SAFETY DATA SHEET

Based upon Regulation (EC) No. 1907/2006, as amended by Regulation (EC) No. 453/2010

Carsealer Brushgrade

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier:

Product name : Carsealer Brushgrade

Product type REACH : Mixture

1.2 Relevant identified uses of the substance or mixture and uses advised against:

1.2.1 Relevant identified uses

Paint

1.2.2 Uses advised against

No uses advised against known

1.3 Details of the supplier of the safety data sheet:

Supplier of the safety data sheet

SOUDAL N.V.
Everdongenlaan 18-20
B-2300 Turnhout
☎ +32 14 42 42 31
 +32 14 42 65 14
msds@soudal.com

Manufacturer of the product

SOUDAL N.V.
Everdongenlaan 18-20
B-2300 Turnhout
☎ +32 14 42 42 31
 +32 14 42 65 14
msds@soudal.com

1.4 Emergency telephone number:

24h/24h (Telephone advice: English, French, German, Dutch):
+32 14 58 45 45 (BIG)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture:

2.1.1 Classification according to Regulation EC No 1272/2008

Classified as dangerous according to the criteria of Regulation (EC) No 1272/2008

Class	Category	Hazard statements
Flam. Liq.	category 3	H226: Flammable liquid and vapour.
Skin Irrit.	category 2	H315: Causes skin irritation.
Aquatic Chronic	category 3	H412: Harmful to aquatic life with long lasting effects.

2.1.2 Classification according to Directive 67/548/EEC-1999/45/EC

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

R10 - Flammable.

Xn; R20/21 - Harmful by inhalation and in contact with skin.

Xi; R38 - Irritating to skin.

R52-53 - Harmful to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

2.2 Label elements:

Labelling according to Regulation EC No 1272/2008 (CLP)

Drawn up according to the criteria of Regulation (EU) No 487/2013, 4th adaptation of Regulation (EC) No 1272/2008

Contains: xylene.

Signal word Warning

H-statements

H226	Flammable liquid and vapour.
H315	Causes skin irritation.
H412	Harmful to aquatic life with long lasting effects.

P-statements

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P243	Take precautionary measures against static discharge.
P280	Wear protective gloves and eye protection/face protection.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P332 + P313	If skin irritation occurs: Get medical advice/attention.
P501	Dispose of contents/container in accordance with local/regional/national/international regulation.

Labelling according to Directive 67/548/EEC-1999/45/EC (DSD/DPD)

Labels

Harmful

Contains: xylene.

R-phrases

10	Flammable
20/21	Harmful by inhalation and in contact with skin
38	Irritating to skin
52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

S-phrases

(02)	(Keep out of the reach of children)
36/37	Wear suitable protective clothing and gloves
(46)	(If swallowed, seek medical advice immediately and show this container or label)
51	Use only in well-ventilated areas
61	Avoid release to the environment. Refer to special instructions/safety data sheets.

2.3 Other hazards:

CLP

May be ignited by sparks
Gas/vapour spreads at floor level: ignition hazard
Caution! Substance is absorbed through the skin

DSD/DPD

May be ignited by sparks
Gas/vapour spreads at floor level: ignition hazard
Caution! Substance is absorbed through the skin

SECTION 3: Composition/information on ingredients

3.1 Substances:

Not applicable

3.2 Mixtures:

Name (REACH Registration No)	CAS No EC No	Conc. (C)	Classification according to DSD/DPD	Classification according to CLP	Note	Remark
xylene (-)	1330-20-7 215-535-7	C>25%	Xn; R20/21 Xn; R65 Xi; R38 R10	Flam. Liq. 3; H226 Acute Tox. 4; H332 Acute Tox. 4; H312 Asp. Tox. 1; H304 Skin Irrit. 2; H315	(1)(2)(8)(10)	UVCB

imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-, polymer with formaldehyde, butylated (-)	68036-98-6	2.5%<C<25%	N; R51-53	Aquatic Chronic 2; H411	(1)	Polymer
Naphtha (petroleum), hydrodesulfurized heavy 01-2119490979-12)	64742-82-1 265-185-4	0.1%<C<2.5%	Xn; R65 Xi; R38 R10 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)(10)	UVCB

(1) For R-phrases and H-statements in full: see heading 16
(2) Substance with a Community workplace exposure limit
(8) Specific concentration limits, see heading 16
(10) Subject to restrictions of Annex XVII of Regulation (EC) No. 1907/2006

SECTION 4: First aid measures

4.1 Description of first aid measures:

General:

If you feel unwell, seek medical advice.

After inhalation:

Remove the victim into fresh air. Respiratory problems: consult a doctor/medical service.

