

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

Productname : Soudal Polyfiber Grey

1.2 Use of the substance/preparation:

Sealant

1.3 Company/undertaking identification:

SODAL N.V.
Everdongenlaan 18-20
B-2300 Turnhout
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Fax: +32 14 44 39 71
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1.4 Emergency telephone:

+32 14 58 45 45 (24/24 h)
Brandweerinformatiecentrum voor Gevaarlijke Stoffen (BIG)
Technische Schoolstraat 43 A, B-2440 Geel, Belgium

2. Hazards identification

- Flammable

3. Composition/information on ingredients

Hazardous ingredients	CAS No. EINECS/ELINCS No.	Conc. (%)	Hazards (R-phrases)	Hazard symbol
styrene	100-42-5 202-851-5	1 - <12.5	10-20-36/38 (1)(2)	Xn
talc	14807-96-6 238-877-9	>25	- (2)	-
dolomite	16389-88-1 240-440-2	>15	- (2)	-

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

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Reason for revision : See 14.7

4. First aid measures

- 4.1 After inhalation:**
- Remove the victim into fresh air
 - Respiratory difficulties: consult a doctor/medical service
- 4.2 Skin contact:**
- Rinse with water
 - Soap may be used
 - 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:**
- Polyvalent foam
 - ABC powder
 - Carbon dioxide
- 5.2 Unsuitable extinguishing media:**
- No data available
- 5.3 Special exposure hazards:**
- Gas/vapour flammable with air within explosion limits
 - Upon combustion CO and CO₂ are formed
- 5.4 Instructions:**
- No specific fire-fighting instructions required
- 5.5 Special protective equipment for firefighters:**
- Heat/fire exposure: compressed air/oxygen 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:**
- Take up liquid spill into inert absorbent material
 - Shovel absorbed substance in closing drums
 - Carefully collect the spill/leftovers
 - Take collected spill to manufacturer/competent authority
 - Clean contaminated surfaces with an excess of water
 - Wash clothing and equipment after handling

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7. Handling and storage

7.1 Handling:

- Observe normal hygiene standards
- Do not discharge the waste into the drain
- IN CASE OF INSUFFICIENT VENTILATION:
Use spark-/explosionproof appliances and lighting system
Take precautionary measures against static discharges

7.2 Storage:

- Keep container tightly closed
- Keep out of direct sunlight
- Store in a dry area

- Keep away from: heat sources, ignition sources

Storage temperature : Room temperature
Quantity limit : N.D. kg
Storage life : N.D. days
Materials for packaging :
- suitable : tin

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:

STYRENE:

TLV-TWA	:	mg/m ³	20	ppm
TLV-STEL	:	mg/m ³	40	ppm
WEL-LTEL	:	430 mg/m ³	100	ppm
WEL-STEL	:	1080 mg/m ³	250	ppm
TRGS 900	:	86 mg/m ³	20	ppm
MAK	:	86 mg/m ³	20	ppm
GWBNL-TGG 8 h	:	107 mg/m ³	(indicatief)	
VME-8 h	:	215 mg/m ³	50	ppm
VLE-15 min.	:	- mg/m ³	-	ppm
GWBB-8 h	:	216 mg/m ³	50	ppm
GWK-15 min.	:	432 mg/m ³	100	ppm

TALC:

TLV-TWA	:	(2 R) mg/m ³		ppm
TLV-STEL	:	(-) mg/m ³		ppm
WEL-LTEL	:	1 R mg/m ³	-	ppm
WEL-STEL	:	- mg/m ³	-	ppm
MAK	:	- mg/m ³	-	ppm
GWBNL-TGG 8 h	:	0,25 R mg/m ³	(wettelijk)	
GWKNL-TGG 15 min.	:	mg/m ³		
Ceiling	:	mg/m ³		
VME-8 h	:	mg/m ³		ppm
VLE-15 min.	:	mg/m ³		ppm
GWBB-8 h	:	2 R mg/m ³	-	ppm
GWK-15 min.	:	- mg/m ³	-	ppm

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DOLOMITE:

TLV-TWA	: 3 R/10 I	mg/m ³	ppm
TLV-STEL	: -	mg/m ³	ppm
TLV-Ceiling	:	mg/m ³	ppm
WEL-LTEL	: 4 R/10 I	mg/m ³	- ppm
WEL-STEL	: -	mg/m ³	- ppm
TRGS 900	: 3 A/10 E	mg/m ³	ppm
MAK	: 1.5 A/4 E	mg/m ³	ppm
GWBNL-TGG 8 h	: 5 R/10 I	mg/m ³	(indicatief)
GWKNL-TGG 15 min.	: -	mg/m ³	-
Ceiling	:	mg/m ³	-
VME-8 h	: 5 A/10 T	mg/m ³	- ppm
VLE-15 min.	: -	mg/m ³	- ppm
GWBB-8 h	: 3 R/10 I	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

