

SAFETY DATA SHEET

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

Soudafoam 2K

non 1. luell	uncation of	the substance/mixt	ure and of the company/undertaking	
1 Product identif		Courte Court OK		
Product name		: Soudafoam 2K		
Product type REACH		: Mixture		
2 Relevant identi	ified uses of the	substance or mixture and u	ses advised against:	
1.2.1 Relevant ident Adhesive	<u>tified uses</u>			
Sealing compour	nd			
polyurethane	iu .			
poryarethane				
1.2.2 Uses advised a No uses advised				
.3 Details of the s	supplier of the sa	afety data sheet:		
Supplier of the safet	ty data sheet			
SOUDAL N.V.				
Everdongenlaan 1 B-2300 Turnhout				
2 +32 14 42 42 3				
+32 14 42 65 14				
msds@soudal.cor	m			
Manufacturer of the	e product			
SOUDAL N.V.	<u>. p. c a a c c</u>			
Everdongenlaan 1				
B-2300 Turnho 2 +32 14 42 42 3				
+32 14 42 65 14				
msds@soudal.cor	m			
TION 2: Haza	ards identific	cation		
.1 Classification o	of the substance	or mixture:		
		ion EC No 1272/2008 the criteria of Regulation (EC) No 12	72/2008	
Class	Category		12/2000	
		Hazard statements		
Aerosol	category 1	Hazard statements H222: Extremely flammable ae	rosol.	
Aerosol Aerosol	···· j· j			
Aerosol Acute Tox.	category 1 category 1 category 4	H222: Extremely flammable ae H229: Pressurised container: N H332: Harmful if inhaled.	lay burst if heated.	
Aerosol Acute Tox. STOT RE	category 1 category 1 category 4 category 2	H222: Extremely flammable ae H229: Pressurised container: N H332: Harmful if inhaled. H373: May cause damage to o	lay burst if heated. gans through prolonged or repeated exposure if inhaled.	
Aerosol Acute Tox. STOT RE Eye Irrit.	category 1 category 1 category 4 category 2 category 2	H222: Extremely flammable ae H229: Pressurised container: N H332: Harmful if inhaled. H373: May cause damage to o H319: Causes serious eye irrita	lay burst if heated. gans through prolonged or repeated exposure if inhaled. tion.	
Aerosol Acute Tox. STOT RE Eye Irrit. STOT SE	category 1 category 1 category 4 category 2 category 2 category 3	H222: Extremely flammable ae H229: Pressurised container: N H332: Harmful if inhaled. H373: May cause damage to o H319: Causes serious eye irrita H335: May cause respiratory ir	lay burst if heated. gans through prolonged or repeated exposure if inhaled. tion.	
Aerosol Acute Tox. STOT RE Eye Irrit. STOT SE Skin Irrit.	category 1 category 1 category 4 category 2 category 2 category 3 category 2	 H222: Extremely flammable ae H229: Pressurised container: N H332: Harmful if inhaled. H373: May cause damage to o H319: Causes serious eye irrita H335: May cause respiratory ir H315: Causes skin irritation. 	lay burst if heated. gans through prolonged or repeated exposure if inhaled. tion. ritation.	
Aerosol Acute Tox. STOT RE Eye Irrit. STOT SE Skin Irrit. Resp. Sens.	category 1 category 1 category 4 category 2 category 2 category 3 category 2 category 2 category 1	 H222: Extremely flammable ae H229: Pressurised container: N H332: Harmful if inhaled. H373: May cause damage to o H319: Causes serious eye irrita H335: May cause respiratory ir H315: Causes skin irritation. H334: May cause allergy or ast 	lay burst if heated. gans through prolonged or repeated exposure if inhaled. tion. ritation. hma symptoms or breathing difficulties if inhaled.	
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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 polymethylene polyphenyl isocyanate.

Signal word	Danger
H-statements	
H222	Extremely flammable aerosol.
H229	Pressurised container: May burst if heated.
H351	Suspected of causing cancer.
H332	Harmful if inhaled.
H373	May cause damage to organs through prolonged or repeated exposure if inhaled.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H315	Causes skin irritation.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H317	May cause an allergic skin reaction.
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.
P284	Wear respiratory 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.
Supplemental information	on de la constante de la consta
	- Persons already sensitised to disocyanates may develop allergic reactions when using this product

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.

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.