After skin contact:

Wash immediately with lots of water. Soap may be used. Take victim to a doctor if irritation persists.

After eye contact:

Rinse with water. Do not apply neutralizing agents. Take victim to an ophthalmologist if irritation persists.

After ingestion:

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

4.2 Most important symptoms and effects, both acute and delayed:

4.2.1 Acute symptoms

After inhalation:

ON CONTINUOUS EXPOSURE/CONTACT: Irritation of the respiratory tract. Irritation of the nasal mucous membranes. Central nervous system depression. Feeling of weakness. Nausea. Headache. Dizziness. Coordination disorders. Narcosis. Impaired concentration. Disturbed motor response. Disturbances of consciousness.

After skin contact:

Tingling/irritation of the skin.

After eye contact:

No effects known.

After ingestion:

AFTER ABSORPTION OF HIGH QUANTITIES: Central nervous system depression. Symptoms similar to those listed under inhalation.

4.2.2 Delayed symptoms

No effects known.

4.3 Indication of any immediate medical attention and special treatment needed:

If applicable and available it will be listed below.

SECTION 5: Firefighting measures

5.1 Extinguishing media:

5.1.1 Suitable extinguishing media:

Carbon dioxide. Sand/earth. ABC powder.

5.1.2 Unsuitable extinguishing media:

Water. Solid water jet ineffective as extinguishing medium.

5.2 Special hazards arising from the substance or mixture:

Upon combustion: CO and CO2 are formed.

5.3 Advice for firefighters:

5.3.1 Instructions:

No specific fire-fighting instructions required.

5.3.2 Special protective equipment for fire-fighters:

Gloves. Face-shield. Protective clothing. Heat/fire exposure: compressed air/oxygen apparatus.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Stop engines and no smoking. No naked flames or sparks. Spark- and explosionproof appliances and lighting equipment.

6.1.1 Protective equipment for non-emergency personnel

See heading 8.2

6.1.2 Protective equipment for emergency responders

Gloves. Face-shield. Protective clothing.

Suitable protective clothing

See heading 8.2

6.2 Environmental precautions:

Contain leaking substance. Dam up the solid spill. Use appropriate containment to avoid environmental contamination. Prevent soil and water pollution. Prevent spreading in sewers.

6.3 Methods and material for containment and cleaning up:

Cover spill with non combustible material, e.g.: sand, earth, vermiculite. Scoop solid spill into closing containers. Carefully collect the spill/leftovers. Clean contaminated surfaces with an excess of water. Take collected spill to manufacturer/competent authority. Wash clothing and equipment after handling.

6.4 Reference to other sections:

See heading 13.

SECTION 7: Handling and storage

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

7.1 Precautions for safe handling:

Insufficient ventilation: keep naked flames/sparks away. Insufficient ventilation: use spark-/explosionproof appliances and lighting system. Insufficient ventilation: take precautions against electrostatic charges. Observe normal hygiene standards. Keep container tightly closed. Remove contaminated clothing immediately. Do not discharge the waste into the drain.

7.2 Conditions for safe storage, including any incompatibilities:

7.2.1 Safe storage requirements:

Store in a cool area. Ventilation at floor level. Fireproof storeroom. Keep only in the original container. Store at room temperature. Meet the legal requirements. Max. storage time: 1 year(s).

7.2.2 Keep away from:

Heat sources, ignition sources.

7.2.3 Suitable packaging material:

Tin.

7.2.4 Non suitable packaging material:

No data available

7.3 Specific end use(s):

If applicable and available, exposure scenarios are attached in annex. See information supplied by the manufacturer.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters:

8.1.1 Occupational exposure

a) Occupational exposure limit values

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

The Netherlands

Xyleen (o-,m- en p-isomeren)	Short time value	100 ppm 442 mg/m³	Public occupational exposure limit value
	Time-weighted average exposure limit 8 h	48 ppm 210 mg/m³	Public occupational exposure limit value

EU

Xylene, mixed isomers, pure	Short time value	100 ppm 442 mg/m³	Indicative occupational exposure limit value
	Time-weighted average exposure limit 8 h	50 ppm 221 mg/m³	Indicative occupational exposure limit value

Belgium

Xylène, isomères mixtes, purs	Short time value	100 ppm 442 mg/m³	
	Time-weighted average exposure limit 8 h	50 ppm 221 mg/m³	

USA (TLV-ACGIH)

Xylene (all isomers)	Short time value	150 ppm	TLV - Adopted Value
	Time-weighted average exposure limit 8 h	100 ppm	TLV - Adopted Value

Germany

Xylol (alle Isomeren)	Time-weighted average exposure limit 8 h	100 ppm 440 mg/m³	TRGS 900

France

Xylènes, isomères mixtes, purs	Short time value	100 ppm 442 mg/m³	VRC: Valeur réglementaire contraignante
	Time-weighted average exposure limit 8 h	50 ppm 221 mg/m³	VRC: Valeur réglementaire contraignante

UK

Xylene, o-,m-,p- or mixed isomers	Short time value	100 ppm 441 mg/m³	Workplace exposure limit (EH40/2005)
	Time-weighted average exposure limit 8 h	50 ppm 220 mg/m³	Workplace exposure limit (EH40/2005)

b) National biological limit values

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

8.1.2 Sampling methods

If applicable and available it will be listed below.

