Date: January 2010

HEALTH & SAFETY DATA SHEET: S-CS-SEALANT

S-CS-SEALANT contains diphenylmethane - 4,4 diisocyanate.
Harmful if taken internally - do not inhale fumes.

Covering capacity figures given in this leaflet are approximate only. They are quoted solely for guidance and are therefore given entirely without responsibility because conditions of surface and workmanship vary with each particular job).

All orders are accepted subject to our Conditions of Sale (a copy of which will be supplied to you on request) which prevail over any terms or conditions contained in or referred to in the order or correspondence which are inconsistent with them.

Although the information and recommendations contained in our literature or given by our employees, representatives, agents or distributors with regard to our products and the use of the same are based upon extensive experience and given in good faith we accept no liability for any loss or damage (including direct contingent or consequential loss or loss of profits) arising in respect thereof.
UK HEALTH & SAFETY AT WORK ACT 1974

PRODUCT SAFETY DATA SHEET : S-CS-SEALANT PACK A

1. PRODUCT AND COMPANY IDENTIFICATION
1.1 CHEMICAL NATURE
Preparation containing a product of coal tar origin and polyester polypol blended with butylbenzyl phthalate

1.2 COMPANY – FIBRELTIE COMPOSITES LTD ENGLAND
TEL NO: +44 (0)1756 799773

2. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>CAS NO</th>
<th>EC NO</th>
<th>UN NO</th>
</tr>
</thead>
<tbody>
<tr>
<td>85-68-7</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

HAZARDOUS COMPONENTS IN COAL TAR PRODUCT

<table>
<thead>
<tr>
<th>Substance</th>
<th>Concentration</th>
<th>Symbol</th>
<th>R-phrase</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzo(a)anthracene</td>
<td>0.17%</td>
<td>T</td>
<td>45</td>
</tr>
<tr>
<td>Benzo(a)pyrene</td>
<td>0.16%</td>
<td>T</td>
<td>45,46,47</td>
</tr>
<tr>
<td>Dibenzo(ah)anthracene</td>
<td>0.02%</td>
<td>T</td>
<td>45</td>
</tr>
<tr>
<td>Benzo(b+j+k)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fluoranthene</td>
<td>0.23%</td>
<td>T</td>
<td>45</td>
</tr>
</tbody>
</table>
3. HAZARD IDENTIFICATION EEC-LABEL
3.1 May cause cancer T
3.2 Harmful in contact with skin and if swallowed
3.3 Harmful by inhalation

4. FIRST AID MEASURES
4.1 SKIN CONTACT
Remove contaminated clothing.
Wash affected area with plenty of soap and water do not use solvents.
Launder clothes before re-use

4.2 EYE CONTACT
WILL CAUSE LACRIMATION AND SEVERE IRRITATION
Rinse immediately with water for at least 15 minutes seek medical attention.

4.3 INHALATION
Move affected person to fresh air.
If recovery not rapid seek medical attention.

4.4 INGESTION
Only when conscious rinse mouth with plenty of water.
Keep patient at rest and seek medical attention immediately.
In case of spontaneous vomiting be sure that vomit can freely drain because of danger of suffocation.
INDUCE VOMITING but only as directed by Medical Personnel.

IN ALL CASES OF DOUBT OR WHEN SYMPTOMS PERSISTS ALWAYS SEEK MEDICAL ATTENTION.
5 FIRE FIGHTING MEASURES
5.1 SUITABLE EXTINGUISHING MEDIA
Water mist, Carbon dioxide, Foam, Dry powder.
5.2 UNSUITABLE EXTINGUISHING MEDIA
High pressure water jet.
5.3 EXPOSURE HAZARDS
Noxious or toxic vapours may be released in fire situation.
Do not release contaminated water into drains soil or surface water.
Take measures to retain water used for extinguishing.
Dispose of contaminated water and soil according to Local regulations.
5.4 PROTECTIVE EQUIPMENT
Fire-fighters should wear self contained breathing apparatus.

6 ACCIDENTAL RELEASE MEASURES
Avoid ignition sources.
6.1 PERSONAL PRECAUTIONS
Avoid direct contact with skin eyes and clothing.
Do not breathe vapour.
6.2 ENVIRONMENTAL PRECAUTIONS
Prevent contamination of soil drains and surface water.
6.3 CLEAN UP METHODS
Take up with absorbent inert material and place in a suitable and closable container for disposal. Wash the area clean with water and detergent.