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

Labels





Contains: polymethylene polyphenyl isocyanate

R-phrases			
20	Harmful by inhalation		
36/37/38	Irritating to eyes, respiratory system and ski	n	
40	Limited evidence of a carcinogenic effect		
42/43	May cause sensitisation by inhalation and s	kin contact	
48/20	Harmful: danger of serious damage to healt	h by prolonged exposure through inhalation	
S-phrases			
02	Keep out of the reach of children		
16	Keep away from sources of ignition - No sm	oking	
23	Do not breathe spray		
36/37	Wear suitable protective clothing and glove	S	
45	In case of accident or if you feel unwell, see	k medical advice immediately (show the label where possible)	
51	Use only in well-ventilated areas		
(63)	(In case of accident by inhalation: remove c	asualty to fresh air and keep at rest)	
Additional recomm	nendations		
Pressurized cor	ntainer. Protect from sunlight and do not exp	ose to temperatures exceeding 50°C.	
Do not pierce o	r burn, even after use.		
Reason for revision: ATP4		Publication date: 2005-04-27	
		Date of revision: 2014-03-17	
Revision number: 0501		Product number: 42122	2/15

Do not spray on a naked flame or any incandescent material.

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.

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

DSD/DPD

May be ignited by sparks

Gas/vapour spreads at floor level: ignition hazard Aerosol may explode under the effect of heat

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
tris(2-chloro-1-methylethyl) pho 2119447716-31)	sphate (01-	13674-84-5 237-158-7	1% <c<25 %</c<25 	Xn; R22	Acute Tox. 4; H302	(1)(10)	Constituent
polymethylene polyphenyl isocy	anate (-)	9016-87-9		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)(10)	Constituent
propane (-)		74-98-6 200-827-9	1% <c<10 %</c<10 		Flam. Gas 1; H220 Press. Gas - Liquefied gas; H280	(1)(2)(10)	Propellant
isobutane (-)		75-28-5 200-857-2	1% <c<10 %</c<10 		Flam. Gas 1; H220 Press. Gas - Liquefied gas; H280	(1)(2)(10)	Propellant
dimethyl ether (01-2119472128	-37)	115-10-6 204-065-8	1% <c<10 %</c<10 		Flam. Gas 1; H220 Press. Gas - Liquefied gas; H280	(1)(2)(10)	Propellant
(1,3-butadiene, conc<0.1%) (-)							

(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:

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

After skin contact:

Wash immediately with lots of water. Take victim to a doctor if irritation persists.

After eye contact:

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

After ingestion:

Rinse mouth with water. Immediately after ingestion: give lots of water to drink. Do not induce vomiting. Consult a doctor/medical service if you feel unwell.

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

Reason for revision: ATP4

Publication date: 2005-04-27 Date of revision: 2014-03-17

4.2.1 Acute symptoms

After inhalation:

Dry/sore throat. Coughing. Irritation of the respiratory tract. Irritation of the nasal mucous membranes. Runny nose. FOLLOWING SYMPTOMS MAY APPEAR LATER: Possible inflammation of the respiratory tract. Risk of lung oedema. Respiratory difficulties.

After skin contact:

Tingling/irritation of the skin.

After eye contact:

Irritation of the eye tissue. Lacrimation.

After ingestion:

Not applicable.

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:

Polyvalent foam. Water spray. BC powder. Carbon dioxide.

5.1.2 Unsuitable extinguishing media:

No unsuitable extinguishing media known.

5.2 Special hazards arising from the substance or mixture:

On burning: release of toxic and corrosive gases/vapours (phosphorus oxides, nitrous vapours, hydrogen bromide, hydrogen chloride, carbon monoxide - carbon dioxide). May polymerize on exposure to temperature rise. On heating: release of toxic/combustible gases/vapours (hydrogen cyanide).

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. Dilute toxic gases with water spray.

5.3.2 Special protective equipment for fire-fighters:

Gloves. Protective goggles. Head/neck protection. 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 explosion proof 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. Protective goggles. Head/neck protection. Protective clothing.

Suitable protective clothing

See heading 8.2

6.2 Environmental precautions:

Dam up the solid spill. Use appropriate containment to avoid environmental contamination.

