

SAFETY DATA SHEET

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

Soudal Superglue Activator

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

1.1 Product identifier:

Product name Registration number REACH Product type REACH : Soudal Superglue Activator : Not applicable (mixture) : Mixture

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

1.2.1 Relevant identified uses Adhesive: activator

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 **G** +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 **3** +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					
	Aerosol	categ <mark>ory 1</mark>	H222: Extremely flammable aerosol.					
	Aerosol	category 1	H229: Pressurised container: May burst if heated.					

Aerosol	categ <mark>ory 1</mark>	H229: Pressurised container: May burst if heated.
Skin Irrit.	categ <mark>ory 2</mark>	H315: Causes skin irritation.
STOT SE	categ <mark>ory 3</mark>	H336: May cause drowsiness or dizziness.
Aquatic Acute	categ <mark>ory 1</mark>	H400: Very toxic to aquatic life.
Aquatic Chronic	category 1	H410: Very toxic 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

F+; R12 - Extremely flammable.

Xi; R38 - Irritating to skin.

R67 - Vapours may cause drowsiness and dizziness.

N; R50-53 - Very toxic 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)



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Revision number: 0102

Publication date: 2005-11-03 Date of revision: 2015-01-08

Product number: 42863

134-15960-455-en

Signal word H-statements	Danger
H222	Extremely flammable aerosol.
H229	Pressurised container: May burst if heated.
H315	Causes skin irritation.
H336	May cause drowsiness or dizziness.
H410	Very toxic 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.
P211	Do not spray on an open flame or other ignition source.
P251	Do not pierce or burn, even after use.
P280	Wear protective gloves, protective clothing and eye protection/face protection.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P410 + P412	Protect from sunlight. Do no expose to temperatures exceeding 50 °C/ 122°F.
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







Extremely flammable

R-phrases	
38	Irritating to skin
50/53	Very <mark>toxic to aquatic organisms, may cause</mark> long-term adverse effects in the aquatic environment
67	Vapours may cause drowsiness and dizziness
S-phrases	
02	Keep <mark>out of the reach of children</mark>
16	Keep away from sources of ignition - No smoking
23	Do not breathe spray
(46)	(If swallowed, seek medical advice immediately and show this container or label)
51	Use o <mark>nly in well-ventilated areas</mark>
61	Avoid release to the environment. Refer to special instructions/safety data sheets.
Additional re	commenda <mark>tions</mark>
Pressurize	ed containe <mark>r. Protect from sunlight and do not exp</mark> ose to temperatures exceeding 50°C.
-	

Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material.

2.3 Other hazards:

CLP

May be ignited by sparks Gas/vapour spreads at floor level: ignition hazard Aerosol may explode under the effect of heat Slightly irritant to respiratory organs Slightly irritant to eyes

DSD/DPD

May be ignited by sparks Gas/vapour spreads at floor level: ignition hazard Aerosol may explode under the effect of heat Slightly irritant to respiratory organs Slightly irritant to eyes

SECTION 3: Composition/information on ingredients

3.1 Substances:

Not applicable

3.2 Mixtures:

Name REACH Registration No	CAS No EC No	Classification according to DSD/DPD	Classification according to CLP	Note	Remark
Reason for revision: ATP4		P	ublication date: 2005-11-03	}	
		D	ate of revision: 2015-01-08		
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heptane	142-82-5	C>25 %	F; R11	Flam. Liq. 2; H225	(1)(2)(10)	Constituent
01-2119457603-38	205-563-8		Xn; R65	Asp. Tox. 1; H304		
			Xi; R38	Skin Irrit. 2; H315		
			R67	STOT SE 3; H336		
			N; R50-53	Aquatic Acute 1; H400		
				Aquatic Chronic 1; H410		
N,N-dimethyl-p-toluidine	99-97-8	C<5 %	T; R23/24/25	Acute Tox. 3; H331	(1)(10)	Constituent
	202-805-4		R33	Acute Tox. 3; H311		
			R52-53	Acute Tox. 3; H301		
				STOT RE 2; H373		
				Aquatic Chronic 3; H412		
propane	74-98-6	5% <c<20< td=""><td>F+; R12</td><td>Flam. Gas 1; H220</td><td>(1)(2)(10)</td><td>Propellant</td></c<20<>	F+; R12	Flam. Gas 1; H220	(1)(2)(10)	Propellant
01-2119486944-21	200-827-9	%		Press. Gas - Liquefied gas;		
				H280		
butane	106-97-8	C>25 %	F+; R12	Flam. Gas 1; H220	(1)(2)(10)	Propellant
01-2119474691-32	203-448-7			Press. Gas - Liquefied gas;		
				H280		

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

(2) Substance with a Community workplace exposure limit

(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:

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

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:
 Slight irritation. Dry/sore throat. Coughing. EXPOSURE TO HIGH CONCENTRATIONS: Central nervous system depression. Headache. Dizziness.

 After skin contact:
 Red skin. Tingling/irritation of the skin.

 After eye contact:
 Slight irritation. Redness of the eye tissue.

 After ingestion:
 Headache. Vomiting. Abdominal pain. Diarrhoea.

 4.2.2 Delayed symptoms
 Light of the 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:

Water spray. Alcohol-resistant foam. BC powder. Carbon dioxide.

5.1.2 Unsuitable extinguishing media:

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:

If exposed to fire cool the closed containers by spraying with water. Physical explosion risk: extinguish/cool from behind cover. Do not move the load if exposed to heat. After cooling: persistant risk of physical explosion. Take account of environmentally hazardous firefighting water. Use water moderately and if possible collect or contain it.

