

## FIX ALL

**1. Identification of the substance/preparation and of the company/undertaking****1.1 Identification of the substance or preparation:**

- Not applicable

**1.2 Use of the substance or the preparation:**

Sealant

**1.3 Company/undertaking identification:**

SOUDAL 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. EINECS/ELINCS No.	Conc. in %	Hazard symbol	Risks (R-phrases)
bis(2,2,6,6-tetramethyl-4-piperidyl)sebacate	52829-07-9 258-207-9	0.1 - 1.0	Xi;N	36-51/53 (1)
trimethoxyvinylsilane	2768-02-7 220-449-8	1 - 20	Xn	10-20-65 (1)
dibutylbis(pentane-2,4-dionato-O,O')tin	22673-19-4 245-152-0	0.1 - 1.0	Xn;N	36/38-48/22-51/53 (1)

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

**3. Hazards identification**

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

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## 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:**
- Polyvalent foam
  - Dry chemical powder
  - Carbon dioxide
- 5.2 Unsuitable extinguishing media:**
- None
- 5.3 Special exposure hazards:**
- Not easily combustible
  - On burning: release of carbon monoxide and carbon dioxide
- 5.4 Instructions:**
- No specific firefighting instructions required
- 5.5 Special protective equipment for firefighters:**
- Heat/fire exposure: compressed air/oxygen apparatus

## 6. Accidental release measures

- 6.1 Personal protection/precautions:** See headings 8.1/8.3/10.3
- 6.2 Environmental precautions:**
- Use appropriate containment to avoid environmental contamination
- 6.3 Methods of cleaning up:**
- Cover the solid spill with sand/kieselguhr
  - Scoop solid spill into closing containers
  - Clean contaminated surfaces with an excess of water

## 7. Handling and storage

### 7.1 Handling:

- Observe normal hygiene standards

### 7.2 Storage:

- Keep container tightly closed
- Store in a dry area

Storage temperature : room temperature  
Quantity limit : N.D. kg  
Storage life : 365 days  
Materials for packaging :  
- suitable : plastics

### 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  
MEL-LTEL : not listed  
MEL-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

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### 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:

- In case of insufficient ventilation: respiratory protection with filter type A

#### 8.3.2 hand protection:

- 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	: Almost odourless
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.D.	°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)	: 1.7	
Water solubility	: Insoluble	
Soluble in	: Organic solvents	
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:

- On burning: release of carbon monoxide, carbon dioxide and formation of small quantities of hydrogen chloride and nitrous vapours

**11. Toxicological information**

**11.1 Acute toxicity:**

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

LD50 oral rat	: 3700	mg/kg
LD50 dermal rat	: > 2000	mg/kg
LD50 dermal rabbit	: > 3100	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 rat	: 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

**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:**  
 - 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 (72 h) : 1.9 mg/l (SCENEDESMUS SUBSPICATUS)

#### 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): 2 %
- 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:

- No data available

### 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)

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## 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 :  
DANGER LABEL TANKS :  
DANGER LABEL PACKAGES :
- 14.3 RID (transport by rail)  
CLASS : NOT SUBJECT  
PACKING :  
DANGER LABEL TANKS :  
DANGER LABEL PACKAGES :
- 14.4 ADNR (transport by inland waterways)  
CLASS : NOT SUBJECT  
PACKING :  
DANGER LABEL TANKS :  
DANGER LABEL PACKAGES :
- 14.5 IMDG (maritime transport)  
CLASS : NOT SUBJECT  
SUB RISKS :  
PACKING :  
MFAG :  
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 EC directives 67/548/EEC and 1999/45/EC

LABELLING 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

### Exposure limits:

**TLV** : Threshold Limit Value - ACGIH US 2004  
**OES** : Occupational Exposure Standards - United Kingdom 2004  
**MEL** : Maximum Exposure Limits - United Kingdom 1999  
**MAK** : Maximale Arbeitsplatzkonzentrationen - Germany 2001  
**TRK** : Technische Richtkonzentrationen - Germany 2001  
**MAC** : Maximale aanvaarde concentratie - the Netherlands 2004  
**VME** : Valeurs limites de Moyenne d'Exposition - France 1999  
**VLE** : Valeurs limites d'Exposition à court terme - France 1999  
**GWBB** : Grenswaarde beroepsmatige blootstelling - Belgium 1998  
**GWK** : Grenswaarde kortstondige blootstelling - Belgium 1998  
**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 2002

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

R10 : Flammable  
R20 : Harmful by inhalation  
R36 : Irritating to eyes  
R36/38 : Irritating to eyes and skin  
48/22 : Harmful: danger of serious damage to health by prolonged exposure if swallowed  
R51/53 : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment  
R65 : Harmful: may cause lung damage if swallowed