

Soudal Fix All**1. Identification of the substance/preparation and of the company/undertaking**

- 1.1 Identification of the substance or preparation:**
- Soudal Fix All
- 1.2 Use of the substance or the preparation:**
Sealant
- 1.3 Company/undertaking identification:**
SOUDAL N.V.
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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 ³ |

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 BOD₅ : N.D. % ThOD
- water : No data available
- soil : T ½ N.D. days

12.4 Bioaccumulative potential:

- log P_{ow} : 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** : Einatembare 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 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