7 HANDLING AND STORAGE
7.1 HANDLING
Ensure vapour formation and ignition sources.
Do not eat drink or smoke at work place.
7.2 STORAGE
In a cool well ventilated place in a securely closed original container.
Keep away from food and drink.
8  EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1  EXPOSURE CONTROL LIMITS

<table>
<thead>
<tr>
<th></th>
<th>LONG TERM (8 HOUR TWA)</th>
<th>SHORT TERM (10 MIN)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>ppm</td>
<td>mgm-3</td>
</tr>
<tr>
<td>Butylbenzyl phthalate</td>
<td>5 ppm</td>
<td>3 mgm-3</td>
</tr>
</tbody>
</table>

8.2  SPECIAL PROTECTIVE MEASURES

RESPIRATORY PROTECTION
In case of insufficient ventilation wear suitable ORI-NASAL respirator fitted with a combination of K1/P2 Type.

HAND PROTECTION
Impervious gloves with cotton liners.

EYE PROTECTION
Goggles or face protection.

SKIN PROTECTION
Wear overalls and closed footwear.

9 PHYSICAL AND CHEMICAL PROPERTIES

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>APPEARANCE:</strong></td>
<td>black semi pourable paste</td>
<td><strong>MELTING POINT:</strong></td>
</tr>
<tr>
<td><strong>ODOUR:</strong></td>
<td>of tar</td>
<td><strong>BOILING POINT:</strong></td>
</tr>
<tr>
<td><strong>DENSITY:</strong></td>
<td>1.35-1.45 g/cm³ ~ 25°C</td>
<td><strong>OXIDISING PROPERTIES:</strong></td>
</tr>
<tr>
<td><strong>FLASH POINT:</strong></td>
<td></td>
<td><strong>VAPOUR PRESSURE:</strong></td>
</tr>
</tbody>
</table>
| **IGNITION:**          |                        | **FLAMMABILITY:**     | Will burn in fire situation
| **SOLUBILITY IN WATER:**| insoluble pH-VALUE     |                        |
10  STABILITY AND REACTIVITY – Stable at ambient temperature

10.1 THERMAL DECOMPOSITION

10.2 CONDITIONS TO AVOID
   Ignition sources.
   Prolonged storage at temperatures above 50°C do not store in direct sunlight.

10.3 MATERIALS TO AVOID
   Strong acids and strong oxidising agents.

10.4 HAZARDOUS DECOMPOSITION PRODUCTS
   Thermal decomposition or burning may release oxides of carbon and other hazardous gases or vapours.

11  TOXICOLOGICAL INFORMATION

11.1 LD 50 (RATS - ORAL TOXICITY)

11.2 SKIN IRRITATION (RABBITS)

11.3 EYE IRRITATION (RABBITS)

11.4 SKIN SENSITIZATION
   Long term exposure to high concentrations of vapour may result in damage to internal organs.

12  ECOLOGICAL INFORMATION

   Prevent contamination of soil drains or surface waters.

12.1 Butylbenzyl phthalate

12.2 AQUATIC TOXICITY
   Toxic to fish and algae.
   Readily biodegradable with half life of 2 days
   EC 50 DAPHNIA MAGNA (24h) - 3.7 mg/l
   LC 50 RAINBOW TROUT (96h) - 3.3 mg/l
13 DISPOSAL INFORMATION
13.1 DISPOSAL OF PRODUCT
According to Local regulations.
13.2 DISPOSAL OF PACKAGE
According to Local regulations.
Waste containers should bear original labelling

14 REGULATORY INFORMATION
14.1 CLASSIFICATION SYMBOL - T
14.2 CHEMICAL IDENTITY - EEC-NO
Polyalkylamine mixture containing product of coal tar origin and butylbenzyl phthalate.

14.3 RISK PHRASES

| R 21/22 | Harmful in contact with skin and if swallowed |
| R 45   | May cause cancer                                |
| R 46   | May cause heritable genetic                    |
| R 47   | May cause birth defects                        |
| R 36/38| Irritating to eyes and skin                    |

14.4 SAFETY PHRASES

| S53    | Avoid exposure - obtain special instructions before use |
| S26    | In case of contact with eyes rinse immediately with plenty of water and seek medical advice |
| S28    | After contact with skin wash immediately with plenty of soap and water |
| S 36/37/39 | Wear suitable protective clothing gloves and eye/face protection |
| S44    | If you feel unwell seek medical advice (show the label where possible) |
THE FOREGOING DATA IS FOR SAFETY INFORMATION ONLY AND DOES NOT FORM PART OF ANY SELLING SPECIFICATION.

THE INFORMATION IN THIS DATA SHEET IS TO THE BEST OF CM SEALANTS KNOWLEDGE CORRECT AT THE DATE OF PUBLICATION.