5.3.2 Special protective equipment for fire-fighters:

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

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Revision number: 0102

	<u> </u>	pergide Activator	
SECTION 6: Accidenta	al release measures		
6.1 Personal precautions Stop engines and no smokin	b, protective equipment and er g. No naked flames or sparks. Spark- a for non-emergency personnel for emergency responders Protective clothing.	mergency procedures: nd explosionproof appliances and lighting equipment.	
6.2 Environmental preca Dam up the liquid spill. Use a	utions: appropriate containment to avoid envi	ronmental contamination.	
Take up liquid spill into abso		ng up: ance into closing containers. Carefully collect the spill/leftovers. Clean o betent authority. Wash clothing and equipment after handling.	contaminated surfaces
6.4 Reference to other se See heading 13.	ections:		
SECTION 7: Handling	and storage		
	s a general description. If applicable ar	nd available, exposure scenarios are attached in annex. Always use the	relevant exposure
		vay from naked flames/heat. Keep away from ignition sources/sparks. aminated clothing immediately.	Gas/vapour heavier
7.2.1 Safe storage requirem	50 °C. Store in a cool area. Protect agai . storage time: 1 year(s). urces. uterial:	tibilities: nst frost. Keep out of direct sunlight. Ventilation at floor level. Fireproc	of storeroom. Meet the
7.3 Specific end use(s): If applicable and availabl	e, exposure scenarios are attached in a	annex. See information supplied by the manufacturer.	
8.1 Control parameters: 8.1.1 Occupational exposur <u>a) Occupational exposur</u>	e		
The Netherlands			
n-Butaan		Time-weighted average exposure limit 8 h (Private occupational exposure limit value)	592 ppm
		Time-weighted average exposure limit 8 h (Private occupational exposure limit value)	1430 mg/m³
n-Heptaan		Time-weighted average exposure limit 8 h (Public occupational exposure limit value)	288 ppm
		Time-weighted average exposure limit 8 h (Public occupational exposure limit value)	1200 mg/m³
		Short time value (Public occupational exposure limit value)	384 ppm
		Short time value (Public occupational exposure limit value)	1600 mg/m³
EU			
n-Heptane		Time-weighted average exposure limit 8 h (Indicative occupational exposure limit value)	500 ppm
		Time-weighted average exposure limit 8 h (Indicative occupational exposure limit value)	2085 mg/m³
Belgium			
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Long-term systemic effects dermal 1.1862 mg/kg bw/day DNEL - General population Publication date: 2005-11-03	DNEL - Workers heptane Effect level (DNEL/DMEL) DNEL N.N-dimethyl-p-toluidine	Long-term systemic effect		2085 mg/m ³ 300 mg/kg bw/day	
revision: ATP4 Publication date: 2005-11-03	DNEL - Workers heptane Effect level (DNEL/DMEL) DNEL N.N-dimethyl-p-toluidine Effect level (DNEL/DMEL)	Long-term systemic effect Long-term systemic effect Type	cts dermal	2085 mg/m ³ 300 mg/kg bw/day Value Remark	
	DNEL - Workers heptane Effect level (DNEL/DMEL) DNEL N.N-dimethyl-p-toluidine Effect level (DNEL/DMEL) DNEL	Long-term systemic effect Long-term systemic effect Type Long-term systemic effect	cts dermal	2085 mg/m ³ 300 mg/kg bw/day Value Remark 1.3523 mg/m ³	
	DNEL - Workers heptane Effect level (DNEL/DMEL) DNEL N.N-dimethyl-p-toluidine Effect level (DNEL/DMEL) DNEL	Long-term systemic effect Long-term systemic effect Type Long-term systemic effect	cts dermal	2085 mg/m ³ 300 mg/kg bw/day Value Remark 1.3523 mg/m ³	
Date of revision: 2015-01-08	DNEL - Workers heptane Effect level (DNEL/DMEL) DNEL N,N-dimethyl-p-toluidine Effect level (DNEL/DMEL) DNEL DNEL - General population	Long-term systemic effect Long-term systemic effect Type Long-term systemic effect	cts dermal	2085 mg/m³ 300 mg/kg bw/day Value Remark 1.3523 mg/m³ 1.1862 mg/kg bw/day	
	DNEL - Workers heptane Effect level (DNEL/DMEL) DNEL N,N-dimethyl-p-toluidine Effect level (DNEL/DMEL) DNEL DNEL - General population	Long-term systemic effect Long-term systemic effect Type Long-term systemic effect	cts dermal	2085 mg/m³ 300 mg/kg bw/day 300 mg/kg bw/day Remark 1.3523 mg/m³ 1.1862 mg/kg bw/day Publication date: 2005-11-03 Publication date: 2005-11-03	
	DNEL - Workers heptane Effect level (DNEL/DMEL) DNEL N,N-dimethyl-p-toluidine Effect level (DNEL/DMEL) DNEL DNEL - General population	Long-term systemic effect Long-term systemic effect Type Long-term systemic effect	cts dermal	2085 mg/m³ 300 mg/kg bw/day 300 mg/kg bw/day Remark 1.3523 mg/m³ 1.1862 mg/kg bw/day Publication date: 2005-11-03 Publication date: 2005-11-03	
	DNEL - Workers heptane Effect level (DNEL/DMEL) DNEL N,N-dimethyl-p-toluidine Effect level (DNEL/DMEL) DNEL DNEL - General population	Long-term systemic effect Long-term systemic effect Type Long-term systemic effect	cts dermal	2085 mg/m³ 300 mg/kg bw/day 300 mg/kg bw/day Remark 1.3523 mg/m³ 1.1862 mg/kg bw/day Publication date: 2005-11-03 Publication date: 2005-11-03	