8.1.3 Applicable limit values when using the substance or mixture as intended

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

8.1.4 DNEL/PNEC values

DNEL - Workers

xylene

Effect level (DNEL/DMEL)	Type	Value	Remark
DNEL	Acute systemic effects inhalation	289 mg/m³	
	Acute local effects inhalation	289 mg/m³	
	Long-term systemic effects dermal	180 mg/kg bw/day	
	Long-term systemic effects inhalation	77 mg/m³	

DNEL - General population

xylene

Effect level (DNEL/DMEL)	Type	Value	Remark
DNEL	Acute systemic effects inhalation	174 mg/m³	
	Acute local effects inhalation	174 mg/m³	
	Long-term systemic effects dermal	108 mg/kg bw/day	
	Long-term systemic effects inhalation	14.8 mg/m³	
	Long-term systemic effects oral	1.6 mg/kg bw/day	

PNEC

xylene

Compartments	Value	Remark
Fresh water	0.327 mg/l	
Marine water	0.327 mg/l	
Aqua (intermittent releases)	0.327 mg/l	
STP	6.58 mg/l	
Fresh water sediment	12.46 mg/kg sediment dw	
Marine water sediment	12.46 mg/kg sediment dw	
Soil	2.31 mg/kg soil dw	

Naphtha (petroleum), hydrodesulfurized heavy

Compartments	Value	Remark
Soil	0.4-20.8 mg/kg soil dw	

8.1.5 Control banding

If applicable and available it will be listed below.

8.2 Exposure controls:

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

8.2.1 Appropriate engineering controls

Insufficient ventilation: keep naked flames/sparks away. Insufficient ventilation: use spark-/explosionproof appliances and lighting system. Insufficient ventilation: take precautions against electrostatic charges. Measure the concentration in the air regularly. Carry operations in the open/under local exhaust/ventilation or with respiratory protection.

8.2.2 Individual protection measures, such as personal protective equipment

Observe normal hygiene standards. Keep container tightly closed. Do not eat, drink or smoke during work.

a) Respiratory protection:

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

b) Hand protection:

Gloves.

Materials	Breakthrough time	Thickness
viton	>480 minutes	

- materials (good resistance)

Viton.

c) Eye protection:

Face shield.

d) Skin protection:

Protective clothing.

8.2.3 Environmental exposure controls:

See headings 6.2, 6.3 and 13

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties:

Physical form	Viscous
Odour	Characteristic odour
Odour threshold	No data available
Colour	Grey
Particle size	No data available
Explosion limits	1.0 - 7.0 vol %
Flammability	Flammable liquid and vapour.
Log Kow	Not applicable (mixture)
Dynamic viscosity	240000 mPa.s ; 20 °C
Kinematic viscosity	No data available
Melting point	No data available
Boiling point	135 °C
Flash point	24 °C
Evaporation rate	No data available
Relative vapour density	Not applicable
Vapour pressure	6 hPa ; 20 °C
	20 hPa ; 50 °C
Solubility	water ; insoluble
Relative density	1.22
Decomposition temperature	No data available
Auto-ignition temperature	305 °C
Explosive properties	No chemical group associated with explosive properties
Oxidising properties	No chemical group associated with oxidising properties
pH	No data available

Physical hazards

Flammable liquid

9.2 Other information:

Absolute density	1220 kg/m³

SECTION 10: Stability and reactivity

10.1 Reactivity:

May be ignited by sparks. Gas/vapour spreads at floor level: ignition hazard. No data available.

10.2 Chemical stability:

Stable under normal conditions.

10.3 Possibility of hazardous reactions:

No data available.

10.4 Conditions to avoid:

Insufficient ventilation: keep naked flames/sparks away. Insufficient ventilation: use spark-/explosionproof appliances and lighting system. Insufficient ventilation: take precautions against electrostatic charges.

10.5 Incompatible materials:

No data available.

10.6 Hazardous decomposition products:

Upon combustion: CO and CO2 are formed.

