

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

- 1.1 Identification of the substance or preparation:**
- Soudaseal FR
- 1.2 Use of the substance or the 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
- 1.4 Telephone number for emergency:**
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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)
diisodecylphthalate	26761-40-0 247-977-1	1 - <10	-	-
bis(2,2,6,6-tetramethyl-4-piperidyl)sebacate	52829-07-9 258-207-9	0.1 - <2.5	Xi;N	36-51/53 (1)
(N-phenylaminomethyl)methyl-dimethoxysilane	17890-10-7 -	0.25 - <2.5	Xn;N	48/22-51/53 (1)
3-(trimethoxysilyl)propylamine	13822-56-5 237-511-5	1 - <10	Xi	36/38 (1)
dibutyltin diacetate	1067-33-0 213-928-8	0.1 - <2.5	T;N	25-36/38-50 (1)

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

3. Hazards identification

- Harmful to aquatic organisms; may cause long-term adverse effects in the aquatic environment

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Reference number : BIG\40519GB
Reason for revision : See 12.2

Revision date : 01-06-2006
Revision number : 002

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
- 5.2 Unsuitable extinguishing media:**
- None
- 5.3 Special exposure hazards:**
- On burning: release of corrosive gases/vapours: phosphorus oxides, hydrogen chloride, carbon monoxide and carbon dioxide
- 5.4 Instructions:**
- Dilute toxic gases with water spray
 - Take account of environmentally hazardous firefighting water
 - Use firefighting water moderately and contain it
- 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:**
- Shovel solid
 - Carefully collect the spill/leftovers
 - Wash clothing and equipment after handling

7. Handling and storage

7.1 Handling:

- Observe normal hygiene standards
- Do not discharge the waste into the drain

7.2 Storage:

- Keep container tightly closed
- Keep away from: heat sources

Storage temperature : Room temperature
Quantity limits : N.D. kg
Storage life : 365 days
Materials for packaging :
 - suitable : polyethylene

7.3 Specific uses:

- See information supplied by the manufacturer

8. Exposure controls/Personal protection

8.1 Exposure limit values:

DIISODECYLPHTHALATE

TLV-TWA	:	mg/m ³		ppm
TLV-STEL	:	mg/m ³		ppm
TLV-Ceiling	:	mg/m ³		ppm
OES-LTEL	:	5	mg/m ³	ppm
OES-STEL	:	-	mg/m ³	ppm
MAK	:		mg/m ³	ppm
TRK	:		mg/m ³	ppm
MAC-TGG 8 h	:	5 R/10 I	mg/m ³	
MAC-TGG 15 min.	:		mg/m ³	
MAC-Ceiling	:		mg/m ³	
VME-8 h	:		mg/m ³	ppm
VLE-15 min.	:		mg/m ³	ppm
GWBB-8 h	:		mg/m ³	ppm
GWK-15 min.	:		mg/m ³	ppm
Momentary value	:		mg/m ³	ppm
EC	:		mg/m ³	ppm
EC-STEL	:		mg/m ³	ppm

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.A.	Vol%
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	: 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 ³

10. Stability and reactivity

10.1 Conditions to avoid/reactivity:

- Stable under normal conditions

10.2 Materials to avoid:

- Keep away from: heat sources

10.3 Hazardous decomposition products:

- On burning: release of corrosive gases/vapours: phosphorus oxides, hydrogen chloride, carbon monoxide, carbon dioxide and formation of small quantities of nitrous vapours

11. Toxicological information

11.1 Acute toxicity:

DIISODECYLPHTHALATE:

LD50 oral rat	: > 10000	mg/kg
LD50 dermal rabbit	: N.D.	mg/kg
LD50 dermal rabbit	: > 3160	mg/kg
LC50 inhalation rat	: N.D.	mg/l/4 h
LC50 inhalation rat	: N.D.	ppm/4 h

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

3-(TRIMETHOXYSILYL)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

DIBUTYLTIN DIACETATE:

LD50 oral rat	: 32	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

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

11.4 Acute effects/symptoms:

AFTER SKIN CONTACT:
- Slight irritation

AFTER EYE CONTACT:
- Slight irritation

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 sp.)
- EC50 : 1.9 mg/l (ALGAE)

12.2 Mobility:

- Volatile organic compounds (VOC): 19%
- 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 : 2 (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 (91/689/EEC, Council Decision 2001/118/EC, O.J. L47 of 16/2/2001): 08 04 09* (waste adhesives and sealants containing organic solvents or other dangerous substances)
- Hazardous waste (91/689/EEC)

13.2 Disposal methods:

- Remove to an authorized dump
- Dissolve or mix with a combustible solvent
- Remove to an authorized incinerator equipped with an afterburner and a flue gas scrubber
- Do not discharge into drains or the environment

13.3 Packaging:

- Waste material code packaging (91/689/EEC, Council Decision 2001/118/EC, O.J. L47 of 16/2/2001): 15 01 10* (packaging containing residues of or contaminated by dangerous substances)

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 :
 MFG :
 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

R52/53 : Harmful to aquatic organisms; may cause long-term adverse effects in the aquatic environment

S61 : Avoid release to the environment. Refer to special instructions/safety data sheets.

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

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 2003

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

R25 : Toxic if swallowed
R36 : Irritant to the eyes
R36/38 : Irritating to eyes and skin
R22/48 : Harmful: danger of serious damage to health by prolonged exposure if swallowed
R50 : Highly toxic to aquatic organisms
R51/53 : Toxic to aquatic organisms; may cause long-term adverse effects in the aquatic environment