Effect level (DNEL/DMEL)	Туре	Value	Remark
DNEL	Long-term systemic effects inhalation	447 mg/m ³	
	Long-term systemic effects dermal	149 mg/kg bw/day	
	Long-term systemic effects oral	149 mg/kg bw/day	
N,N-dimethyl-p-toluidine			
Effect level (DNEL/DMEL)	Туре	Value	Remark
DNEL	Long-term systemic effects inhalation	0.3364 mg/m ³	
	Long-term systemic effects dermal	0.2925 mg/kg bw/day	
	Long-term systemic effects oral	2.3725 mg/m ³	
PNEC			
N,N-dimethyl-p-toluidine			
Compartments	Value	Remark	
Fresh water	0.15259 mg/l		
Marine water	0.015259 mg/l		
Aqua (intermittent rele <mark>ases)</mark>	0.15259 mg/l		
STP	4.2863 mg/l		
Fresh water sediment	45.37770249 mg/kg sedimer		
Marine water sediment	45.37770249 mg/kg sedimer	nt dw	
Soil 1.5 Control banding	18.67677186 mg/kg soil dw		
Exposure controls: he information in this section is a cenarios that correspond to your i .2.1 Appropriate engineering con	trols		
Exposure controls: he information in this section is a cenarios that correspond to your i 2.1 Appropriate engineering con Use spark-/explosionproof appl concentration in the air regular 2.2 Individual protection measur Observe normal hygiene standa) Respiratory protection: Wear gas mask with filter type	general description. If applicable and available, expo dentified use. trols iances and lighting system. Keep away from naked f y. es, such as personal protective equipment rds. Do not eat, drink or smoke during work.		
Exposure controls: he information in this section is a cenarios that correspond to your i .2.1 Appropriate engineering con Use spark-/explosionproof appl concentration in the air regular .2.2 Individual protection measur Observe normal hygiene standa <u>Respiratory protection</u> : Wear gas mask with filter type	general description. If applicable and available, expo dentified use. trols iances and lighting system. Keep away from naked f y. es, such as personal protective equipment rds. Do not eat, drink or smoke during work.		
Exposure controls: he information in this section is a cenarios that correspond to your i .2.1 Appropriate engineering con Use spark-/explosionproof appl concentration in the air regular .2.2 Individual protection measur Observe normal hygiene standa <u>Respiratory protection</u> : Wear gas mask with filter type <u>Hand protection</u> :	general description. If applicable and available, expo dentified use. trols iances and lighting system. Keep away from naked f y. es, such as personal protective equipment rds. Do not eat, drink or smoke during work.		
Exposure controls: he information in this section is a cenarios that correspond to your i 2.1 Appropriate engineering con Use spark-/explosionproof appl concentration in the air regular 2.2 Individual protection measur Observe normal hygiene standa <u>Respiratory protection</u> : Wear gas mask with filter type of <u>Hand protection</u> : <u>Gloves</u> .	general description. If applicable and available, expo dentified use. trols iances and lighting system. Keep away from naked f y. es, such as personal protective equipment rds. Do not eat, drink or smoke during work. A if conc. in air > exposure limit.	ilames/heat. Keep away from ignitio	
Exposure controls: he information in this section is a cenarios that correspond to your i 2.1 Appropriate engineering con Use spark-/explosionproof appl concentration in the air regular 2.2 Individual protection measur Observe normal hygiene standa Respiratory protection: Wear gas mask with filter type of Hand protection: Gloves. Materials nitrile rubber materials (good resistance) Nitrile rubber.	general description. If applicable and available, expo dentified use. trols iances and lighting system. Keep away from naked f y. es, such as personal protective equipment irds. Do not eat, drink or smoke during work. A if conc. in air > exposure limit. Breakthrough time	iames/heat. Keep away from ignition	
Exposure controls: he information in this section is a cenarios that correspond to your i 2.1 Appropriate engineering con Use spark-/explosionproof appl concentration in the air regular 2.2 Individual protection measur Observe normal hygiene standa (Respiratory protection: Wear gas mask with filter type of Hand protection: Gloves. Materials nitrile rubber materials (good resistance) Nitrile rubber. Eye protection: Protective goggles.	general description. If applicable and available, expo dentified use. trols iances and lighting system. Keep away from naked f y. es, such as personal protective equipment irds. Do not eat, drink or smoke during work. A if conc. in air > exposure limit. Breakthrough time	iames/heat. Keep away from ignition	
Exposure controls: he information in this section is a cenarios that correspond to your i .2.1 Appropriate engineering con Use spark-/explosionproof appl concentration in the air regular .2.2 Individual protection measur Observe normal hygiene standa) Respiratory protection: Wear gas mask with filter type of) Hand protection: Gloves. Materials nitrile rubber materials (good resistance) Nitrile rubber. Eve protection: Protective goggles.) Skin protection: Protective clothing.	general description. If applicable and available, expo dentified use. trols iances and lighting system. Keep away from naked f y. es, such as personal protective equipment irds. Do not eat, drink or smoke during work. A if conc. in air > exposure limit. Breakthrough time >480 minutes	iames/heat. Keep away from ignition	
Exposure controls: he information in this section is a cenarios that correspond to your i .2.1 Appropriate engineering con Use spark-/explosionproof appl concentration in the air regular .2.2 Individual protection measur Observe normal hygiene standa) Respiratory protection: Wear gas mask with filter type of) Hand protection: Gloves. Materials nitrile rubber materials (good resistance) Nitrile rubber.) Eye protection: Protective goggles.) Skin protection: Protective clothing. .2.3 Environmental exposure con See headings 6.2, 6.3 and 13	general description. If applicable and available, expo dentified use. trols iances and lighting system. Keep away from naked f y. es, such as personal protective equipment irds. Do not eat, drink or smoke during work. A if conc. in air > exposure limit. Breakthrough time >480 minutes	iames/heat. Keep away from ignition	

