

**Soudaseal FC****1. Identification of the substance/preparation and the company**

- 1.1 Identification of the substance or preparation:**  
Productname: Soudaseal FC
- 1.2 Use of the substance or the preparation:**  
Adhesive
- 1.3 Company/undertaking identification:**  
SODAL N.V.  
Everdongenlaan 18-20  
B-2300 Turnhout  
Tel. : +32 14 42 42 31  
Fax : +32 14 44 39 71
- 1.4 Telephone number for emergency:**  
+32 14 58 45 45  
Brandweerinformatiecentrum voor gevaarlijke stoffen (B.I.G.)  
Technische Schoolstraat 43 A, B-2440 Geel

**2. Composition/information on ingredients**

| Hazardous ingredients                        | CAS No.<br>EINECS/ELINCS No | Conc. in<br>% | Hazard<br>symbol | Risks<br>(R-phrases)                                      |
|--|-----------------------------|---------------|------------------|---|
| bis(2,2,6,6-tetramethyl-4-piperidyl)sebacate | 52829-07-9<br>258-207-9     | 0.25 - <2.5   | Xi;N             | 36-51/53 (1)  |
| gas oil not specified                        | 64742-46-7<br>265-148-2     | 1 - <5        | Xn               | 65-66 (1)<br>(Labelling in<br>compliance with<br>CONCAWE) |
| trimethoxyvinylsilane                        | 2768-02-7<br>220-449-8      | 1 - <5        | Xn               | 10-20-65 (1)  |
| 3-(trimethoxysilyl)propylamine               | 13822-56-5<br>237-511-5     | 1 - <5        | Xi               | 36/38 (1)   |

(1) For R-phrases in full: see heading 16

**3. Hazards identification**

- No hazard classification according to directives 67/548/EEC and 1999/45/EC

# Soudaseal FC

## 4. First aid measures

- 4.1 Eye contact:**
- Rinse immediately with plenty of water
  - Seek medical advice
- 4.2 Skin contact:**
- Rinse immediately with plenty of water
  - If irritation persists: seek medical advice
- 4.3 After inhalation:**
- Remove the victim into fresh air
  - Seek medical advice
- 4.4 After ingestion:**
- Never give water to an unconscious person
  - Do not induce vomiting
  - Seek medical advice

## 5. Fire-fighting measures

- 5.1 Suitable extinguishing media:**
- Non combustible
  - Extinguishing media for surrounding fires: all extinguishing media allowed
- 5.2 Unsuitable extinguishing media:**
- None
- 5.3 Special exposure hazards:**
- Upon combustion CO and CO<sub>2</sub> are formed
- 5.4 Instructions:**
- No specific firefighting instructions required
- 5.5 Special protective equipment for firefighters:**
- Heat/fire exposure: compressed air/oxygen apparatus
  - Protective clothing for exposure to chemicals

## 6. Accidental release measures

- 6.1 Personal protection/precautions:**  
See headings 8.2/8.3/13
- 6.2 Environmental precautions:**
- Use appropriate containment to avoid environmental contamination
- 6.3 Methods of cleaning up:**
- Cover spill with inert material e.g.: sand, earth, vermiculite
  - Shovel solid spill into closing drums
  - Clean contaminated surfaces with an excess of water

## 7. Handling and storage

- 7.1 Handling:**
- Avoid prolonged and repeated contact with skin
- 7.2 Storage:**
- Keep container tightly closed
- |                                |   |                    |
|--------------------------------|---|--------------------|
| <b>Storage temperature</b>     | : | Room temperature   |
| <b>Quantity limits</b>         | : | N.D. <b>kg</b>     |
| <b>Storage life</b>            | : | 365 <b>days</b>    |
| <b>Materials for packaging</b> | : |                    |
| - suitable                     | : | synthetic material |
- 7.3 Specific uses:**
- See information supplied by the manufacturer

## 8. Exposure controls/Personal protection

### 8.1 Exposure limit values:

|                 |              |
|-----------------|--------------|
| TLV-TWA         | : not listed |
| TLV-STEL        | : not listed |
| TLV-Ceiling     | : not listed |
| OES-LTEL        | : not listed |
| OES-STEL        | : not listed |
| MAK             | : not listed |
| TRK             | : not listed |
| MAC-TGG 8 h     | : not listed |
| MAC-TGG 15 min. | : not listed |
| MAC-Ceiling     | : not listed |
| VME-8 h         | : not listed |
| VLE-15 min.     | : not listed |
| GWBB-8 h        | : not listed |
| GWK-15 min.     | : not listed |
| Momentary value | : not listed |
| EC              | : not listed |
| EC-STEL         | : not listed |

### 8.2 Exposure controls:

#### 8.2.1 Occupational exposure controls:

- Use only in well ventilated area

#### 8.2.2 Environmental exposure controls: see heading 13

### 8.3 Personal protection:

#### 8.3.1 respiratory protection:

- Respiratory protection not required for normal conditions of use

#### 8.3.2 hand protection:

- Chemically resistant gloves

#### 8.3.3 eye protection:

- Safety glasses

#### 8.3.4 skin protection:

- Suitable protective clothing

## 9. Physical and chemical properties

### 9.1 General information:

Appearance (at 20°C) : Paste  
Odour : Characteristic  
Colour : Variable in colour

