

**Soudal SMX506****1. Identification of the substance/preparation and of the company/undertaking****1.1 Identification of the substance or preparation:**

Productname : Soudal SMX506

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

- Sealant

**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  
e-mail address: msds@soudal.com**1.4 Emergency telephone:**+32 14 58 45 45 (24/24 h)  
Brandweerinformatiecentrum voor Gevaarlijke Stoffen (BIG)  
Technische Schoolstraat 43 A, B-2440 Geel**2. Hazards identification**

Not classified as dangerous in compliance with Directive 67/548/EEC and/or Directive 1999/45/EC

**3. Composition/information on ingredients**

Hazardous ingredients	CAS No.	Conc. (%)	Hazards (R-phrases)	Hazard symbol
	EINECS/ELINCS No.			
bis(2,2,6,6-tetramethyl-4-piperidyl)sebacate	52829-07-9 258-207-9	0.1 - <2.5	36-51/53 (1)	Xi;N
trimethoxyvinylsilane	2768-02-7 220-449-8	1 - <10	10-20 (1)	Xn

(1) For R-phrases in full: see heading 16  
(2) Substance with a Community workplace exposure limit  
(3) PBT-substance

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## 4. First aid measures

- 4.1 **After inhalation:**
  - Remove the victim into fresh air
  - Respiratory problems: consult a doctor/medical service
- 4.2 **Skin contact:**
  - Rinse with water
  - Take victim to a doctor if irritation persists
- 4.3 **Eye contact:**
  - Rinse with water
  - Take victim to an ophthalmologist if irritation persists
- 4.4 **After ingestion:**
  - Rinse mouth with water
  - If you feel unwell: consult a doctor/medical service

## 5. Fire-fighting measures

- 5.1 **Suitable extinguishing media:**
  - Water spray
  - Polyvalent foam
  - ABC powder
  - Carbon dioxide
- 5.2 **Unsuitable extinguishing media:**
  - No data available
- 5.3 **Special exposure hazards:**
  - No data available
- 5.4 **Instructions:**
  - No specific fire-fighting instructions required
- 5.5 **Special protective equipment for firefighters:**
  - Heat/fire exposure: self-contained breathing apparatus
  - Protective clothing

## 6. Accidental release measures

- 6.1 **Personal precautions:**
  - See heading 8.2
- 6.2 **Environmental precautions:**
  - Use appropriate containment to avoid environmental contamination
  - See heading 13
- 6.3 **Methods for cleaning up:**
  - Shovel solid spill into closing drums
  - Clean contaminated surfaces with a soap solution

## 7. Handling and storage

### 7.1 Handling:

- Observe normal hygiene standards

### 7.2 Storage:

- Keep container tightly closed
- Store in a dry area
  
- Keep away from: water/moist

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

### 7.3 Specific use(s):

- See information supplied by the manufacturer for the identified use(s)

## 8. Exposure controls/Personal protection

### 8.1 Exposure limit values:

#### 8.1.1 Occupational exposure:

TLV-TWA	:	not listed
TLV-STEL	:	not listed
TLV-Ceiling	:	not listed
WEL-LTEL	:	not listed
WEL-STEL	:	not listed
TRGS 900	:	not listed
MAK	:	not listed
GWBNL-TGG 8 h	:	not listed
GWKNL-TGG 15 min.	:	not listed
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

#### 8.1.2 Sampling methods:

- No data available

## 8.2 Exposure controls:

### 8.2.1 Occupational exposure controls:

- No data available

#### Personal protective equipment:

##### a) Respiratory protection:

- Respiratory protection not required in normal conditions

##### b) Hand protection:

- Gloves

##### c) Eye protection:

- Safety glasses

##### d) Skin protection:

- Protective clothing

8.2.2 Environmental exposure controls: see headings 6.2, 6.3 and 13

## 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 (at %)	: N.D.	
Boiling point/boiling range	: N.D.	°C
Flashpoint/flammability	: > 240	°C
Explosion limits (explosive properties)	: N.D.	vol%
Oxidising properties	: N.D.	
Vapour pressure (at 20°C)	: N.D.	hPa
Vapour pressure (at 50°C)	: N.D.	hPa
Relative density (at 20°C)	: 1.4	
Water solubility	: Insoluble	
Soluble in	: Organic solvents	
Relative vapour density	: N.D.	
Viscosity (at °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>
Specific conductivity	: N.D.	pS/m