Physical form	Aerosol
Odour	Characteristic odour
Odour threshold	No data available
Colour	Colourless to light yellow
Particle size	No data available
Explosion limits	1.05 - 6.7 vol %
Flammability	Extremely flammable aerosol.
Log Kow	Not applicable (mixture)
Dynamic viscosity	1 mPa.s ; 20 °C
Kinematic viscosity	1 mm ² /s ; 20 °C
Melting point	No data available
Boiling point	-140 - 99 °C
Flash point	Not applicable
Evaporation rate	4.3 ; butyl acetate
Relative vapour density	No data available
Vapour pressure	460 hPa ; 20 °C
Solubility	water ; insoluble
Relative density	0.8
Decomposition tempera <mark>ture</mark>	No data available
Reason for revision: ATP4	Publication date: 2005-11-03
	Date of revision: 2015-01-08

		<u> </u>	a supe	rgiue A	ctivator		
Auto-ignition ter	nperatur <mark>e</mark>		5°C				
Explosive proper	ties				plosive properties		
Oxidising proper	ties			issociated with ox	idising properties		
рН		No	data available	_			
9.2 Other informat	tion:						
Absolute density	1	650) kg/m ³				
SECTION 10: Stal	ollity and	a reactivity					
10.1 Reactivity: May be ignited b	y sparks <mark>. Gas/v</mark>	vapour spreads at flo	or level: ignition h	າazard. No data aາ	vailable.		
10.2 Chemical stab Unstable on expo							
10.3 Possibility of I No data available		eactions:					
10.4 Conditions to Use spark-/explo		liances and lighting s	ystem. Keep away	/ from naked flam	es/heat. Keep away fror	m ignition sources/spa	rks.
10.5 Incompatible No data available	materials:						
10.6 Hazardous de							
Upon combustio	n: CO and CO2	are formed.					
SECTION 11: Tox	icologica	linformatid	n				
			511				
11.1 Information o	on toxic <mark>olog</mark>	ical effects:					
11.1.1 Test results							
Acute toxicity							
-							
Soudal Superglue Activate		ath a d	lahua.	Furne en une Alue e	Crasica	Value D	
Route of exposure	Parameter M	ethod V	alue	Exposure time		Value Re determination	emark
Oral	LD50	>	5000 mg/kg bw		Rat	Calculated value	
heptane]
Route of exposure	e Parameter		Value	Exposure tim	ne Species	Value determination	Remark
Oral	LD50	Equivalent to OECD 401			Rat (male/female		
Dermal	LD50	Equivalent to OECD 402	>2000 mg/kg b	w 24 h	Rabbit (male/female)	Read-across	
Inhalation (vapour	s) LC50	Equivalent to OECD	>29.29 mg/l air	· 4 h	Rat (male/female)	e) Experimental value	e
		403					
N,N-dimethyl-p-toluid		D d a tha al	Malua	Fun a suma Aim	a Crasica	Mahua	Demonstr
Route of exposure		Method	Value	Exposure tin		Value determination	Remark
Oral	LD50		980 mg/kg bw		Rat	Weight of evidenc	e
Oral Dermal	LD50	Equivalent to OECD 402	category 3 >2000 mg/kg b	w	Rabbit (male/female)	Annex VI Weight of evidenc	e
Dermal			category 3			Annex VI	
Inhalation			category 3			Annex VI	
Judgement is based or	n the rel <mark>evant i</mark>	ngredients					
Conclusion							
Not classified for acute	etoxicity						
Corrosion/irritation							
Soudal Superglue Activato	.r.						
No (test)data on the m	_	e					
heptane							
Route of exposure	Result	Method	Exposure tin	ne Time poin	it Species	Value determination	Remark
Еуе	Not irritating	Equivalent to OECD 405		24; 48; 72		Read-across	Single treatment
Skin	Irritating	Equivalent to OECD 404	24 h	72 hours	Rabbit	Read-across	
L							
Reason for revision: ATP4					Publication date:	2005-11-03	
					Date of revision:	2015-01-08	
Revision number: 0102					Product number:	42863	7 / 15

