxic if inhaled. Causes skin irritation. Causes serious eye irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction. Inhalation of vapours may cause respiratory irritation. Ingestion may cause irritation of the gastrointestinal tract.

SECTION 12: Ecological Information

12.1. Toxicity

Ecology - water	: Very toxic to aquatic life with long lasting effects.
Acute aquatic toxicity	: Not classified.
Chronic aquatic toxicity	: 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)

12.2. Persistence and degradability
No additional information available

12.3. Bioaccumulative potential
No additional information available

12.4. Mobility in soil
ClassicBond Two-Part Pourable Sealer – Part B
Ecology - soil Water-reactive.

12.5. Results of PBT and vPvB assessment
ClassicBond Two-Part Pourable Sealer – Part B
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

Component

Terphenyl, hydrogenated (61788-32-7)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture meets the vPvB criteria of REACH regulation, annex XIII

12.6. Other adverse effects

Other adverse effects Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods Dispose of this material and its container at hazardous or special waste collection point.

Waste disposal recommendations Dispose in a safe manner in accordance with local/national regulations. Empty containers should be taken to an approved waste handling site for recycling or disposal.

Additional information Handle empty containers with care.

SECTION 14: Transport information

14.1. UN number

UN No. (ADR)	2206
UN-No. (IMDG)	2206
UN-No. (IATA)	2206

14.2. UN proper shipping name

Proper Shipping Name	: ISOCYANATES, TOXIC, N.O.S. (Terphenyl, hydrogenated)
Proper Shipping Name (IMDG)	: ISOCYANATES, TOXIC, N.O.S. (Terphenyl, hydrogenated)
Proper Shipping Name (IATA)	: Isocyanate solution, toxic, n.o.s. (Terphenyl, hydrogenated)
Transport document description (ADR)	: UN 2206 ISOCYANATES, TOXIC, N.O.S. (Terphenyl, hydrogenated), 6.1, III, (E), ENVIRONMENTALLY HAZARDOUS
Transport document description (IMDG)	: UN 2206 ISOCYANATES, TOXIC, N.O.S. (Terphenyl, hydrogenated), 6.1, III, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS
Transport document description (IATA)	: UN 2206 Isocyanate solution, toxic, n.o.s. (Terphenyl, hydrogenated), 6.1, III, ENVIRONMENTALLY HAZARDOUS

14.3. Transport hazard class(es)

ADR

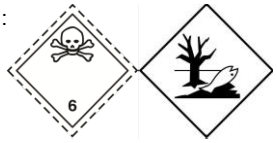
Transport hazard class(es) (ADR) : 6.1
Hazard labels : 6.1

:

IMDG

Transport hazard class(es) (IMDG)	: 6.1
Danger labels (IMDG)	: 6.1

:



IATA

Transport hazard class(es) (IATA)	: 6.1
Hazard labels (IATA)	: 6.1

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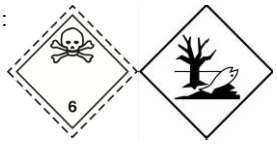

14.4. Packing group

Packing group	III
Packing group (IMDG)	III
Packing group (IATA)	III

14.5. Environmental hazards

Dangerous for the environment	: Yes
Marine pollutant	: Yes
Other information	: No supplementary information available

14.6. Special precautions for user

Special transport precautions : No special precautions required

Overland transport

Tunnel restriction code (ADR) : E

Transport by sea

Properties and observations (IMDG) : Liquids with a pungent odour. Immiscible with water but react with it to form carbon dioxide. Toxic if swallowed, by skin contact or by inhalation. If under deck, with mechanical ventilation, six air changes per hour, except when carried in closed containers, when two air changes per hour are required. Irritating to skin, eyes and mucous membranes.

Air transport

No data 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):

3. Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008	Sure-Seal 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	Sure-Seal 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	Sure-Seal Pourable Sealer - Part B
56. Methylenediphenyl diisocyanate (MDI)	Diphenylmethane diisocyanate

Contains a substance on the REACH candidate list in concentration ≥ 0.1% or with a lower specific limit: Terphenyl hydrogenated (CAS 61788-32- 7)

Contains no REACH Annex XIV substances

VOC content : < 10 g/l

Directive 2012/18/EU (SEVESO III)

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

Indication of changes:			
Section	**Changed item**	**Change**	**Comments**
2.1	Classification	Modified	
2.2	Label elements	Modified	
3	Composition/information on ingredients	Modified	
8.2	Exposure controls	Modified	
14	Transport information	Modified	
15.1	Regulatory information	Modified	
Abbreviations and acronyms:			
	ADR (Accord européen relatif au transport international des marchandises Dangereuses par Route)		
	ATE (Acute Toxicity Estimate)		
	CAS (Chemical Abstracts Service) number		
	CLP (Classification, Labeling and Packaging)		

	DNEL (Derived No Effect Level)
	EC (European Community)
	EC50 (Effective Concentration 50%)
	EN (European Norm)
	IARC (International Agency for Research on Cancer)
	IATA (International Air Transport Association)
	IMDG (International Maritime Dangerous Goods Code)
	IMO (International Maritime Organisation)
	LC50 (Lethal Concentration 50%)
	LD50 (Lethal Dose 50%)
	MAC (Maximal Allowed Concentration)
	OECD (Organisation for Economic Co-operation and Development)
	PBT (Persistent, Bioaccumulative and Toxic)
	PNEC (Predicted No Effect Concentration)
	REACH (Registration, Evaluation and Authorisation of CHemicals)
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.
Other information	: None.

Full text of H- and EUH-statements:	
Acute Tox. 2 (Inhalation)	Acute toxicity (inhal.), Category 2
Acute Tox. 3 (Inhalation)	Acute toxicity (inhal.), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Carc. 2	Carcinogenicity, Category 2
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Resp. Sens. 1	Respiratory sensitisation, Category 1
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H331	Toxic if inhaled.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.
H351	Suspected of causing cancer.

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H373	May cause damage to organs through prolonged or repeated exposure.
H411	Toxic 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, The 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