## 10. Stability and reactivity

### 10.1 Conditions to avoid:

- Stable under normal conditions

### 10.2 Materials to avoid:

- Keep away from: water/moist

### 10.3 Hazardous decomposition products:

- Upon combustion CO and CO<sub>2</sub> are formed

## 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	: > 2000	mg/kg
LD50 dermal rabbit	: > 3100	mg/kg

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

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

### 11.4 Acute effects/symptoms:

**AFTER EYE CONTACT:**  
- Redness of the eye tissue

**AFTER INGESTION:**  
**AFTER ABSORPTION OF HIGH QUANTITIES:**  
- Gastrointestinal complaints

### 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)

## 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 MAGNA)
- 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)

- **Effect on waste water purification** : No data available

### 12.2 Mobility:

- **Volatile organic compounds (VOC):** 2%
- **Volatile organic compounds (VOC):** 30 g/l
- Insoluble in water
- Substance sinks in water

For other physicochemical properties see heading 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.
- Contains not readily biodegradable component(s)

### 12.5 Results of PBT assessment:

- Not applicable, on the basis of the available data.

### 12.6 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

## 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:

- Recycle/reuse
- Remove to an authorized dump (Class II)
- 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 GROUP :
  
- 14.2 ADR (transport by road)
  - CLASS : Not subject
  - PACKING GROUP :
  - CLASSIFICATION CODE :
  - DANGER LABEL TANKS :
  - DANGER LABEL PACKAGES :
  - PROPER SHIPPING NAME :
  
- 14.3 RID (transport by rail)
  - CLASS : Not subject
  - PACKING GROUP :
  - CLASSIFICATION CODE :
  - DANGER LABEL TANKS :
  - DANGER LABEL PACKAGES :
  - PROPER SHIPPING NAME :
  
- 14.4 ADNR (transport by inland waterways)
  - CLASS : Not subject
  - PACKING GROUP :
  - CLASSIFICATION CODE :
  - DANGER LABEL TANKS :
  - DANGER LABEL PACKAGES :
  
- 14.5 IMDG (maritime transport)
  - CLASS : Not subject
  - SUB RISKS :
  - PACKING GROUP :
  - MFAG :
  - EMS :
  - MARINE POLLUTANT :
  
- 14.6 ICAO (air transport)
  - CLASS : Not subject
  - SUB RISKS :
  - PACKING GROUP :
  - PACKING INSTRUCTIONS PASSENGER AIRCRAFT :
  - PACKING INSTRUCTIONS CARGO AIRCRAFT :
  
- 14.7 Special precautions : Not restricted for any mode of international transport

**15. Regulatory information**

- 15.1 EU Legislation:
  - Not classified as dangerous in compliance with Directive 67/548/EEC and/or Directive 1999/45/EC

LABELLING NOT REQUIRED ACCORDING TO AVAILABLE INFORMATION

## 15.2 National provisions:

### the Netherlands:

Waterbezwaarlijkheid: N.D.

### Germany:

WGK : 1 (Classification based on the components in compliance with Verwaltungsvorschrift wassergefährdender Stoffe (VwVwS) of 17 May 1999)

## 16. Other information

The information provided on this SDS 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)

**PBT-substances** = persistent, bioaccumulative and toxic substances

### Exposure limits:

TLV : Threshold Limit Value - ACGIH USA  
 WEL : Workplace Exposure Limits - United Kingdom  
 TRGS 900 : Technische Regel für Gefahrstoffe 900 (Arbeitsplatzgrenzwerte) - Germany  
 MAK : Maximale Arbeitsplatzkonzentrationen - Germany  
 GWBNL : Grenswaarde voor blootstelling - the Netherlands  
 GWKNL : Grenswaarde korte duur - the Netherlands  
 VME : Valeurs limites de Moyenne d'Exposition - France  
 VLE : Valeurs limites d'Exposition à court terme - France  
 GWBB : Grenswaarde beroepsmatige blootstelling - Belgium  
 GWK : Grenswaarde kortstondige blootstelling - Belgium  
 EC : Indicative occupational exposure limit values

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

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

### Chronic toxicity:

K : List of the carcinogenic substances and processes - the Netherlands

### Full text of any R-phrases referred to under headings 2 and 3:

R10 : Flammable  
 R20 : Harmful by inhalation  
 R36 : Irritating to eyes  
 R51/53 : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment