

Soudafalt

1. Identification of the substance/preparation and of the company/undertaking

1.1 Identification of the substance or preparation:

Product name Soudafalt

1.2 Use of the substance/preparation:

Sealant

1.3 Company/undertaking identification:

Supplier of the safety data sheet

SOUDAL N.V.
Everdongenlaan 18-20
B-2300 Turnhout
Tel: +32 14 42 42 31
Fax: +32 14 44 39 71
msds@soudal.com

Manufacturer of the product

SOUDAL N.V.
Everdongenlaan 18-20
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1.4 Emergency telephone:

24h/24h: +32 14 58 45 45 (BIG)

2. Hazards identification

DSD/DPD

Classified as dangerous in accordance with the criteria of Directives 67/548/EEC and 1999/45/EC

Flammable

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

Other hazards

May be ignited by sparks

Slightly irritant to skin

Slightly irritant to eyes

3. Composition/information on ingredients

Name	CAS No EINECS/ELINCS	Conc.	Classification according to DSD/DPD	Classification according to CLP	Note
low boiling point hydrogen treated naphtha	64742-82-1 265-185-4	1%<C<20%	R10 Xn; R65 Xi; R38 R67 N; R51-53	Flam. Liq. 3; H226 Asp. Tox. 1; H304 Skin Irrit. 2; H315 STOT SE 3; H336 Aquatic Chronic 2; H411	(1)
asphalt	8052-42-4 232-490-9	C>25%			(2)
Quaternary ammonium compounds, trimethyltallow alkyl, chlorides	8030-78-2 232-447-4	1%<C<5%	F; R11 Xn; R22 C; R34	Flam. Liq. 2; H225 Acute Tox. 4; H302 Skin Corr. 1B; H314	(1)
(benzene, conc<0.1%)					

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

(2) Substance with a Community workplace exposure limit

Created by: Brandweerinformatiecentrum voor Gevaarlijke Stoffen vzw (BIG)

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<http://www.big.be>

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Product number: 32461

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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
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
Do not apply neutralizing agents

4.4 After ingestion:

Rinse mouth with water
Do not induce vomiting
Consult a doctor/medical service if you feel unwell

5. Fire-fighting measures

5.1 Suitable extinguishing media:

Water spray
Polyvalent foam
Dry chemical powder
Carbon dioxide

5.2 Unsuitable extinguishing media:

Solid water jet ineffective as extinguishing medium

5.3 Special exposure hazards:

May be ignited by sparks
Upon combustion CO and CO₂ are formed

5.4 Instructions:

Take account of environmentally hazardous firefighting water
Use water moderately and if possible collect or contain it
Heating: dilute combustible gas/vapour with water curtain

5.5 Special protective equipment for fire-fighters:

Gloves
Protective clothing
Heat/fire exposure: compressed air/oxygen apparatus

6. Accidental release measures

6.1 Personal precautions:

See heading 8.2

6.2 Environmental precautions:

Dam up the liquid spill
Prevent soil and water pollution
Prevent spreading in sewers
Use appropriate containment to avoid environmental contamination
See heading 13

6.3 Methods for cleaning up:

Take up liquid spill into a non combustible material e.g.: sand/earth
Scoop absorbed substance into closing containers
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

7. Handling and storage

7.1 Handling:

Insufficient ventilation: use spark-/explosionproof appliances and lighting system
 Insufficient ventilation: keep naked flames/sparks away
 Observe normal hygiene standards
 Keep container tightly closed
 Do not discharge the waste into the drain

7.2 Storage:

Safe storage requirements:

Ventilation at floor level
 Meet the legal requirements
 Store at room temperature
 Max. storage time: 1 year(s)

Keep away from:

No data available

Suitable packaging material:

plastics

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:

If limit values are applicable and available these will be listed below.