SECTION 11: Toxicological information

11.1 Information on toxicological effects:

11.1.1 Test results

Acute toxicity

Carsealer Brushgrade

No (test)data on the mixture available

xylene

Route of exposure	Parameter	Method	Value	Exposure time	Species	Gender	Value determination
Oral	LD50	OECD 401	>4000 mg/kg bw		Rat	Female	Experimental value
Dermal	LD50	OECD 402	>4200 mg/kg bw	4 h	Rabbit	Male	Experimental value
Inhalation	LC50	OECD 403	27.57 mg/l	4 h	Rat	Male	Experimental value

Naphtha (petroleum), hydrodesulfurized heavy

Route of exposure	Parameter	Method	Value	Exposure time	Species	Gender	Value determination
Oral	LD50	Equivalent to OECD 401	>5000 mg/kg		Rat	Male/female	Experimental value
				24 h			
Inhalation (vapours)	LC50	Equivalent to OECD 403	>5610 mg/m³ air		Rat	Male/female	Experimental value

Judgement is based on the relevant ingredients

Conclusion

Not classified for acute toxicity

Corrosion/irritation

Carsealer Brushgrade

No (test)data on the mixture available

xylene

Route of exposure	Result	Method	Exposure time	Time point	Species	Value determination
Eye	Moderately irritating	OECD 405		24; 48; 72 hours	Rabbit	Experimental value
Skin	Irritating	OECD 404	24 h	24; 72 hours	Rabbit	Experimental value

Naphtha (petroleum), hydrodesulfurized heavy

Route of exposure	Result	Method	Exposure time	Time point	Species	Value determination
Eye	Not irritating	Equivalent to OECD 405		24; 48; 72 hrs; 4 days	Rabbit	Experimental value
Skin	Irritating	OECD 404	4 h	1; 24; 48; 72; 168 hours	Rabbit	Experimental value

Classification is based on the relevant ingredients

Conclusion

Causes skin irritation.

Not classified as irritating to the eyes

Respiratory or skin sensitisation

Carsealer Brushgrade

No (test)data on the mixture available

xylene

Route of exposure	Result	Method	Exposure time	Observation time point	Species	Gender	Value determination
Skin	Not sensitizing	OECD 429			Mouse		Experimental value

Naphtha (petroleum), hydrodesulfurized heavy

Route of exposure	Result	Method	Exposure time	Observation time point	Species	Gender	Value determination
Skin	Not sensitizing	Equivalent to OECD 406		24; 48 hours	Guinea pig	Male	Experimental value

Judgement is based on the relevant ingredients

Conclusion

Not classified as sensitizing for skin

Specific target organ toxicity

Carsealer Brushgrade

No (test)data on the mixture available

xylene

Route of exposure	Parameter	Method	Value	Organ	Effect	Exposure time	Species	Gender	Value determination
Oral	LOAEL	Equivalent to OECD 408	150 mg/kg bw/day	Liver	Weight gain	90 day(s)	Rat	Male/female	Experimental value
Oral	NOAEL	Other	250 mg/kg bw/day		No effect	13 weeks (6h/day, 5 days/week)	Rat	Male/female	Experimental value
Inhalation (vapours)	NOAEC		>=3515 mg/m³		No effect	13 weeks (6h/day, 5 days/week)	Rat	Male	Experimental value

Naphtha (petroleum), hydrodesulfurized heavy

Route of exposure	Parameter	Method	Value	Organ	Effect	Exposure time	Species	Gender	Value determination
Oral (stomach tube)	NOEL	Subacute toxicity test	<500 mg/kg bw/day	Kidney	No effect	4 weeks (5 days/week)	Rat	Male	Experimental value
Dermal	NOAEL	Equivalent to OECD 453	0.5 ml		No effect		Mouse	Male/female	
Dermal	NOEL	Equivalent to OECD 410	<200 mg/kg bw/day	Skin	No effect	4 weeks (3 times/week)	Rabbit	Male/female	Experimental value
Dermal	NOEL	Equivalent to OECD 410	>2000 mg/kg bw/day	General	No effect	4 weeks (3 times/week)	Rabbit	Male/female	Experimental value
Inhalation (vapours)	NOAEC	Equivalent to OECD 453	1402 mg/m³ air		No effect	107-109 weeks (6h/day, 5	Rat	Male/female	
Inhalation					Drowsiness, dizziness				Literature study

Judgement is based on the relevant ingredients

Conclusion

Not classified for subchronic toxicity

Mutagenicity (in vitro)

Carsealer Brushgrade

No (test)data on the mixture available

xylene

Result	Method	Test substrate	Effect	Value determination
Negative	Other	Chinese hamster ovary (CHO)	No effect	Experimental value

Naphtha (petroleum), hydrodesulfurized heavy

Result	Method	Test substrate	Effect	Value determination
Negative with metabolic activation, negative without metabolic activation	Equivalent to OECD 471	Bacteria (S.typhimurium)	No effect	Experimental value
Negative	Equivalent to OECD 476	Mouse (lymphoma L5178Y cells)	No effect	Experimental value

Mutagenicity (in vivo)

Carsealer Brushgrade

No (test)data on the mixture available

xylene

Result	Method	Exposure time	Test substrate	Gender	Organ	Value determination
Negative	Equivalent to OECD 478		Mouse	Male/female		Experimental value

Naphtha (petroleum), hydrodesulfurized heavy

Result	Method	Exposure time	Test substrate	Gender	Organ	Value determination
Negative	EPA OPPTS 870.5395	4 weeks (6h/day, 5 days/week)	Rat	Male/female		Experimental value

Carcinogenicity

Carsealer Brushgrade

No (test)data on the mixture available

xylene

Route of exposure	Parameter	Method	Value	Exposure time	Species	Gender	Value determination	Organ	Effect
Oral	NOAEC	Other	>=1000 mg/kg bw/day	103 weeks (5 days/week)	Mouse	Male/female	Experimental value		No effect
Oral	NOAEC	Other	>=500 mg/kg bw/day	103 weeks (5 days/week)	Rat	Male/female	Experimental value		No effect

Naphtha (petroleum), hydrodesulfurized heavy

Route of exposure	Parameter	Method	Value	Exposure time	Species	Gender	Value determination	Organ	Effect
Dermal	NOAEL	Equivalent to OECD 451	0.05 ml	102 weeks (3 times/week)	Mouse	Male	Experimental value		No effect

Reproductive toxicity

Carsealer Brushgrade

No (test)data on the mixture available

xylene

	Parameter	Method	Value	Exposure time	Species	Gender	Effect	Organ	Value determination
Developmental toxicity	NOAEC (P)	Equivalent to OECD 414	>=500 ppm	21 days (6h/day)	Rat	Male/female	No effect		Experimental value
Effects on fertility	NOAEC (P)	EPA OPPTS 870.3800	>=500 ppm	70 days (6h/day)	Rat	Male/female	No effect		Experimental value
	NOAEC (F1)	EPA OPPTS 870.3800	>=500 ppm	70 days (6h/day)	Rat	Male/female	No effect		Experimental value
	NOAEC (F2)	EPA OPPTS 870.3800	>=500 ppm		Rat	Male/female	No effect		Experimental value

Naphtha (petroleum), hydrodesulfurized heavy

	Parameter	Method	Value	Exposure time	Species	Gender	Effect	Organ	Value determination
Developmental toxicity	NOAEL	Equivalent to OECD 414	23900 mg/m³ air	14 days (6h/day)	Rat	Female	No effect	Foetus	Experimental value
Maternal toxicity	NOAEL	Equivalent to OECD 414	23900 mg/m³ air	14 days (6h/day)	Rat	Female	No effect		Experimental value
Effects on fertility	NOAEC	Equivalent to OECD 416	>=20000 mg/m³ air		Rat	Male/female	No effect		Experimental value

Judgement is based on the relevant ingredients

Conclusion CMR

Not classified for carcinogenicity

Not classified for mutagenic or genotoxic toxicity

Not classified for reprotoxic or developmental toxicity

Toxicity other effects

Carsealer Brushgrade

No (test)data on the mixture available

Chronic effects from short and long-term exposure

Carsealer Brushgrade

ON CONTINUOUS/REPEATED EXPOSURE/CONTACT: Dry skin. Itching. Skin rash/inflammation. Central nervous system depression.

SECTION 12: Ecological information

12.1 Toxicity:

Carsealer Brushgrade

No (test)data on the mixture available

xylene

	Parameter	Method	Value	Duration	Species	Test design	Fresh/salt water	Value determination
Acute toxicity fishes	LC50	OECD 203	2.6 mg/l	96 h	Oncorhynchus mykiss	Static system	Fresh water	Read-across; Lethal
Acute toxicity invertebrates	EC50		3.82 mg/l	48 h	Daphnia magna	Flow-through system	Fresh water	Read-across
Toxicity algae and other aquatic plants	EC50	OECD 201	4.36 mg/l	72 h	Pseudokirchneriella subcapitata	Static system	Fresh water	Experimental value; Growth rate
Long-term toxicity fish	NOEC		> 1.3 mg/l	56 day(s)	Oncorhynchus mykiss	Flow-through system	Fresh water	Experimental value; Lethal
Long-term toxicity aquatic invertebrates	NOEC	US EPA	1.17 mg/l	7 day(s)	Ceriodaphnia dubia		Fresh water	Read-across; Reproduction

Naphtha (petroleum), hydrodesulfurized heavy

	Parameter	Method	Value	Duration	Species	Test design	Fresh/salt water	Value determination
Acute toxicity fishes	LL50	OECD 203	10 mg/l	96 h	Oncorhynchus mykiss	Semi-static system	Fresh water	Experimental value; Lethal
Acute toxicity invertebrates	EL50	OECD 202	4.5 mg/l	48 h	Daphnia magna	Static system	Fresh water	Experimental value; Locomotor effect
Toxicity algae and other aquatic plants	EL50	OECD 201	3.1 mg/l	72 h	Pseudokirchneriella subcapitata	Static system	Fresh water	Experimental value; Growth rate
Long-term toxicity fish	NOELR	OECD 204	2.6 mg/l	14 day(s)	Pimephales promelas	Semi-static system	Fresh water	Experimental value; Lethal
Long-term toxicity aquatic invertebrates	NOELR	OECD 211	2.6 mg/l	21 day(s)	Daphnia magna	Semi-static system	Fresh water	Experimental value; Reproduction
Toxicity aquatic micro-organisms	EC50		15.41 mg/l	40 h	Tetrahymena pyriformis		Fresh water	QSAR; Growth

Classification is based on the relevant ingredients

Conclusion

Harmful to aquatic life with long lasting effects.

12.2 Persistence and degradability:

xylene

Biodegradation water

Method	Value	Duration	Value determination
OECD 301F: Manometric Respirometry Test	87.8 %	28 day(s)	Read-across

Naphtha (petroleum), hydrodesulfurized heavy

Biodegradation water

Method	Value	Duration	Value determination
OECD 301F: Manometric Respirometry Test	77.05 %	28 day(s)	Experimental value
ISO 14593	90.35 %	28 day(s)	Experimental value

Conclusion

Contains readily biodegradable component(s)

12.3 Bioaccumulative potential:

Carsealer Brushgrade

Log Kow

Method	Remark	Value	Temperature	Value determination
	Not applicable (mixture)			

xylene

BCF fishes

Parameter	Method	Value	Duration	Species	Value determination
BCF		7 - 26	8 week(s)	Oncorhynchus mykiss	Experimental value

Log Kow

Method	Remark	Value	Temperature	Value determination
		3.2	20 °C	Conclusion by analogy

imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-, polymer with formaldehyde, butylated

Log Kow

Method	Remark	Value	Temperature	Value determination
	No data available			

Naphtha (petroleum), hydrodesulfurized heavy

BCF fishes

Parameter	Method	Value	Duration	Species	Value determination
BCF	BCFWIN	2500		Oncorhynchus mykiss	Calculated value

Log Kow

Method	Remark	Value	Temperature	Value determination
		2.1 - 6		Calculated

Conclusion

Contains bioaccumulative component(s)

12.4 Mobility in soil:

Naphtha (petroleum), hydrodesulfurized heavy

(log) Koc

Parameter	Method	Value	Value determination
Koc	SRC PCKOCWIN v1.66	60.7-229.2	Calculated value
log Koc	SRC PCKOCWIN v1.66	1.783-2.36	Calculated value

Percent distribution

Method	Fraction air	Fraction biota	Fraction sediment	Fraction soil	Fraction water	Value determination
Mackay level III	93.02 %		0.81 %	0.34 %	5.83 %	Calculated value

Conclusion

Contains component(s) with potential for mobility in the soil

12.5 Results of PBT and vPvB assessment:

Due to insufficient data no statement can be made whether the component(s) fulfil(s) the criteria of PBT and vPvB according to Annex XIII of Regulation (EC) No 1907/2006.

12.6 Other adverse effects:

Carsealer Brushgrade

Global warming potential (GWP)

None of the known components is included in the list of fluorinated greenhouse gases (Regulation (EC) No 842/2006)

Ozone-depleting potential (ODP)

Not classified as dangerous for the ozone layer (Regulation (EC) No 1005/2009)

Ground water

Ground water pollutant

xylene

Ground water

Ground water pollutant

Naphtha (petroleum), hydrodesulfurized heavy

Ground water

Ground water pollutant

SECTION 13: Disposal considerations

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

13.1 Waste treatment methods:

13.1.1 Provisions relating to waste

Waste material code (Directive 2008/98/EC, Decision 2000/0532/EC).
08 01 11* (wastes from MFSU and removal of paint and varnish: waste paint and varnish containing organic solvents or other dangerous substances).
Depending on branch of industry and production process, also other waste codes may be applicable. Hazardous waste according to Directive 2008/98/EC.

13.1.2 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. Should not be landfilled with household waste. Do not discharge into drains or the environment.

13.1.3 Packaging/Container

Waste material code packaging (Directive 2008/98/EC).
15 01 10* (packaging containing residues of or contaminated by dangerous substances).

SECTION 14: Transport information

Road (ADR)

14.1 UN number:

Transport	Not subject

14.2 UN proper shipping name:

14.3 Transport hazard class(es):

Hazard identification number	
Class	
Classification code	

14.4 Packing group:

Packing group	
Labels	

14.5 Environmental hazards:

Environmentally hazardous substance mark	no

14.6 Special precautions for user:

Special provisions	
Limited quantities	
Specific mention	Viscous liquid with flash point ≥23°C and ≤60°C, which meets the conditions indicated in 2.2.3.1.5 of ADR, is not subject

Rail (RID)

14.1 UN number:

Transport	Not subject

14.2 UN proper shipping name:

14.3 Transport hazard class(es):

Hazard identification number	
Class	
Classification code	

14.4 Packing group:

Packing group	
Labels	

14.5 Environmental hazards:

Environmentally hazardous substance mark	no

14.6 Special precautions for user:

Special provisions	
Limited quantities	
Specific mention	Viscous liquid with flash point ≥23°C and ≤60°C, which meets the conditions indicated in 2.2.3.1.5 of RID, is not subject

Inland waterways (ADN)

14.1 UN number:

Transport	Not subject

14.2 UN proper shipping name:

14.3 Transport hazard class(es):

Class	
Classification code	

14.4 Packing group:

Packing group	
Labels	

14.5 Environmental hazards:

Environmentally hazardous substance mark	no

14.6 Special precautions for user:

Special provisions	
Limited quantities	
Specific mention	Viscous liquid with flash point ≥23°C and ≤60°C, which meets the conditions indicated in 2.2.3.1.5 of ADN, is not subject

Sea (IMDG/IMSBC)

14.1 UN number:

UN number	1263

14.2 UN proper shipping name:

Proper shipping name	paint related material

14.3 Transport hazard class(es):

Class	3

14.4 Packing group:

Packing group	III
Labels	3

14.5 Environmental hazards:

Marine pollutant	-
Environmentally hazardous substance mark	no

14.6 Special precautions for user:

Special provisions	163
Special provisions	223
Special provisions	955
Limited quantities	Combination packagings: not more than 5 liters per inner packaging for liquids. A package shall not weigh more than 30 kg. (gross mass)
Specific mention	Viscous liquid with flash point ≥23°C and ≤60°C, which meets the conditions indicated in 2.3.2.5 of IMDG, is not subject to IMDG Code chapters 4.1, 5.2 and 6.1

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:

Annex II of MARPOL 73/78	Not applicable, based on available data

Air (ICAO-TI/IATA-DGR)

14.1 UN number:

UN number	1263

14.2 UN proper shipping name:

Proper shipping name	Paint

14.3 Transport hazard class(es):

Class	3

14.4 Packing group:

Packing group	III
Labels	3

14.5 Environmental hazards:

Environmentally hazardous substance mark	no

14.6 Special precautions for user:

Special provisions	A3
Special provisions	A72
Passenger and cargo transport: limited quantities: maximum net quantity per packaging	10 L

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

European legislation:

VOC content Directive 2010/75/EU

VOC content	remarks
32.73 %	

VOC content Directive 2004/42/EC

399.3 g/l				

REACH Annex XVII - Restriction

Contains component(s) subject to restrictions of 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.

	Designation of the substance, of the group of substances or of the mixture	Conditions of restriction
· xylene · Naphtha (petroleum), hydrodesulfurized heavy	Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: (a) hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F; (b) hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on	1. Shall not be used in: — ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays, — tricks and jokes, — games for one or more participants, or any article intended to be used as such, even with ornamental aspects,2. Articles not complying with paragraph 1 shall not be placed on the market.3. Shall not be placed on the market if they contain a colouring agent, unless required for fiscal reasons, or perfume, or both, if they: — can be used as fuel in decorative oil lamps for supply to the general public, and, — present an aspiration hazard and are labelled with R65 or H304,4. Decorative oil lamps for supply to the general public shall not be placed on the market unless they conform to the European Standard on Decorative oil lamps (EN 14059) adopted by the European Committee

	development, 3.8 effects other than narcotic effects, 3.9 and 3.10; (c) hazard class 4.1; (d) hazard class 5.1.	for Standardisation (CEN).5. Without prejudice to the implementation of other Community provisions relating to the classification, packaging and labelling of dangerous substances and mixtures, suppliers shall ensure, before the placing on the market, that the following requirements are met: a) lamp oils, labelled with R65 or H304, intended for supply to the general public are visibly, legibly and indelibly marked as follows: "Keep lamps filled with this liquid out of the reach of children"; and, by 1 December 2010, "Just a sip of lamp oil — or even sucking the wick of lamps — may lead to life- threatening lung damage"; b) grill lighter fluids, labelled with R65 or H304, intended for supply to the general public are legibly and indelibly marked by 1 December 2010 as follows: "Just a sip of grill lighter may lead to life threatening lung damage"; c) lamp oils and grill lighters, labelled with R65 or H304, intended for supply to the general public are packaged in black opaque containers not exceeding 1 litre by 1 December 2010.6. No later than 1 June 2014, the Commission shall request the European Chemicals Agency to prepare a dossier, in accordance with Article 69 of the present Regulation with a view to ban, if appropriate, grill lighter fluids and fuel for decorative lamps, labelled R65 or H304, intended for supply to the general public.7. Natural or legal persons placing on the market for the first time lamp oils and grill lighter fluids, labelled with R65 or H304, shall by 1 December 2011, and annually thereafter, provide data on alternatives to lamp oils and grill lighter fluids labelled R65 or H304 to the competent authority in the Member State concerned. Member States shall make those data available to the Commission.'
· xylene · Naphtha (petroleum), hydrodesulfurized heavy	Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to that Regulation or not.	1. Shall not be used, as substance or as mixtures in aerosol dispensers where these aerosol dispensers are intended for supply to the general public for entertainment and decorative purposes such as the following: — metallic glitter intended mainly for decoration, — artificial snow and frost, — "whoopee" cushions, — silly string aerosols, — imitation excrement, — horns for parties, — decorative flakes and foams, — artificial cobwebs, — stink bombs.2. Without prejudice to the application of other Community provisions on the classification, packaging and labelling of substances, suppliers shall ensure before the placing on the market that the packaging of aerosol dispensers referred to above is marked visibly, legibly and indelibly with: "For professional users only".3. By way of derogation, paragraphs 1 and 2 shall not apply to the aerosol dispensers referred to Article 8 (1a) of Council Directive 75/ 324/EEC.4. The aerosol dispensers referred to in paragraphs 1 and 2 shall not be placed on the market unless they conform to the requirements indicated.

Reference legislation

See column 1: 3.

See column 1: 40.

National legislation The Netherlands

Carsealer Brushgrade

Waste identification (the Netherlands)	LWCA (the Netherlands): KGA category 03
Waterbezwaarlijkheid	1

xylene

SZW - List of reprotoxic substances (development)	Possibly hazardous to the foetus

National legislation Germany

Carsealer Brushgrade

WGK	2; Classification water polluting based on the components in compliance with Verwaltungsvorschrift wassergefährdender Stoffe (VwVwS) of 27 July 2005 (Anhang 4)

xylene

TA-Luft	TA-Luft Klasse 5.2.5/I
Schwangerschaft Gruppe	D
MAK 8-Stunden-Mittelwert ppm	Xylol (alle Isomeren); 100 ppm
MAK 8-Stunden-Mittelwert mg/m³	Xylol (alle Isomeren); 440 mg/m³

Naphtha (petroleum), hydrodesulfurized heavy

TA-Luft	TA-Luft Klasse 5.2.5/I

National legislation France

Carsealer Brushgrade

No data available

National legislation Belgium

Carsealer Brushgrade

No data available

15.2 Chemical safety assessment:

No chemical safety assessment is required.

SECTION 16: Other information

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

R10 Flammable
R20/21 Harmful by inhalation and in contact with skin
R38 Irritating to skin
R51 Toxic to aquatic organisms
R52 Harmful to aquatic organisms
R53 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:

H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H332 Harmful if inhaled.
H336 May cause drowsiness or dizziness.
H411 Toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.

(*) = INTERNAL CLASSIFICATION BY BIG

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)

Specific concentration limits DSD

xylene	C ≥ 12,5 %	Xn; R20/21	Annex VI

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 and cannot be held liable for any changes by third parties. This safety data sheet is only to be used within the European Union, Switzerland, Iceland, Norway and Liechtenstein. Any use outside of this area is at your own risk. Use of this safety data sheet is subject to the licence and liability limiting conditions as stated in your BIG licence agreement or when this is failing the general conditions of BIG. All intellectual property rights to this sheet are the property of BIG and its distribution and reproduction are limited. Consult the mentioned agreement/conditions for details.