### 9.2 Important health, safety and environmental information:

pH value : N.D.  
Boiling point/boiling range : N.D. °C  
Flashpoint : N.A. °C  
Explosion limits : N.D. Vol%  
Vapour pressure (at 20°C) : N.D. hPa  
Vapour pressure (at 50°C) : N.D. hPa  
Relative density (at 20°C) : 1.5  
Water solubility : Insoluble  
Soluble in : No data available  
Relative vapour density : N.D.  
Viscosity (at 20°C) : N.D. Pa.s  
Partition coefficient n-octanol/water : N.D.  
Evaporation rate  
ratio to butyl acetate : N.D.  
ratio to ether : N.D.

### 9.3 Other information:

Melting point/melting range : N.D. °C  
Auto-ignition point : N.D. °C  
Saturation concentration : N.D. g/m<sup>3</sup>

## 10. Stability and reactivity

### 10.1 Conditions to avoid/reactivity:

- Stable under normal conditions

### 10.2 Materials to avoid:

- None

### 10.3 Hazardous decomposition products:

- Upon combustion CO and CO<sub>2</sub> are formed and small quantities of nitrous vapours, hydrogen chloride and sulphur oxides

## 11. Toxicological information

### 11.1 Acute toxicity:

bis(2,2,6,6-TETRAMETHYL-4-PIPERIDYL)SEBACATE:

|                     |        |          |
|---------------------|--------|----------|
| LD50 oral rat       | : 3700 | mg/kg    |
| LD50 dermal rabbit  | : N.D. | mg/kg    |
| LD50 dermal rabbit  | : N.D. | mg/kg    |
| LC50 inhalation rat | : N.D. | mg/l/4 h |
| LC50 inhalation rat | : N.D. | ppm/4 h  |

TRIMETHOXYVINYL SILANE:

|                     |        |          |
|---------------------|--------|----------|
| LD50 oral rat       | : 7120 | mg/kg    |
| LD50 dermal rabbit  | : N.D. | mg/kg    |
| LD50 dermal rabbit  | : 3434 | mg/kg    |
| LC50 inhalation rat | : 16   | mg/l/4 h |
| LC50 inhalation rat | : 2714 | ppm/4 h  |

3-(TRIMETHOXSILYL)PROPYLAMINE:

|                     |         |          |
|---------------------|---------|----------|
| LD50 oral rat       | : N.D.  | mg/kg    |
| LD50 dermal rabbit  | : N.D.  | mg/kg    |
| LD50 dermal rabbit  | : 11400 | mg/kg    |
| LC50 inhalation rat | : N.D.  | mg/l/4 h |
| LC50 inhalation rat | : N.D.  | ppm/4 h  |

### 11.2 Chronic toxicity:

EC carc. cat. : not listed  
EC muta. cat. : not listed  
EC repr. cat. : not listed

Carcinogenicity (TLV) : not listed  
Carcinogenicity (MAC) : not listed  
Carcinogenicity (VME) : not listed  
Carcinogenicity (GWBB) : not listed

Carcinogenicity (MAK) : not listed  
Mutagenicity (MAK) : not listed  
Teratogenicity (MAK) : not listed

IARC classification : not listed

11.3 Routes of exposure: ingestion, inhalation, eye and skin

### 11.4 Acute effects/symptoms:

- Unlikely to cause harmful effects

### 11.5 Chronic effects:

- Not listed in carcinogenicity class (IARC, EC, TLV, MAK)  
- Not listed in mutagenicity class (EC, MAK)  
- Not classified as toxic to reproduction (EC)  
- Unlikely to cause harmful effects

## 12. Ecological information

### 12.1 Ecotoxicity:

#### bis(2,2,6,6-TETRAMETHYL-4-PIPERIDYL)SEBACATE:

- LC50 (96 h) : 4.4 mg/l (BRACHYDANIO RERIO)
- EC50 (24 h) : 17 mg/l (DAPHNIA sp.)
- EC50 : 1.9 mg/l (ALGAE)

#### TRIMETHOXYVINYL-SILANE:

- LC50 (96 h) : >= 100 mg/l (BRACHYDANIO RERIO)
- EC50 (48 h) : 168.7 mg/l (DAPHNIA MAGNA)

### 12.2 Mobility:

- Volatile organic compounds (VOC): 4%
- Insoluble in water  
Substance sinks in water

For other physicochemical properties see section 9

### 12.3 Persistence and degradability:

- |                                   |   |                   |        |
|-----------------------------------|---|-------------------|--------|
| - Biodegradation BOD <sub>5</sub> | : | N.D.              | % ThOD |
| - Water                           | : | No data available |        |
| - Soil                            | : | T ½ N.D.          | days   |

### 12.4 Bioaccumulative potential:

- log P<sub>ow</sub> : N.D.
- BCF : N.D.