	Soudal Superglue Activator												
N.N-di	imethyl-p-toluidi	ne											
	ute of exposure			Method		Exposi	ure time	Tim	e point	Species	Value		Remark
	••••											ination	
Eye	2	Not irrita	iting							Rabbit	QSAR		
Skir		Not irrita		OECD 404						Rabbit	QSAR		
	ication is based o	on the rel	levant i	ingredients									
Conclus	s skin irritation.												
	assified as irritati	ng to the	eves										
	Not classified as irritating to the respiratory system												
	/ or skin sensitisa												
nospiratory													
	perglue Activato												
No (te	ailable												
heptar				0.4 - 4 1						C			Demonde
Rout	te of exposure	esult		Method		Exposu	retime	poin		Species	value det	ermination	Remark
Skin	N	lot sens <mark>it</mark>	izing	Equivalent to	OFCD					Guinea pig	Read-acro	\$5	
J. J				406	0200			, .		(male/female)			
N,N-di	imethyl-p-toluidi	ne											
Rout	te of exposure	lesult		Method		Exposu	re time			Species	Value det	ermination	Remark
<u>.</u>								poin			0010		
Skin	r i	lot sensit	tizing							Rabbit (male/female)	QSAR		
ludger	ment is based on	the relev	vant ing	gredients						(male/remale)	-		
Conclus				Brediento									
Not cla	assified as sensiti	zing for s	skin										
	assified as sensiti	-		on									
Specific tar	get organ toxicity	y											
Soudal Su	perglue Activato	r											
	t)data on the mix	_	lable										
heptar	ne												
	oute of exposure	Parame	ter N	/lethod	Value		Organ		Effect	Exposure time	Spec	ies	Value
							- J.						determination
Inł	halation	NOAEC	S	ubchronic	12470 r	ng/m³	Central ner	vous	No effect	16 weeks (daily)	Rat (male)	Experimental
· · ·	apours)			oxicity test	air		system						value
	halation	NOAEC		ubchronic	12470 r	ng/m³	General		No adverse	16 weeks (daily) Rat (n		male)	Experimental
(va	apours)	systemic effects	c to	oxicity test	air				systemic effects	5			value
Int	halation	enects			STOT SE	cat 3	Central ner	VOUS	Drowsiness,		Hum	n	Literature study
	lalation					. cat.5	system		dizziness				Literature study
N,N-di	imethyl-p-toluidi	ne					,						
	oute of exposure		ter N	/lethod	Value		Organ		Effect	Exposure time	Spec	ies	Value
										-			determination
Or	al	LOEL			201.79						Rat		QSAR
_					bw/day						(mal	e/female)	
	ermal				STOT RE	cat.2			_				Annex VI
	ermal halation	LOEL			67.28 m	ng/kg					Rat		Data waiving QSAR
	apours)	LUEL			bw/day	0. 0						e/female)	QJAN
	fication is based of	on the rel	levant i	ingredients	.,						ai		1
Conclus				0									
May ca	ause drowsiness	or dizzine	ess.										
Not cla	assified for subch	ironic tox	kicity										
Mutagenici	ity (in vitro)												
wutayenici	ity (iii vitio)												
	perglue Activato	_											
No (te	st)data on the m	ixture av	ailable				· `						
<u>heptar</u>													
	esult		Met				Test substra			fect		Value dete	
	egative			ivalent to OEC			Bacteria (S.t	**		o effect		Experiment	
	egative			ivalent to OEC	J 473		Rat liver cell			o effect		Experiment	
	egative		OFC	CD 476			Human lymp	unocy	ites No	o effect	_	Read-acros	\$
	imethyl-p-toluidi esult	ne	Met	thod			Test substra	ate	Ef	fect	-	Value dete	rmination
	egative		iviet	nou			Chinese han			1001		Weight of e	
140							fibroblasts	Julia	B				
	TOURS ATDA										05 44 02	1	
Reason for	revision: ATP4									iblication date: 20			
									Da	ate of revision: 20	15-01-08		
.											0.00		- / · -
Revision nu	mber: 0102								Pr	oduct number: 42	2863		8/15

Mutagenicity (in vivo)

Soudal Superglue Activator No (test)data on the mixture available

Carcinogenicity

Soudal Superglue Activator

No (test)data on the mixture available

<u>heptane</u>

Route of	Parameter	Method	Value	Exposure time	Species	Value	Organ	Effect
exposure						determination		
Inhalation						Data waiving		
Dermal						Data waiving		
Oral						Data waiving		

Reproductive toxicity

Soudal Superglue Activator

No (test)data on the mixture available

heptane

	Parameter	Method	Value	Exposure time	Species	Effect	Organ	Value determination
Developmental toxicity	NOAEL	Equivalent to OECD 414	10560 mg/m ³ air	10 days (6h/day)	Mouse	No effect	Foetus	Read-across
	NOAEL	Equivalent to OECD 414	31680 mg/m ³ air	10 days (6h/day)	Mouse	Minor skeletal variations	Foetus	Read-across
Maternal toxicity	NOAEL	Equivalent to OECD 414	3168 mg/m ³ air	10 days (6h/day)	Mouse	No effect		Read-across
	LOAEL	Equivalent to OECD 414	10560 mg/m ³ air	10 days (6h/day)	Mouse	Lung tissue affection/degen eration	Lungs	Read-across
Effects on fertility	NOAEL	Equivalent to OECD 416	31680 mg/m ³ air		Rat (male/female)	No effect		Read-across
-dimethyl-p-toluidine								

	Parameter	Method	Value	Exposure time	Species	Effect	- J.	Value determination
Effects on fertility	LOAEL (F2)		<mark>72097</mark> mg/kg		Rat			QSAR
			<mark>bw/da</mark> y		(male/female)			

Judgement is based on the relevant ingredients

Conclusion CMR

Not classified for reprotoxic or developmental toxicity Not classified for mutagenic or genotoxic toxicity Not classified for carcinogenicity

Chronic effects from short and long-term exposure

Soudal Superglue Activator No effects known.

SECTION 12: Ecological information

12.1 Toxicity:

Soudal Superglue Activator No (test)data on the mixture available

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heptane								
	Parameter	Method	Value	Duration	Species		Fresh/salt water	Value determination
Acute toxicity fishes	LL50		5.738 mg/l	96 h	Oncorhynchus mykiss		Fresh water	QSAR; Nominal concentration
Acute toxicity invertebrates	LC50	Other	0.2 mg/l	96 h	Chaetogammarus marinus	Semi-static system	Salt water	Experimental value; Locomotor effect
	LC50	Other	0.1 mg/l	96 h		Semi-static system	Salt water	Experimental value
Toxicity algae and other aquation plants	EL50		4.338 mg/l	72 h	Pseudokirchnerie lla subcapitata		Fresh water	QSAR; Biomass
Long-term toxicity fish	NOELR		1.284 mg/l	28 day(s)	Oncorhynchus mykiss		Fresh water	QSAR; Growth rate
Long-term toxicity aquatic invertebrates	NOEC	OECD 211	0.17 mg/l	21 day(s)	Daphnia magna	Static system	Fresh water	Read-across; GLP
Toxicity aquatic micro- organisms	EL50		22.6 mg/l	48 h	Tetrahymena pyriformis		Fresh water	QSAR; Nominal concentration
N,N-dimethyl-p-toluidine								
	Parameter	Method	Value	Duration	Species		Fresh/salt water	Value determination
Acute toxicity fishes	LC50		46 mg/l	96 h	Pimephales promelas		Fresh water	Experimental value; Lethal
Acute toxicity invertebrates	LC50	ECOSAR	15.26 mg/l	48 h	Daphnia magna			QSAR
Toxicity algae and other aquation plants	EC50		24.3 mg/l	72 h	Pseudokirchnerie Ila subcapitata	Flow-through system	Fresh water	QSAR
Long-term toxicity fish	LC50	ECOSAR	24.89 mg/l	14 day(s)				QSAR
Toxicity aquatic micro- organisms	EC50		42.86 mg/l	48 h	Tetrahymena pyriformis		Fresh water	QSAR

Classification of the mixture is based on the relevant ingredients and on application of the summation method

Conclusion

Very toxic to aquatic life with long lasting effects.

12.2 Persistence and degradability:

heptane	

Biodegradation water			
Method	Value	Duration	Value determination
Other	70 %; Oxygen cons	umption 10 day(s)	Experimental value
Phototransformation air (D	T50 air)		
Method	Value	Conc. OH-radicals	Value determination
SRC AOP v1.92	18.68 h	1.5E6 /cm ³	Calculated value
I,N-dimethyl-p-toluidine			
Biodegradation water			
Method	Value	Duration	Value determination
EPA OPPTS 835.3210	50 %	38 day(s)	Calculated value
Phototransformation air (D	T50 air)		
Method	Value	Conc. OH-radicals	Value determination
EPA N 161-2	0.079 day(s)	0 /cm ³	

Conclusion

Contains non readily biodegradable component(s)

12.3 Bioaccumulative potential:

Method		Remark		Value	Те	mperature	Value determin	ation
		Not applic	able (mixture)					
<u>heptane</u>								
BCF other aquation	c organisms	5						
Parameter	Metho		Value	Duration	Species		Value de	termination
BCF	BCFBA	F v3.00	552				Calculate	ed value
Log Kow								
Method		Remai	ĸ	Value		Temperature	Value deter	mination
				4.66			Experimenta	al value
				4.5			Literature st	udy
on for revision: ATP	4					Publication date:	: 2005-11-03	
						Date of revision:	2015-01-08	
sion number: 0102						Product number:	. 43963	10,

		_					J				
N,N-dimethyl-p-tolu	uidine										
BCF fishes											
Parameter	Me	thod	od Value D			uration Species				Value determination	
BCF	EPA	OTS 7	97.1520) 33			Pisces				Calculated value
Log Kow						•					
Method			Remark	ĸ	Va	lue		Temper	ature		Value determination
Equivalent to O	ECD 107	,			1.7	29		35 °C			Experimental value
Conclusion											
Contains bioaccumu	ulative c	ompor	nent(s)								
12.4 Mobility in	soil										
heptane	5011.										
(log) Koc											
Parameter						Method	1		Value		Value determination
log Koc		_				SRC PCKOCWIN v2.0			2.38		Calculated value
Percent distributi	on					pheren			2.30		calculated value
Method	-	ction a	ir	Fraction biota	Fraction		Fraction soil	Fraction	water	Value dete	ermination
Method	114	stion a			sedimer			ridetion	Water	Value dett	
Mackay level III	79 9	%		0 %	10 %	1	3.8 %	7.8 %		Calculated	l value
N,N-dimethyl-p-tolu	uidine										
(log) Koc											
Parameter		_				Method	ł		Value		Value determination
log Koc						SRC PCK	OCWIN v2.0		2.1		Calculated value
Volatility (Henry's	s Law co	onstant	: H)								
Value		N	lethod		Tem	perature	•	Remark			Value determination
9.58 atm m ³ /mo	bl	SI	RC HEN	RYWIN v3.20	25 °(Ċ					QSAR
Conclusion											
No straightforward	conclus	ion <mark>can</mark>	be drav	wn based upon t	he availat	ole nume	rical values				
12.5 Results of P	RT and	d v <mark>Pv</mark> l	R asse	ssment							
Does not contain co					f PBT and	or vPvB	as listed in Anne	x XIII of Re	gulation (EC) No 190	7/2006.
	•	• /			,				5	,	.,
12.6 Other adver		ects:									
Soudal Superglue Activ											
Global warming pote							(D	1 (FC) N		1 4)	
None of the known co			nciuded	i in the list of flue	orinated g	reennous	se gases (Regula	tion (EC) N	0 51//20	14)	
Ozone-depleting pot						005 /2000					
Not classified as dang	gerous to	or the C	ozone ia	iyer (Regulation		05/2009	0				
hantana											
<u>heptane</u>											

Global warming potential (GWP)

Not included in the list of fluorinated greenhouse gases (Regulation (EC) No 517/2014)

N,N-dimethyl-p-toluidine

Global warming potential (GWP)

Not included in the list of fluorinated greenhouse gases (Regulation (EC) No 517/2014)

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 04 09* (wastes from MFSU of adhesives and sealants (including waterproofing products): waste adhesives and sealants 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

Specific treatment. 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. 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).