6.3 Methods and material for containment and cleaning up:

Allow product to solidify and remove it by mechanical means. Clean (treat) contaminated surfaces with acetone. 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:

Use spark-/explosionproof appliances and lighting system. Keep away from naked flames/heat. Keep away from ignition sources/sparks. Gas/vapour heavier than air at 20°C. Observe very strict hygiene - avoid contact. Remove contaminated clothing immediately.

7.2 Conditions for safe storage, including any incompatibilities:

7.2.1 Safe storage requirements:

Reason for revision: ATP4

Publication date: 2005-04-27 Date of revision: 2014-03-17

Revision number: 0501

Product number: 42122

Storage temperature: < 50 °C. Store in a cool area. Keep out of direct sunlight. Ventilation at floor level. Fireproof storeroom. Unauthorized persons are not admitted. Meet the legal requirements. Max. storage time: 1 year(s).

7.2.2 Keep away from:

Heat sources, ignition sources, (strong) acids, (strong) bases, amines.

7.2.3 Suitable packaging material:

Aerosol.

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			
Dimethylether	Short time value	783 ppm P 1500 mg/m ³	ublic occupational exposure limit value
	Time-weighted average exposure limit 8 h	496 ppm P 950 mg/m ³	ublic occupational exposure limit value

EU

20					
Dimethylether	Time-weighted average	exposure limit 8 h	1000 ppm 1920 mg/m	Indicative occupational exposu ³ value	re limit

Belgium				
Oxyde de diméthyle	Time-weighted avera	age exposure limit 8 h	1000 ppm 1920 mg/m³	
Hydrocarbures aliphatiques gazeuse : (Alcanes C1-C4)	sous forme Time-weighted avera	age exposure limit 8 h	1000 ppm	
	Time-weighted avera	age exposure limit 8 h	1000 ppm	

USA (TLV-ACGIH)

Butane, all isomers	Tin	ne-weighted average expos	sure limit 8 h	1000 ppm	TLV - Adopted Value

Cormony

Germany		
Isobutan	Time-weighted average exposure limit 8 h	1000 ppm TRGS 900 2400 mg/m ³
Dimethylether	Time-weighted average exposure limit 8 h	1000 ppm TRGS 900 1900 mg/m ³
Propan	Time-weighted average exposure limit 8 h	1000 ppm TRGS 900 1800 mg/m ³

France

Ti	me-weighted average	e exposure limit 8 h	1000 ppm 1920 mg/m³	VRI: Valeur réglementaire indicative
Except methyl SI	nort time value		0.07 mg/m ³	Workplace exposure limit (EH40/200
Ti	me-weighted average	e exposure limit 8 h	0.02 mg/m ³	Workplace exposure limit (EH40/200
SI	nort time value		500 ppm 958 mg/m³	Workplace exposure limit (EH40/200
Ti	me-weighted average	e exposure limit 8 h	400 ppm 766 mg/m ³	Workplace exposure limit (EH40/200
t values				
ole and available th	ese will be listed belo	W.		
		Test	Number	
			Date of revision: 2	014-03-17
			Product number	42122 5/
	Except methyl Sr Ti Sr t values	Except methyl Short time value Time-weighted average Short time value Time-weighted average t values	Time-weighted average exposure limit 8 h Short time value Time-weighted average exposure limit 8 h t values ble and available these will be listed below.	Except methyl Short time value 0.07 mg/m³ Time-weighted average exposure limit 8 h 0.02 mg/m³ Short time value 500 ppm 958 mg/m³ 71me-weighted average exposure limit 8 h Image: training of the second s

1,2-ethanediol	NIOSH	5500
Ethylene Glycol	NIOSH	5523
Isocyanates	NIOSH	5521
Isocyanates	NIOSH	5522

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

tris(2-chloro-1-methylethyl) phosphate

Effect level (DNEL/DMI	EL)	Туре	Value	Remark
DNEL		Acute systemic effects dermal	0.528 mg/kg bw/day	
		Acute systemic effects inhalation	0.93 mg/m ³	
		Long-term systemic effects dermal	0.528 mg/kg bw/day	
		Long-term systemic effects inhalation	0.93 mg/m ³	

DNEL - General population

ris(2-chloro-1-methylet	hyl) phosphat	e e		
Effect level (DNEL/DMEL)		Туре	Value	Remark
DNEL		Acute systemic effects dermal	0.264 mg/kg bw/day	
		Acute systemic effects inhalation	0.23 mg/m ³	
		Acute -systemic effects oral	0.33 mg/kg bw/day	
		Long-term systemic effects dermal	0.264 mg/kg bw/day	
		Long-term systemic effects inhalation	0.23 mg/m ³	
		Long-term systemic effects oral	0.33 mg/kg bw/day	

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

Use spark-/explosionproof appliances and lighting system. Keep away from naked flames/heat. Keep away from ignition sources/sparks. Measure the concentration in the air regularly.