### 12.5 Other adverse effects:

- WGK : 1 (Classification based on the components in compliance with Verwaltungsvorschrift wassergefährdender Stoffe (VwVwS) of 17 May 1999)
- Effect on the ozone layer : Not dangerous for the ozone layer (1999/45/EC)
- Greenhouse effect : No data available
- Effect on waste water purification : No data available

## 13. Disposal considerations

### 13.1 Provisions relating to waste:

- Waste material code (75/442/EEC, Council Decision 2001/118/EC, O.J. L47 of 16/2/2001): 08 04 10 (waste adhesives and sealants other than those mentioned in 08 04 09)

### 13.2 Disposal methods:

- Remove to an authorized waste treatment plant
- Do not discharge into drains or the environment

### 13.3 Packaging:

- Waste material code packaging (75/442/EEC, Council Decision 2001/118/EC, O.J. L47 of 16/2/2001): 15 01 02 (plastic packaging)

**14. Transport information**

14.1 Classification of the substance in compliance with UN Recommendations

UN number : -  
 CLASS : NOT SUBJECT  
 SUB RISKS :  
 PACKING :  
 PROPER SHIPPING NAME :

14.2 ADR (transport by road)

CLASS : NOT SUBJECT  
 PACKING :  
 CLASSIFICATION CODE :  
 DANGER LABEL TANKS :  
 DANGER LABEL PACKAGES :

14.3 RID (transport by rail)

CLASS : NOT SUBJECT  
 PACKING :  
 CLASSIFICATION CODE :  
 DANGER LABEL TANKS :  
 DANGER LABEL PACKAGES :

14.4 ADNR (transport by inland waterways)

CLASS : NOT SUBJECT  
 PACKING :  
 CLASSIFICATION CODE :  
 DANGER LABEL TANKS :  
 DANGER LABEL PACKAGES :

14.5 IMDG (maritime transport)

CLASS : NOT SUBJECT  
 SUB RISKS :  
 PACKING :  
 MFIG :  
 EMS :  
 MARINE POLLUTANT :

14.6 ICAO (air transport)

CLASS : NOT SUBJECT  
 SUB RISKS :  
 PACKING :  
 PACKING INSTRUCTIONS PASSENGER AIRCRAFT :  
 PACKING INSTRUCTIONS CARGO AIRCRAFT :

14.7 Special precautions in connection with transport

: Not restricted for any mode of international transport

**15. Regulatory information**

Labelling in accordance with directives 67/548/EEC and 1999/45/EC

NOT REQUIRED ACCORDING TO AVAILABLE INFORMATION

## 16. Other information

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

**N.A.** = NOT APPLICABLE  
**N.D.** = NOT DETERMINED  
**(\*)** = INTERNAL CLASSIFICATION (NFPA)

### Exposure limits:

**TLV** : Threshold Limit Value - ACGIH US 2003  
**OES** : Occupational Exposure Standards - United Kingdom 2003  
**MEL** : Maximum Exposure Limits - United Kingdom 2003  
**MAK** : Maximale Arbeitsplatzkonzentrationen - Germany 2002  
**TRK** : Technische Richtkonzentrationen - Germany 2002  
**MAC** : Maximale aanvaarde concentratie - the Netherlands 2003  
**VME** : Valeurs limites de Moyenne d'Exposition - France 1999  
**VLE** : Valeurs limites d'Exposition à court terme - France 1999  
**GWBB** : Grenswaarde beroepsmatige blootstelling - Belgium 2002  
**GWK** : Grenswaarde kortstondige blootstelling - Belgium 2002  
**EC** : Indicative occupational exposure limit values - directive 2000/39/EC

**I** : Inhalable fraction = **T** : Total dust = **E** : Einatembarer Aerosolanteil  
**R** : Respirable fraction = **A** : Alveolengängiger Aerosolanteil/Alveolar dust  
**C** : Ceiling limit

|                     |          |                              |            |
|---------------------|----------|------------------------------|------------|
| <b>a:</b> aerosol   |          | <b>r:</b> rook/Rauch         | (fume)     |
| <b>d:</b> damp      | (vapour) | <b>st:</b> stof/Staub        | (dust)     |
| <b>du:</b> dust     |          | <b>ve:</b> vezel             | (fibre)    |
| <b>fa:</b> Faser    | (fibre)  | <b>va:</b> vapour            |            |
| <b>fi:</b> fibre    |          | <b>om:</b> oil mist          |            |
| <b>fu:</b> fume     |          | <b>on:</b> olienevel/Ölnebel | (oil mist) |
| <b>p:</b> poussière | (dust)   | <b>part:</b> particles       |            |

### Chronic toxicity:

**K** : List of the carcinogenic substances and processes - The Netherlands 2003

### Full text of any R-phrases referred to under heading 2:

R10 : Flammable  
R20 : Harmful by inhalation  
R36 : Irritant to the eyes  
R36/38 : Irritating to eyes and skin  
R51/53 : Toxic to aquatic organisms; may cause long-term adverse effects in the aquatic environment  
R65 : Harmful: may cause lung damage if swallowed  
R66 : Repeated exposure may cause skin dryness or cracking