Indicative exposure limit (the Netherlands)

Asfaltrook(bitumeneus)	Time-weighted average exposure limit 8 h	5 mg/m ³
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Limit Value (Belgium)

Asfalt (petroleum)(rook)	Short time value	- ppm - mg/m ³
	Time-weighted average exposure limit 8 h	- ppm 5 mg/m ³

TLV (USA)

Asphalt (Bitumen) fume, as benzene-soluble aerosol	Short time value	- mg/m ³
	Time-weighted average exposure limit 8 h	0.5 mg/m ³ (Inhalable fraction)

Limit Value (UK)

Asphalt, petroleum fumes	Short time value	- ppm 10 fumes mg/m ³
	Time-weighted average exposure limit 8 h	- ppm 5 fumes mg/m ³

8.1.2 Sampling methods:

Product name	Test	Number
Asphalt	NIOSH	5042
Asphalt Fumes (Petroleum)	OSHA	CSI
Asphalt Fumes (Petroleum)	OSHA	58
Petroleum Distillate (Naphthas)	NIOSH	1550
Petroleum Distillates fractions	OSHA	48

8.2 Exposure controls:

8.2.1 Occupational exposure controls:

Measure the concentration in the air regularly
 Carry operations in the open/under local exhaust/ventilation or with respiratory protection
 Personal protective equipment:
 a) Respiratory protection:

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Wear gas mask with filter type A if conc. in air > exposure limit

b) Hand protection:

Gloves

c) Eye protection:

Face shield

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:

Physical form	Viscous
Odour	Naphtha odour
Colour	Black

9.2 Important health, safety and environmental information:

Boiling point	160 °C
Flashpoint	44 °C
Vapour pressure (20°C)	6 hPa
Relative density	1.3
Solubility in solvents	Soluble in aromatic hydrocarbons Soluble in aliphatic hydrocarbons Soluble in other organic solvents
Dynamic viscosity	(40 °C) 78 Pa.s

Geëxtrapoleerde kinematische viscositeit

Value	Flow time	Diameter uitloopstuk	Norm
	>60 seconds	4 mm	

9.3 Other information:

Auto-ignition temperature	210 °C
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10. Stability and reactivity

10.1 Conditions to avoid:

Possible fire hazard

heat sources

ignition sources

Stability

Stable under normal conditions

10.2 Materials to avoid:

No data available

10.3 Hazardous decomposition products:

Upon combustion CO and CO₂ are formed

11. Toxicological information

11.1 Acute toxicity:

No (test) data on the mixture available

11.2 Chronic toxicity:

Not listed in carcinogenicity class (IARC, EC, TLV, MAK)

Not listed in mutagenicity class (EC, MAK)

Not classified as toxic to reproduction (EC)

asphalt

IARC - classification	3
TLV - Carcinogen	A4
MAK - Kriebserzeugend Kategorie	2
MAK - Schwangerschaft Gruppe	-

11.3 Acute effects/symptoms:

Inhalation:

EXPOSURE TO HIGH CONCENTRATIONS:

Feeling of weakness
Dizziness
Headache
Nausea
Disturbances of consciousness

Skin contact:

Slight irritation

Eye contact:

Slight irritation

ON CONTINUOUS EXPOSURE/CONTACT:

Irritation of the eye tissue

Ingestion:

Nausea
Irritation of the gastric/intestinal mucosa

11.4 Chronic effects:

ON CONTINUOUS/REPEATED EXPOSURE/CONTACT:

Dry skin
Skin rash/inflammation

12. Ecological information

12.1 Ecotoxicity:

No (test) data on the mixture available

12.2 Mobility:

Volatile organic compounds (VOC)
Solubility in/reaction with water

15 %

Literature reports: insoluble in water
Substance sinks in water

12.3 Persistence and degradability:

12.4 Bioaccumulative potential:

12.5 Results of PBT assessment:

Not applicable, based on available data

12.6 Other adverse effects:

Not dangerous for the ozone layer (1999/45/EC)

13. Disposal considerations

13.1 Provisions relating to waste:

Waste material code (Directive 2008/98/EC, decision 2001/118/EC)
08 04 09* : waste adhesives and sealants containing organic solvents or other dangerous substances
Depending on branch of industry and production process, also other EURAL codes may be applicable
Hazardous waste according to Directive 2008/98/EC