8.2.2 Individual protection measures, such as personal protective equipment

Observe very strict hygien<mark>e - avoid contact. Do not eat, drink or</mark> 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
LDPE (Low Density Poly E	thylene)	10 minutes	0.025 mm
- materials (good resistance)			
LDPE (Low Density Poly E	thylene).		
c) Eye protection:			
Protective goggles.			
d) Skin protection:			
Head/neck protection. P	U		
8.2.3 Environmental exposu	re controls:		
See headings 6.2, 6.3 and	113		
TION O. Dhuslash		reportion	
TION 9: Physical a	and chemical p	roperties	
.1 Information on basic	physical and chemic	al properties:	
Physical form		Aerosol	
Odour	(Characteristic odour	
Odour threshold	1	<mark>lo data availa</mark> ble	
Colour		/ariable in colour, depending on the composition	
Particle size	1	<mark>Vo data availa</mark> ble	
Explosion limits	1	lo data available	
Flammability	I	lammable liquid and vapour.	
Log Kow		Not applicable (mixture)	

No data available

Reason for revision: ATP4

Dynamic viscosity

Publication date: 2005-04-27 Date of revision: 2014-03-17

Revision number: 0501

SEC

9

Product number: 42122

No data available No data available No data available No data available No data available > 1 water ; insoluble
No data available No data available No data available > 1 water ; insoluble
No data available No data available > 1 water ; insoluble
No data available > 1 water ; insoluble
> 1 water ; insoluble
water ; insoluble
<mark>organic solven</mark> ts ; soluble
No data availa <mark>b</mark> le
No data available
No data availa <mark>b</mark> le
No chemical group associated with explosive properties
No chemical group associated with oxidising properties
No data availa <mark>b</mark> le
1 1 1

Physical hazards Flammable liquid

9.2 Ot	her information:			
S	Surface tension	No data availa	ble	
A	Absolute density	No data availa	ible	

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:

May polymerize with many compounds e.g.: (strong) bases and amines. Reacts violently with (some) acids/bases.

10.4 Conditions to avoid:

Use spark-/explosionproof appliances and lighting system. Keep away from naked flames/heat. Keep away from ignition sources/sparks.

10.5 Incompatible materials:

(strong) acids, (strong) bases, amines.

10.6 Hazardous decomposition products:

On heating: release of toxic/combustible gases/vapours (hydrogen cyanide). On burning: release of toxic and corrosive gases/vapours (phosphorus oxides, nitrous vapours, hydrogen bromide, hydrogen chloride, carbon monoxide - carbon dioxide).

SECTION 11: Toxicological information

11.1 Information on toxicological effects:

11.1.1 Test results

Acute toxicity

Soudafoam 2K

No (test)data on the mixture available

tris(2-chloro-1-methylethyl) phosphate Route of exposure Parameter Method Value Exposure time Species Gender Value determination Oral LD50 Equivalent to OECD 1011-1824 mg/kg Rat Male/female Experimental value 401 ЭW Dermal LD50 OECD 402 2000 mg/kg bw 24 h Rabbit Male/female xperimental value Rat Male/female Inhalation (aerosol) LC50 Equivalent to OECD > 5 mg/l air 4 h Weight of evidence 403 Reason for revision: ATP4 Publication date: 2005-04-27 Date of revision: 2014-03-17 Revision number: 0501 Product number: 42122 7/15

