

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Product name : Sure-Seal Pourable Sealer - Part B
Product code : 302090

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

1.2.1. Relevant identified uses

Use of the substance/mixture : Catalyst for water-proof sealant
Product for industrial use only

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Carlisle Syntec Europe B.V.
Bloemendalerweg 25
1382 KB Weesp
Netherlands

1.4. Emergency telephone number

Emergency number : +44 1865 407 333 – English speaking (24 hours, 7 days)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

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
Aquatic Acute 1 H400
Aquatic Chronic 1 H410

Full text of H-statements: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Carc.Cat.3; R40

Xn; R20

Xn; R48/20

R42

Xi; R36/37/38

R43

N; R50/53

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS07



GHS08



GHS09

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Signal word (CLP)	: Danger
Hazardous ingredients	: Diphenylmethane diisocyanate
Hazard statements (CLP)	: 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 (CLP)	: 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

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

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification according to Directive 67/548/EEC
Diphenylmethane diisocyanate	(CAS No) 26447-40-5 (EC No.) 247-714-0 (EC index No.) 615-005-00-9	30 - 60	Carc.Cat.3; R40 Xn; R20 Xn; R48/20 Xi; R36/37/38 R42 R43
Terphenyl, hydrogenated	(CAS No) 61788-32-7	30 - 60	R53
Diphenylmethane-4,4'-di-isocyanate	(CAS No) 101-68-8 (EC No.) 202-966-0 (EC index No.) 615-005-00-9	20 - 50	Carc.Cat.3; R40 Xn; R20 Xn; R48/20 Xi; R36/37/38 R42 R43
Terphenyl	(CAS No) 26140-60-3 (EC No.) 247-477-3	1 - 5	N; R50/53
triethyl phosphate	(CAS No) 78-40-0 (EC No.) 201-114-5 (EC index No.) 015-013-00-7	0.5 - 1.5	Xn; R22

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	30 - 60	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, hydrogenated	(CAS No) 61788-32-7	30 - 60	Aquatic Chronic 4, H413
Diphenylmethane-4,4'-di-isocyanate	(CAS No) 101-68-8 (EC No.) 202-966-0 (EC index No.) 615-005-00-9	20 - 50	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	(CAS No) 26140-60-3 (EC No.) 247-477-3	1 - 5	Aquatic Acute 1, H400 Aquatic Chronic 1, H410

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
triethyl phosphate	(CAS No.) 78-40-0 (EC No.) 201-114-5 (EC index No.) 015-013-00-7	0.5 - 1.5	Acute Tox. 4 (Oral), H302 Eye Irrit. 2, H319

Full text of R- and H-statements: see 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 after 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 after skin contact	: Immediately remove contaminated clothing or footwear. Rinse skin with plenty of water or shower. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after 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 after 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/injuries after inhalation	: May cause allergy or asthma symptoms or breathing difficulties if inhaled. Inhalation of vapours may cause respiratory irritation.
Symptoms/injuries after skin contact	: Causes skin irritation. May cause an allergic skin reaction.
Symptoms/injuries after eye contact	: Causes serious eye irritation.
Symptoms/injuries after ingestion	: Ingestion may cause irritation of the gastrointestinal tract.

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

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 (CO ₂).
Hazardous decomposition products in case of fire	: Fire may produce irritating, corrosive and/or toxic gases. Isocyanates. Nitrogen oxides. Hydrogen cyanide. 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 fire fighting to enter drains or water courses.
Protection during firefighting	: 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.
Emergency procedures	: Ensure adequate ventilation. Avoid inhalation of vapours. Avoid contact with skin and eyes.

6.2. Environmental precautions

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.
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6.4. 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. Use only outdoors or in a well-ventilated area. 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)

Catalyst for water-proof sealant. Product for industrial use only.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Terphenyl (26140-60-3)		
United Kingdom	Local name	Terphenyls, all isomers
United Kingdom	WEL STEL (mg/m ³)	4.8 mg/m ³
United Kingdom	WEL STEL (ppm)	0.5 ppm

Isocyanates		
United Kingdom	Local name	Isocyanates, all (as -NCO)
United Kingdom	WEL TWA (mg/m ³)	0.02
United Kingdom	WEL STEL (mg/m ³)	0.07
United Kingdom	Remark (WEL)	Sen

8.2. Exposure controls

Appropriate engineering controls : Provide adequate ventilation.

Personal protective equipment : Avoid all unnecessary exposure.

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.

Eye protection : Chemical goggles or face shield. Standard EN 166 - Personal eye-protection.

Skin and body protection : Long sleeved protective clothing. Rubber boots.

Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.

Thermal hazard protection : Wear heat-resistant gloves and clothing if the product is heated.

Environmental exposure controls : Avoid release to the environment.

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

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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

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

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

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

10.4. Conditions to avoid

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

10.5. Incompatible materials

Alcohols. Amines. Acids. Alkalis. Metal compounds. Surface-active agents.

10.6. 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.

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

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

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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)	: May cause respiratory irritation. 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	: Causes skin irritation. Allergic skin rash. Causes serious eye irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled. 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.

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

Sure-Seal Pourable Sealer - Part B	
Ecology - soil	Water-reactive.

12.5. Results of PBT and vPvB assessment

Sure-Seal 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	

12.6. 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

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

UN-No. (ADR)	: 3082
UN-No. (IATA)	: 3082
UN-No. (IMDG)	: 3082

14.2. UN proper shipping name

Proper Shipping Name (ADR/RID)	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Proper Shipping Name (IATA)	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

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Proper Shipping Name (IMDG) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
:
Transport document description (ADR) : UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS ; Terphenyl(26140-60-3)), 9, III

14.3. Transport hazard class(es)

Class (ADR/RID) : 9
Class (IATA) : 9
Class (IMDG) : 9
Hazard labels (ADR/RID) : 9



Hazard labels (IATA) : 9



Danger labels (IMDG) : 9



14.4. Packing group

Packing group (ADR/RID) : III
Packing group (IATA) : III
Packing group (IMDG) : III

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 73/78 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.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

Contains no substance on the REACH candidate list

VOC content : < 10 g/l

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15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

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 R-, H- and EUH-statements:

Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
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 4	Hazardous to the aquatic environment — Chronic Hazard, Category 4
Carc. 2	Carcinogenicity, Category 2
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Resp. Sens. 1	Sensitisation — Respiratory, category 1
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, Respiratory tract irritation
H302	Harmful if swallowed
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 through prolonged or repeated exposure
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H413	May cause long lasting harmful effects to aquatic life
R20	Harmful by inhalation
R22	Harmful if swallowed
R36/37/38	Irritating to eyes, respiratory system and skin
R40	Limited evidence of a carcinogenic effect
R42	May cause sensitization by inhalation
R43	May cause sensitisation by skin contact
R48/20	Harmful: danger of serious damage to health by prolonged exposure through inhalation
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R53	May cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
Xi	Irritant
Xn	Harmful

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