

Carbond 940 FC

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

1.1 Identification of the substance or preparation:

Product name: Carbond 940 FC

1.2 Use of the substance/preparation:

Construction: sealant

1.3 Company/undertaking identification:

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 dangerous in accordance with Directives 67/548/EEC and 1999/45/EC
 May cause sensitisation by inhalation

Other hazards

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 naphtha, unspecified	64742-95-6 265-199-0	0.1%<C<1%	R10 Xn; R65 Xi; R37 R66 R67 N; R51-53	Flam. Liq. 3; H226 Asp. Tox. 1; H304 STOT SE 3; H335 STOT SE 3; H336 Aquatic Chronic 2; H411	(1)
xylene	1330-20-7 215-535-7	C<12.5 %	Xn; R20/21 Xi; R38 R10	Flam. Liq. 3; H226 Acute Tox. 4; H332 Acute Tox. 4; H312 Skin Irrit. 2; H315	(1)(2)
methylenediphenyl diisocyanate	26447-40-5 247-714-0	0.1%<C<1%	Carc. Cat. 3; R40 Xn; R20 - 48/20 Xi; R36/37/38 R42/43	Carc. 2; H351 Acute Tox. 4*; H332 STOT RE 2*; H373 Eye Irrit. 2; H319 STOT SE 3; H335 Skin Irrit. 2; H315 Resp. Sens. 1; H334 Skin Sens. 1; H317	(1)(2)

(1) For R-phrases and H-statements in full: see heading 16
 (2) Substance with a Community workplace exposure limit

4. First aid measures

4.1 After inhalation:

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<http://www.big.be>

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Revision number: 0213

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 Date of revision: 2010-11-30

Product number: 32947

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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

4.4 After ingestion:

Rinse mouth with water
Consult a doctor/medical service if you feel unwell

5. Fire-fighting measures

5.1 Suitable extinguishing media:

EXTINGUISHING MEDIA FOR SURROUNDING FIRES :
Adapt extinguishing media to the environment

5.2 Unsuitable extinguishing media:

No unsuitable extinguishing media known

5.3 Special exposure hazards:

On burning: release of toxic and corrosive gases/vapours (sulphur oxides, hydrogen chloride, carbon monoxide - carbon dioxide)

5.4 Instructions:

If exposed to fire cool the closed containers by spraying with water
Dilute toxic gases with water spray
Take account of environmentally hazardous firefighting water
Use water moderately and if possible collect or contain it

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:

Allow product to solidify and remove it by mechanical means
Carefully collect the spill/leftovers
Clean (treat) contaminated surfaces with acetone
Wash clothing and equipment after handling

7. Handling and storage

7.1 Handling:

Keep away from naked flames/heat
Observe very strict hygiene - avoid contact
Keep container tightly closed
Do not discharge the waste into the drain

7.2 Storage:

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Safe storage requirements:

Store in a cool area
Keep out of direct sunlight
Store in a dry area
Fireproof storeroom
Meet the legal requirements
Max. storage time: 1 year(s)

Keep away from:**Suitable packaging material:**

aluminium

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.

Regulatory exposure limit (The Netherlands)

Xyleen (o-,m- en p-isomeren)	Short time value	100 ppm 442 mg/m ³
	Time-weighted average exposure limit	50 ppm 210 mg/m ³

Indicative exposure limit EU (Directives 2009/19/EU, 2006/15/EC, 2000/39/EC, 98/27/EC, 96/94/EC, 91/322/EEC)

Xyleen, mengsel van isomeren, zuiver	Short time value	100 ppm 442 mg/m ³
	Time-weighted average exposure limit	50 ppm 221 mg/m ³

Limit Value (Belgium)

Xyleen, mengsel van isomeren, zuiver	Short time value	100 ppm 442 mg/m ³
	Time-weighted average exposure limit	50 ppm 221 mg/m ³

TLV (USA)

Xylene (alle isomers)	Short time value	150 ppm
	Time-weighted average exposure limit	100 ppm

TRGS 900 (Germany)

Xylol (alle isomeren)	Time-weighted average exposure limit	100 ppm 440 mg/m ³
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Limit Value (France)

Xylènes (isomères mixtes, purs)	Short time value	100 ppm 442 mg/m ³
	Time-weighted average exposure limit	50 ppm 221 mg/m ³

Limit Value (UK)

Isocyanates, all (as -NCO)	Short time value	-(-NCO) ppm 0.07(-NCO) mg/m ³
	Time-weighted average exposure limit	-(-NCO) ppm 0.02(-NCO) mg/m ³
Xylene, o-, m-, p- or mixed isomers	Short time value	100 ppm 441 mg/m ³
	Time-weighted average exposure limit	50 ppm 220 mg/m ³

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8.1.2 Sampling methods:

Product name	Test	Number	Sampling method	Remarks
Isocyanates	NIOSH	5522	wet chemical	
Isocyanates	NIOSH	5521	wet chemical	
Papi	OSHA	CSI		
Petroleum Distillate (Naphthas)	NIOSH	1550	adsorption tubes	
Petroleum Distillates fractions	OSHA	48	adsorption tubes	see also 1703
Xylene	OSHA	CSI		
Xylene (Hydrocarbons, aromatic)	NIOSH	1501	adsorption tubes	
Xylene (o-, m-, & p-isomers)	OSHA	7	adsorption tubes	
Xylene (Volatile Organic compounds)	NIOSH	2549	adsorption tubes	

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:

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

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:

Physical form	Viscous
Odour	Solvent-like odour
Colour	Variable in colour, depending on the composition

9.2 Important health, safety and environmental information:

Relative density	1.3
Relative vapour density	> 1

9.3 Other information:

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:

10.3 Hazardous decomposition products:

On burning: release of toxic and corrosive gases/vapours (sulphur oxides, hydrogen chloride, carbon monoxide - carbon dioxide)

11. Toxicological information

11.1 Acute toxicity:

xylene

LD50 oral (rat)	3523 - 8600 mg/kg
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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)

xylene

IARC - classification	3
Listed in SZW - List of reprotoxic substances (development): category	Possibly hazardous to the foetus
TLV - Carcinogen	A4
MAK - Schwangerschaft Gruppe	D

methylenediphenyl diisocyanate

EC carc cat	3
IARC - classification	3
CLP carc cat	category 2

11.3 Acute effects/symptoms:

Inhalation:

ON CONTINUOUS EXPOSURE/CONTACT:

Headache

Nausea

Dizziness

Narcosis

Skin contact:

Slight irritation

Eye contact:

Slight irritation

Ingestion:

AFTER ABSORPTION OF HIGH QUANTITIES:

Symptoms similar to those listed under inhalation

11.4 Chronic effects:

ON CONTINUOUS/REPEATED EXPOSURE/CONTACT:

Respiratory difficulties

12. Ecological information

12.1 Ecotoxicity:

xylene

LC50 fishes

species	value	duration (h)	remarks
SALMO GAIARDNERI/ ONCORHYNCHUS MYKISS	3.77 mg/l	96 h	

EC50 Daphnia

species	value	duration (h)	remarks
DAPHNIA MAGNA	7.4 mg/l	48 h	

EC50 other aquatic organisms

species	value	duration (h)	remarks
SKELETONEMA COSTATUM	10 mg/l	72 h	

12.2 Mobility:

Volatile organic compounds (VOC)

6 %

VOC content (g/l)

72 g/l

Solubility in/reaction with water

Literature reports: insoluble in water

12.3 Persistence and degradability:

Contains non readily biodegradable component(s)

12.4 Bioaccumulative potential:

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No bioaccumulation data available

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:

In authorized incinerator equipped with flue gas scrubber with energy recovery

Remove waste in accordance with local and/or national regulations

Use appropriate containment to avoid environmental contamination

13.3 Packaging/Container:

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

15 01 10* : packaging containing residues of or contaminated by dangerous substances

14. Transport information

ADR

Transport	Not subject
UN number	-
Class	
Packing group	
Hazard identification number	
Classification code	
Labels	
Environmentally hazardous substance mark	

RID

Transport	Not subject
UN number	-
Class	
Packing group	
Classification code	
Labels	
Environmentally hazardous substance mark	

ADNR

Transport	Not subject
UN number	-
Class	
Packing group	
Classification code	
Labels	
Environmentally hazardous substance mark	

IMO

Transport	Not subject
UN number	-
Class	

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Packing group	
Labels	
Marine pollutant	
Environmentally hazardous substance mark	

ICAO

Transport	Not subject
UN number	-
Class	
Packing group	
Labels	
Environmentally hazardous substance mark	

15. Regulatory information

15.1 EU Legislation:

DSD/DPD

Classification according to directives 67/548/EEC, 1999/45/EC and 2006/8/EC



Harmful

Contains: methylenediphenyl diisocyanate

R-phrases

42	May cause sensitisation by inhalation
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S-phrases

(02)	(Keep out of the reach of children)
23	Do not breathe vapour
45	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)
(63)	(In case of accident by inhalation: remove casualty to fresh air and keep at rest)

Additional recommendations

	Contains isocyanates. See information supplied by the manufacturer.
	— Persons already sensitised to diisocyanates may develop allergic reactions when using this product.
	— Persons suffering from asthma, eczema or skin problems should avoid contact, including dermal contact, with this product.
	— This product should not be used under conditions of poor ventilation unless a protective mask with an appropriate gas filter (i.e. type A1 according to standard EN 14387) is used.

15.2 National provisions:

The Netherlands

Waterbezwaarlijkheid (for NL)	1
Waste identification other lists of waste materials	LWCA (the Netherlands): KGA category 04

Germany

TA-Luft	xylene: TA-Luft Klasse 5.2.5/II
WGK	2
	Classification water polluting based on the components in compliance with Verwaltungsvorschrift wassergefährdender Stoffe (VwVwS) of 27 July 2005 (Anhang 4)

15.3 Specific community rules:

Enumerated 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.

[Legislation](#)

[Reference legislation](#)

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EU/276/2010 See 1)
 EC/552/2009 See column 1: 40.
 EC/552/2009 See column 1: 56.

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
R20	Harmful by inhalation
R20/21	Harmful by inhalation and in contact with skin
R36/37/38	Irritating to eyes, respiratory system and skin
R37	Irritating to respiratory system
R38	Irritating to skin
R40	Limited evidence of a carcinogenic effect
R42	May cause sensitisation by inhalation
R42/43	May cause sensitisation by inhalation and skin contact
R48/20	Harmful: danger of serious damage to health by prolonged exposure through inhalation
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R65	Harmful: may cause lung damage if swallowed
R66	Repeated exposure may cause skin dryness or cracking
R67	Vapours may cause drowsiness and dizziness

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

H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H373	May cause damage to organs through prolonged or repeated exposure if inhaled
H411	Toxic to aquatic life with long lasting effects.

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
Carc.	Carcinogenicity
Eye Irrit.	Eye irritation
Flam. Liq.	Flammable liquid
Resp. Sens.	Respiratory sensitization

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Skin Irrit.	Skin irritation
Skin Sens.	Skin sensitization
STOT RE	Specific target organ toxicity - repeated exposure
STOT SE	Specific target organ toxicity - single exposure

SOLD AT