FOR ANY FURTHER INFORMATION PLEASE CONTACT THE SUPPLIERS.

CUSTOMERS SHOULD SATISFY THEMSELVES THAT THE PRODUCT WHICH THEY HAVE SELECTED IS ENTIRELY SUITABLE FOR THEIR PURPOSES UNDER THEIR CONDITIONS OF USE.
UK HEALTH & SAFETY AT WORK ACT 1974

PRODUCT SAFETY DATA SHEET
BRAND NAME : S-CS-SEALANT PACK B

1  PRODUCT AND COMPANY IDENTIFICATION
1.1  CHEMICAL NATURE
Preparation containing Diphenylmethane-4,4’-diisocyanate and Butyl benzyl phthalate
1.2  COMPANY – FIBRELITE COMPOSITES LTD ENGLAND
TEL NO: +44 (0)1756 799773

2  COMPOSITION/INFORMATION ON INGREDIENTS
2.1

<table>
<thead>
<tr>
<th>CAS NO</th>
<th>EEC NO</th>
<th>UN NO</th>
</tr>
</thead>
<tbody>
<tr>
<td>101-86-8</td>
<td>202-099-06</td>
<td>2489</td>
</tr>
<tr>
<td>85-68-7</td>
<td>3082</td>
<td></td>
</tr>
</tbody>
</table>

R-PHRASES: 36/37/38/42
Butylbenzyl phthalate 85-68-7 3082
EEC-SYMBOL R-PHRASES

3  HAZARD IDENTIFICATION/LABEL
3.1 Harmful by inhalation/Xn
3.2 May cause sensitisation by inhalation.
3.3 Irritating to eyes respiratory system and skin.
4  FIRST AID MEASURES

4.1  SKIN CONTACT
Remove contaminated clothing.
Wash affected area with plenty of soap and water.
Do not use solvents - Launder clothes before re-use.

4.2  EYE CONTACT
Rinse immediately with water for at least 15 minutes. Seek Medical attention.

4.3  INHALATION
Move affected person to fresh air. If recovery not rapid seek medical attention.

4.4  INGESTION
Only when conscious rinse mouth with plenty of water and give plenty of water to drink (approx 500 ml) Keep patient at rest and obtain medical attention.

DO NOT INDUCE VOMITING
In case of spontaneous vomiting be sure that vomit can freely drain because of the danger of suffocation.

IN ALL CASES OF DOUBT OR WHEN SYMPTOMS PERSIST ALWAYS SEEK MEDICAL ATTENTION

5  FIRE FIGHTING MEASURES

5.1  SUITABLE EXTINGUISHING MEDIA
Carbon dioxide, foam, Dry powder.

5.2  UNSUITABLE EXTINGUISHING MEDIA
High pressure water jet.

5.3  EXPOSURE HAZARDS
In case of fire possible formation of carbon monoxide nitrogen oxide and traces of hydrogen cyanide. Do not release contaminated water into drains soil or surface water.
Take measures to retain water used for extinguishing Dispose of contaminated water and soil according to Local regulations.

5.4  PROTECTIVE EQUIPMENT
Self contained breathing apparatus.
6  ACCIDENTAL RELEASE MEASURES
Avoid ignition sources.

6.1  PERSONAL PRECAUTIONS
Avoid direct contact with skin eyes and clothing. Do not breathe vapour.

6.2  ENVIRONMENTAL PRECAUTIONS
Prevent contamination of soil drains and surface water.

6.3  CLEAN UP METHODS
Take up with wet absorbent inert material and place in a suitable container.
DO NOT SEAL - Keep damp in a safe ventilated area for several days before closing container for disposal

7  HANDLING AND STORAGE

7.1  HANDLING
Ensure good ventilation and local exhaust.
Avoid vapour formation and ignition sources.
Do not eat drink or smoke at work place.

7.2  STORAGE
In the original container tightly closed and dry at room temperature.
Avoid direct sunlight.
Keep away from food and drink.

8  EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1  EXPOSURE CONTRO L LIMITS

<table>
<thead>
<tr>
<th>Long Term (8 Hour TWA)</th>
<th>Short Term (10 Min)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ppm</td>
<td>mgm-3</td>
</tr>
<tr>
<td>4,4',-diphenylmethane diisocyanate</td>
<td>0.02</td>
</tr>
<tr>
<td>Butylbenzyl phthalate</td>
<td>5</td>
</tr>
</tbody>
</table>

EXPOSURE CONTROL LIMITS
*Sen – capable of causing respiratory sensitisation.

8.2 SPECIAL PROTECTIVE MEASURES RESPIRATORY PROTECTION

Respiratory protection required in insufficiently ventilated working areas and during spraying an air-fed mask or for short periods of work a suitable ORI-NASAL respirator fitted with a combination filter of A2-P2 type is recommended.