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Publication date: 2005-11-03 Date of revision: 2015-01-08

Revision number: 0102

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TION 14: Transport information	
Road (ADR)	
14.1 UN number:	
UN number	1950
14.2 UN proper shipping name:	
Proper shipping name	Aerosols
14.3 Transport hazard class(es):	
Hazard identification nu <mark>mber</mark>	
Class	2
Classification code	5F
14.4 Packing group:	
Packing group	
Labels	2.1
14.5 Environmental hazards	
Environmentally hazardous substance mark	ves
14.6 Special precautions for user:	
Special provisions	190
Special provisions	327
Special provisions	344
Special provisions	625
Limited quantities	Combination packagings: not more than 1 liter per inner packaging for
	liquids. A package shall not weigh more than 30 kg. (gross mass)
Rail (RID)	
14.1 UN number:	
	4050
UN number	1950
14.2 UN proper shipping name:	
Proper shipping name	Aerosols
14.3 Transport hazard class(es):	
Hazard identification number	23
Class	2
Classification code	5F
14.4 Packing group:	
Packing group	2.1
Labels	2.1
14.5 Environmental hazards:	
Environmentally hazardo <mark>us substance mark</mark>	yes
14.6 Special precautions for user:	
Special provisions	190
Special provisions	327
Special provisions	344
Special provisions	625
Limited quantities	Combination packagings: not more than 1 liter per inner packaging for
	liquids. A package shall not weigh more than 30 kg. (gross mass)
	······································
nland waterways (ADN)	
14.1 UN number:	
UN number	1950
14.2 UN proper shipping name:	
Proper shipping name	Aerosols
	nei loolio
14.3 Transport hazard class(es):	
Class	2
Classification code	5F
14.4 Packing group:	
Packing group	
Labels	2.1
14.5 Environmental hazards:	
Environmentally hazardous substance mark	ves
	и ~
14.6 Special precautions for user:	190
14.6 Special precautions for user: Special provisions	190
14.6 Special precautions for user: Special provisions Special provisions	327
14.6 Special precautions for <mark>user: Special provisions Special provisions Special provisions Special provisions </mark>	327 344
14.6 Special precautions for user: Special provisions Special provisions Special provisions Special provisions Special provisions Special provisions	327 344 625
14.6 Special precautions for <mark>user: Special provisions Special provisions Special provisions Special provisions </mark>	327 344
14.6 Special precautions for user: Special provisions Special provisions Special provisions Special provisions Special provisions Special provisions	327 344 625
14.6 Special precautions for user: Special provisions Special provisions Special provisions Special provisions Limited quantities	327 344 625 Combination packagings: not more than 1 liter per inner packaging for
14.6 Special precautions for user: Special provisions Special provisions Special provisions Special provisions Special provisions Special provisions	327 344 625 Combination packagings: not more than 1 liter per inner packaging for
14.6 Special precautions for user: Special provisions Special provisions Special provisions Special provisions Limited quantities	327 344 625 Combination packagings: not more than 1 liter per inner packaging for
14.6 Special precautions for user: Special provisions Special provisions Special provisions Special provisions Limited quantities	327 344 625 Combination packagings: not more than 1 liter per inner packaging for
14.6 Special precautions for user: Special provisions Special provisions Special provisions Special provisions Limited quantities	327 344 625 Combination packagings: not more than 1 liter per inner packaging for liquids. A package shall not weigh more than 30 kg. (gross mass) Publication date: 2005-11-03
14.6 Special precautions for user: Special provisions Special provisions Special provisions Special provisions Limited quantities	327 344 625 Combination packagings: not more than 1 liter per inner packaging for liquids. A package shall not weigh more than 30 kg. (gross mass)
14.6 Special precautions for user: Special provisions Special provisions Special provisions Special provisions Limited quantities	327 344 625 Combination packagings: not more than 1 liter per inner packaging for liquids. A package shall not weigh more than 30 kg. (gross mass) Publication date: 2005-11-03

ooddal o	
14.1 UN number:	
UN number	1950
14.2 UN proper shipping name:	
Proper shipping name	Aerosols
14.3 Transport hazard class(es):	
Class	2.1
14.4 Packing group:	
Packing group	
Labels	2.1
14.5 Environmental hazards:	
Marine pollutant	Р
Environmentally hazardous substance mark	yes
14.6 Special precautions for user:	
Special provisions	63
Special provisions	190
Special provisions	277
Special provisions	327
Special provisions	344
Special provisions	959
Limited quantities	Combination packagings: not more than 1 liter per inner packaging for liquids. A package shall not weigh more than 30 kg. (gross mass)
14.7 Transport in bulk according to Annex II of MARPOL 73/78	
Annex II of MARPOL 73/78	Not applicable
r (ICAO-TI/IATA-DGR)	
14.1 UN number:	
UN number	1950
14.2 UN proper shipping name:	
Proper shipping name	Aerosols, flammable
14.3 Transport hazard class(es):	
Class	2.1
14.4 Packing group:	
Packing group	
Labels	2.1
14.5 Environmental hazards:	
Environmentally hazardous substance mark	yes
14.6 Special precautions for user:	
Special provisions	A145
Special provisions	A167
Special provisions	A802
Passenger and cargo transport: limited quantities: maximu	
per packaging	
<u>h t00</u>	