8.1.2 Sampling methods:

- | | |
|---|------------|
| - Styrene | OSHA 89 |
| - Calcium & Cpds (as Ca) | NIOSH 7020 |
| - Styrene | NON 37 |
| - Styrene | OSHA 9 |
| - Styrene (Phenylethylene) (Hydrocarbons, aromatic) | NIOSH 1501 |
| - Talc (Respirable, with no Asbestos) | OSHA CSI |

8.2 Exposure controls:

8.2.1 Occupational exposure controls:

- Measure the concentration in the air regularly
- Work under local exhaust/ventilation

Personal protective equipment:

a) Respiratory protection:

- In case of insufficient ventilation: wear respiratory equipment
- Gas mask with filter type A

b) Hand protection:

- Gloves

c) Eye protection:

- Safety glasses

d) Skin protection:

- Protective clothing

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

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9. Physical and chemical properties

9.1 General information:

Appearance (at 20°C) : Viscous
Odour : Solvent
Colour : Variable in colour

9.2 Important health, safety and environmental information:

pH value (at 20°C) : N.D.
Boiling point/boiling range : N.D. °C
Flashpoint/flammability : 34 °C
Explosion limits (explosive properties) : 1.1 - 6.1 vol%
Oxidising properties : N.D.
Vapour pressure (at 20°C) : 5 hPa
Vapour pressure (at 50°C) : N.D. hPa
Relative density (at 20°C) : 1.9
Water solubility : Insoluble
Soluble in : No data available
Relative vapour density : > 1
Viscosity (at °C) : N.D. Pa.s
Flow time Ø(6 mm) (according to ISO 2431) : > 60 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/m³
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: heat sources, ignition sources

10.3 Hazardous decomposition products:

- Upon combustion CO and CO₂ are formed

11. Toxicological information

11.1 Acute toxicity:

STYRENE:

LD50 oral rat	: 5000	mg/kg
LD50 dermal rabbit	: 2820	mg/kg
LD50 dermal rabbit	: 5010	mg/kg
LC50 inhalation rat	: 24	mg/l/4 h
LC50 inhalation rat	: 5640	ppm/4 h

11.2 Chronic toxicity:

STYRENE:

Carcinogenicity (TLV)	: A4
Carcinogenicity (MAK)	: category 5
Teratogenicity (MAK)	: Group C
IARC classification	: 2B

TALC:

Carcinogenicity (TLV)	: A4
Carcinogenicity (MAK)	: category 3B
Teratogenicity (MAK)	: Group -
IARC classification	: 3

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

11.4 Acute effects/symptoms:

AFTER INHALATION:

ON CONTINUOUS EXPOSURE/CONTACT:

- Headache
- Nausea

11.5 Chronic effects:

- Contains substance of group C (MAK-Schwangerschaftsgruppe)
- Contains substance with uncertain carcinogenic properties
- Not listed in mutagenicity class (EC,MAK)

ON CONTINUOUS EXPOSURE/CONTACT:

- Dry skin

12. Ecological information

12.1 Ecotoxicity:

STYRENE:

- LC50 (96 h) : 25.1 mg/l (LEPOMIS MACROCHIRUS)
- EC50 (48 h) : 23 mg/l (DAPHNIA MAGNA)

TALC:

- LC50 (24 h) : >100 g/l (BRACHYDANIO RERIO)
- **Effect on waste water purification** : No data available

12.2 Mobility:

- **Volatile organic compounds (VOC):** 12%
- **Volatile organic compounds (VOC):** 228 g/l
- Insoluble in water
- Substance sinks in water

For other physicochemical properties see heading 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 Results of PBT assessment:

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

12.6 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

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)
- Waste material code (Flanders): 015 516
- Hazardous waste (91/689/EEC)

13.2 Disposal methods:

- Recycle/reuse
- Incinerate under surveillance
- Do not discharge into surface water

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)

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14. Transport information

14.1 Classification of the substance in compliance with UN Recommendations

UN number : 1993
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 :
MFIAG : -
EMS : -
MARINE POLLUTANT : -

14.6 ICAO (air freight)

CLASS : 3
SUB RISKS : -
PACKING GROUP : III
PACKING INSTRUCTIONS PASSENGER AIRCRAFT : 309/Y309
PACKING INSTRUCTIONS CARGO AIRCRAFT : 310
PROPER SHIPPING NAME :
Flammable liquid, n.o.s (styrene monomer, stabilized)

14.7 Special precautions

viscous liquid with a flash point ranging from 23°C to 60°C, which meets the conditions indicated in 2.2.3.1.5 of ADR, RID and ADNR and in 2.3.2.5 of IMDG not subject to ADR, RID and ADNR and neither to IMDG Code chapters 4.1, 5.2, 6.1
May be carried as polyester resin kit (UN3269)

15. Regulatory information

15.1 EU Legislation:

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

R10 : Flammable
S(02) : (Keep out of reach of children)
S23 : Do not breathe vapour

15.2 National provisions:

the Netherlands:

Waterbezwaarlijkheid: N.D.

Germany:

WGK : 2 (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 US
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
R36/38 : Irritating to eyes and skin