HAND PROTECTION
Impervious gloves with cotton liners.

EYE PROTECTION
Goggles or face protection.

<table>
<thead>
<tr>
<th>APPEARANCE:</th>
<th>Low viscosity coffee brown liquid</th>
<th>MELTING POINT:</th>
</tr>
</thead>
<tbody>
<tr>
<td>ODOUR:</td>
<td>Aromatic</td>
<td>BOILING POINT:</td>
</tr>
<tr>
<td>DENSITY:</td>
<td>1.11-1.16</td>
<td>OXODISING PROPERTIES:</td>
</tr>
<tr>
<td>FLASH POINT:</td>
<td></td>
<td>VAPOUR PRESSURE:</td>
</tr>
<tr>
<td>IGNITION:</td>
<td></td>
<td>FLAMMABILITY:</td>
</tr>
<tr>
<td>SOLUBILITY IN WATER:</td>
<td>Insoluble</td>
<td>Non flammable - will burn in fire situation</td>
</tr>
<tr>
<td>pH-VALUE:</td>
<td></td>
<td>VISCOSITY:</td>
</tr>
</tbody>
</table>

SKIN PROTECTION
Wear overalls and closed footwear.

9 PHYSICAL AND CHEMICAL PROPERTIES
10 STABILITY AND REACTIVITY

10.1 THERMAL DECOMPOSITION
Thermal decomposition or burning may release oxides of carbon and nitrogen and toxic fumes of cyanide derivatives.

10.2 CONDITIONS TO AVOID
Prolonged storage at temperatures above 50°C.

10.3 MATERIALS TO AVOID
Water alcohols strong acids strong bases and strong oxidising agents as these can initiate uncontrolled polymerisation with evolution of heat and carbon dioxide with the risk of bursting closed containers owing to increase in pressure.

10.4 HAZARDOUS DECOMPOSITION PRODUCTS

<table>
<thead>
<tr>
<th></th>
<th>4,4’-diphenylmethane diisocyanate</th>
<th>Butyl benzyl phthalate</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD 50 (Rats - ORAL TOXICITY)</td>
<td>15000mg/kg</td>
<td>20400mg/kg</td>
</tr>
</tbody>
</table>

11 TOXICOLOGICAL INFORMATION

11.1 SKIN IRRITATION
RABBIT - 8 hour exposure - slight reddening
11.3 EYE IRRITATION
RABBIT - 8 hour exposure - moderate reddening and slight swelling

11.4 LD 50 (RATS - INHALATION)

12 ECOLOGICAL INFORMATION
Prevent contamination of soil drains or surface waters.
Reacts with water producing O2 and forming a solid insoluble product
12.1 Butyl benzyl phthalate - Marine pollutant.
12.2 AQUATIC TOXICITY
Toxic to fish and algae - half life 2 days
EC 50 DAPHNIA MAGNA (24h) - 3.7mg/l
LC 50 RAINBOW TROUT (96h) - 3.3mg/l

13 DISPOSAL INFORMATION
13.1 DISPOSAL OF PRODUCT
According to Local regulations.
13.2 DISPOSAL OF PACKAGING
Empty containers should be decontaminated prior to disposal by treating residues with 1% liquid detergent solution.
Fill the containers with detergent solution loosely cover and allow to stand in safe place for 48 hours. Dispose of neutralised residue and containers according to Local regulations.

14 REGULATORY INFORMATION
14. 1 CLASSIFICATION SYMBOL Xn
14.2 CHEMICAL IDENTITY EEC-NO
Diphenylmethane- 4 , 4 , -diisocyanate, Butyl benzyl phthalate mixture.

14.3 RISK PHRASES

<table>
<thead>
<tr>
<th>R20</th>
<th>Harmful by inhalation.</th>
</tr>
</thead>
<tbody>
<tr>
<td>R36/37/38</td>
<td>Irritating to eyes respiratory system and skin.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>S26</th>
<th>In case of contact with eyes rinse immediately with plenty of water and seek medical attention</th>
</tr>
</thead>
<tbody>
<tr>
<td>S28</td>
<td>After contact with skin wash immediately with plenty of soap and water and seek medical attention</td>
</tr>
<tr>
<td>S38</td>
<td>In case of insufficient ventilation wear suitable respiratory protection</td>
</tr>
<tr>
<td>S45</td>
<td>In case of accident or if you feel unwell seek medical advice immediately (show the label where possible)</td>
</tr>
</tbody>
</table>

14.4 SAFETY PHRASES

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