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
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	· ·			· .
VOC content		Remark		
100 %				
VOC content Directive 20	004/42/EC			
609.8 g/l				
REACH Annex XVII - Rest	riction			
Contains component	(s) subject to restrictions of Annex XVII of F	Regulation (EC) No 1907/20	06: restrictions on the manuf	facture, placing on the market
and use of certain da	ngerous substances, mixtures and articles.			
	Designation of the substance, of the gro	oup of Conditions of restrictio	n	
	substances or of the mixture Liquid substances or mixtures which are	e 1. Shall not be used in:		
• heptane				
· N,N-dimethyl-p-toluidine	regarded as dangerous in accordance w Directive 1999/45/EC or are fulfilling the		intended to produce light or color ornamental lamps and ashtrays,	ur effects by means of different
	criteria for any of the following hazard of		omanientai lamps and asittays,	
	or categories set out in Annex I to Regu		ore participants, or any article inte	ended to be used as such, even with
	(EC) No 1272/2008:			raph 1 shall not be placed on the
	(a) hazard classes 2.1 to 2.4, 2.6 and 2.7		placed on the market if they cont	ain a colouring agent, unless
	types A and B, 2.9, 2.10, 2.12, 2.13 cate			
	and 2, 2.14 categories 1 and 2, 2.15 type		n decorative oil lamps for supply	to the general public, and, 5 or H304,4. Decorative oil lamps
	(b) hazard classes 3.1 to 3.6, 3.7 adverse			he market unless they conform to
	(1), 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	· · · · · · · · · · · · · · · · · · ·		
Reason for revision: ATP4			Publication date: 2005-11-03	
			Date of revision: 2015-01-08	
Revision number: 0102			Product number: 42863	13/15

Soudal Superglue Activator	
effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10; (c) hazard class 4.1; (d) hazard class 5.1. (d) hazard class 5.1. (e) hazard class 5.1. (f) hazard class 6.1. (f) hazard class	s the ibly, ch of of c are ay ral 10.6. cy to o 1, set
 heptane Substances classified as flammable gases category 1 or 2, flammable liquids categoris 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. Shall not be used, as substance or as mixtures in aerosol dispensers where these aero dispensers are intended for supply to the general public for entertainment and decoratin purposes such as the following: — metallic glitter intended mainly for decoration, — artificial snow and frost, — 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 o 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 marl visibly, legibly and indelibly with: "For professional users only".3. By way of derogation, paragraphs 1 and 2 shall not apply the aerosol dispensers referred to in paragraphs 1 and 2 shall not be placed on the market unless they conform to the requirements indicated. 	ve n e ked
National legislation The Netherlands Soudal Superglue Activator Waste identification (the Netherlands): KGA category 06 Netherlands) Waterbezwaarlijkheid Waterbezwaarlijkheid 6 National legislation Germany	
Soudal Superglue Activator WGK 2; Classification water polluting based on the components in compliance with Verwaltungsvorschrift wassergefährden Stoffe (VwVwS) of 27 July 2005 (Anhang 4)	der
heptane	
Schwangerschaft Grup <mark>pe D</mark>	
MAK 8-Stunden-Mittelwert n-Heptan; 500 ppm ppm	
MAK 8-Stunden-Mittelwert n-Heptan; 2100 mg/m ³ mg/m ³	
TA-Luft 5.2.5; I	
N.N-dimethyl-p-toluidine TA-Luft 5.2.5; I	
National legislation France Soudal Superglue Activator No data available National legislation Belgium Soudal Superglue Activator No data available Other relevant data Soudal Superglue Activator No data available Other relevant data Soudal Superglue Activator No data available 15.2 Chemical safety assessment:	
No chemical safety assessment is required. Reason for revision: ATP4 Publication date: 2005-11-03 Date of revision: 2015-01-08	
Revision number: 0102 Product number: 42863 14/	15

	Juuai Ju	uper giue		
CTION 16: Oth	er information			
	rases referred to under headings 2 and 3:			
R23/24/25 Toxi	c by inhalation, in contact with skin and if sy	vallowed		
	umulative effects			
R38 Irritating to				
R50 Very toxic t	o aquatic organisms			
R52 Harmful to	aquatic organisms			
R53 May cause	long-term adverse effects in the aquatic en	vironment		
R65 Harmful: m	ay cause lung damage if swallowed			
R67 Vapours m	ay cause drowsiness and dizziness			
Full text of any H-st	atements referred to under headings 2 and	3:		
H220 Extremely	flammable gas.			
H222 Extremely	flammable aerosol.			
H225 Highly fla	nmable liquid and vapour.			
H229 Pressurise	ed container: May burst if heated.			
H280 Contains	gas unde <mark>r pressure; may explode if heated.</mark>			
H301 Toxic if sv	vallowed.			
H304 May be fa	tal if swallowed and enters airways.			
H311 Toxic in c				
H315 Causes sk				
H331 Toxic if in	haled.			
	e drowsiness or dizziness.			
	e damag <mark>e to organs through prolonged or r</mark>	epeated exposure.		
H400 Very toxic	•			
	to aquatic life with long lasting effects.			
H412 Harmful t	o aquatic life with long lasting effects.			
(*) = INTERNAL (LASSIFICATION BY BIG			
PBT-substances	= persistent, bioaccumulative and toxic subs	stances		
DSD E	Dangerous Substance Directive			
DPD [Dangerous Preparation Directive			
CLP (EU-GHS)	Classification, labelling and packaging (Globa	ally Harmonised Syst	em in Europe)	
Specific concentrati	on limits DSD			
Specific concentration			T. D22/24/25	
N,N-dimethyl-p-	toiulaine	C ≥ 5 %	T; R23/24/25	DSD Annex VI (ATP

N,N-dimethyl-p-toluidine		C≥5%		T; R23/24/25	DSD Annex VI (ATP 0)
			5 %	Xn; R20/21/22	DSD Annex VI (ATP 0)
	.				

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.

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