13.2 Disposal methods:

Incinerate under surveillance with energy recovery
Remove waste in accordance with local and/or national regulations
Hazardous waste shall not be mixed together with other waste. Different types of hazardous waste shall not be mixed together if this may entail a risk of pollution or create problems for the further management of the waste.
Hazardous waste shall be managed responsibly. All entities that store, transport or handle hazardous waste shall take the necessary measures to prevent risks of pollution or damage to people or animals.
Use appropriate containment to avoid environmental contamination

13.3 Packaging/Container:

Waste material code packaging (Directive 2008/98/EC)

14. Transport information

ADR

Transport	Not subject
UN number	-
Class	-
Packing group	-
Hazard identification number	-
Classification code	-
Labels	-
Environmentally hazardous substance mark	no

RID

Transport	Not subject
UN number	-
Class	-
Packing group	-
Classification code	-
Labels	-
Environmentally hazardous substance mark	no

ADN

Transport	Not subject
UN number	-
Class	-
Packing group	-
Classification code	-
Labels	-
Environmentally hazardous substance mark	no

IMO

Transport	Not subject
UN number	-
Class	-
Labels	-
Marine pollutant	-
Environmentally hazardous substance mark	no

ICAO

Proper shipping name	Hydrocarbons, liquid, n.o.s.
UN number	3295
Class	3
Packing group	III
Labels	3
Environmentally hazardous substance mark	no

15. Regulatory information

15.1 EU Legislation:

DSD/DPD

Classification according to directives 67/548/EEC and 1999/45/EC

R-phrases

10	Flammable
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52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment
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S-phrases

(02)	(Keep out of the reach of children)
61	Avoid release to the environment. Refer to special instructions/safety data sheets.

15.2 National provisions:

The Netherlands

Waterbezwaarlijkheid (for NL)	8
Waste identification other lists of waste materials	LWCA (the Netherlands): KGA category 03

Germany

WGK	3
Classification water polluting based on the components in compliance with Verwaltungsvorschrift wassergefährdender Stoffe (VvVwS) of 27 July 2005 (Anhang 4)	

15.3 Specific community rules:

REACH Annex XVII - Restriction	Contains component(s) included in Annex XVII of Regulation (EC) No. 1907/2006: restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles
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16. Other information

The information in this safety data sheet is based on data and samples provided to BIG. The sheet was written to the best of our ability and according to the state of knowledge at that time. The safety data sheet only constitutes a guideline for the safe handling, use, consumption, storage, transport and disposal of the substances/preparations/mixtures mentioned under point 1. New safety data sheets are written from time to time. Only the most recent versions may be used. Old versions must be destroyed. Unless indicated otherwise word for word on the safety data sheet, the information does not apply to substances/preparations/mixtures in purer form, mixed with other substances or in processes. The safety data sheet offers no quality specification for the substances/preparations/mixtures in question.

Compliance with the instructions in this safety data sheet does not release the user from the obligation to take all measures dictated by common sense, regulations and recommendations or which are necessary and/or useful based on the real applicable circumstances. BIG does not guarantee the accuracy or exhaustiveness of the information provided. Use of this safety data sheet is subject to the licence and liability limiting conditions as stated in your BIG licence agreement. All intellectual property rights to this sheet are the property of BIG and its distribution and reproduction are limited. Consult your BIG licence agreement for details.

(*) = INTERNAL CLASSIFICATION (NFPA)

PBT-substances = persistent, bioaccumulative and toxic substances

DSD	Dangerous Substance Directive
DPD	Dangerous Preparation Directive
CLP (EU-GHS)	Classification, labelling and packaging (Globally Harmonised System in Europe)

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

R10	Flammable
R11	Highly flammable
R22	Harmful if swallowed
R34	Causes burns
R38	Irritating to skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R65	Harmful: may cause lung damage if swallowed
R67	Vapours may cause drowsiness and dizziness

Full text of any H-statements referred to under headings 2 and 3:

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.

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Full text of any classes referred to under headings 2 and 3:

Acute Tox.	Acute toxicity
Aquatic Chronic	Hazardous to the aquatic environment - chronic
Asp. Tox.	Aspiration hazard
Flam. Liq.	Flammable liquid
Skin Corr.	Skin corrosion
Skin Irrit.	Skin irritation
STOT SE	Specific target organ toxicity - single exposure