				5	Ju	uart	Jam					
pq	olymethylene polyphe	enyl isocyanate	2									
-	Route of exposure		Method	Val	ue		Exposure t	ime S	species	Gender		Value determination
	Oral	LD50		> 1	0000	mg/kg		F	Rat			Literature study
	Dermal	LD50			000 m			F	Rabbit			Literature study
	Inhalation (vapours			10-	20 mg	g/I	4 h					Literature study
	assification is based o	n the re <mark>levant</mark>	ingredients									
	<u>iclusion</u> armful if inhaled.											
110												
Corrosi	on/irritation											
	<u>afoam 2K</u> o (test)data on the mi	xture available	9									
<u>tri</u>	is(2-chloro-1-methyle Route of exposure	thyl) ph <mark>osphat</mark> Result	e Meth	nod		Exposure	time	Time poin	t	Species	V	alue determination
	Eye	Not irritatin		alent to OEC		72 h		24; 48; 72		Rabbit		perimental value
	250		405		2			, .0,	i iouro	i do ort	_,	
	Skin	Not i <mark>rritatin</mark>	g OECE	0 404		4 h				Rabbit	E۶	perimental value
<u>pq</u>	olymethylene polyphe	enyl isoc <mark>yanate</mark>										
	Route of exposure	Result	Meth	nod		Exposure	time	Time poin	t	Species	Va	alue determination
	Eye	Irrita <mark>ting</mark>										terature study
	Skin	Irritating										terature study
	Inhalation	Irritating									Li	terature study
	assification is based o	n the relevant	ingredients									
	nclusion Auses skin irritation.											
	auses serious eye irrita	ation										
	lay cause respiratory i											
	pecific target organ to		posure: class	ified as irrita	nt to r	espiratory	organs					
			P				J					
Respira	itory or skin sensitisa	tion										
Souda	afoam 2K											
	o (test)data on the mi	xture available	è.									
tri	is(2-chloro-1-methyle	thyl) ph <mark>osphat</mark>	e				_					
	Route of exposure R	esult	Method	E	xposu	ire time	Observat	tion time	Species	Gender		Value
							point					determination
		lot sensitizing	OECD 429						Mouse			Experimental value
<u>pc</u>	olymethylene polyphe	enyl isocyanate		lr.		ire time	Oheerreed		Canadian	Canadam		Malua
	Route of exposure R	esun	Method	E	xposu	ire time	point	tion time	species	Gender		Value determination
	Skin S	ensitizing					point			-		Literature study
		ensitizing				-						Literature study
	assification is based o	3	ingredients									
	nclusion											
Μ	lay cause an allergic sl	kin reaction.										
Μ	lay cause allergy or as	thma sy <mark>mptor</mark>	ns or breathir	ng difficulties	if inha	aled.						
o .c												
Specific	c target organ toxicity											
	afoam 2K											
No	(test)data on the mixt	ure available										
tri	is(2-chloro-1-methyle			1							_	
	Route of exposure	Parameter	Vethod	Value	Org	jan	Effect	Expo	osure time	Species	Gender	Value
	Oral		www.clowtto	000 mmm	1.5.4		Maisht sai	. 12.	a a lua (ala ilu)	Det	Mala	determination
	Oral		quivalent to DECD 408	800 ppm	Live	51	Weight gai	11 13 1	eeks (daily)	Rat	Male	Experimental value
	Oral			2500 ppm		_	No effect	13 w	eeks (daily)	Rat	Female	Experimental
	orui		DECD 408	2000 ppm				10 1	icons (dully)	nat	romaio	value
po	olymethylene polyphe	enyl isocyanate	2									
-	Route of exposure	Parameter	Vethod	Value	Org	jan	Effect	Ехро	osure time	Species	Gender	Value
												determination
	Inhalation			STOT RE cat.	.2							Literature study
CI	assification is based o	n the relevant	ingredients									
	<u> </u>											
Reason	for revision: ATP4									ite: 2005-04-27		
									Date of revisio	on: 2014-03-17		
Dest								-)	40100		0.145
Revisio	n number: 0501							F	Product numb	er: 42122		8 / 15

Conclusion

May cause damage to organs through prolonged or repeated exposure if inhaled. Low sub-chronic toxicity by the oral route Low sub-chronic toxicity by the dermal route

Mutagenicity (in vitro)

Soudafoam 2K

No (test)data on the mixture available

tris(2-chloro-1-methylethyl) phosphate

Result	Method		Effect	Value determination
Negative		Chinese hamster lung fibroblasts	No effect	Weight of evidence
Negative	Equivalent to OECD 471	Bacteria (S.typhimurium)	No effect	Weight of evidence
Negative	gative Equivalent to OECD 476		No effect	Weight of evidence

Mutagenicity (in vivo)

Soudafoam 2K

No (test)data on the mixture available

tris(2-chloro-1-methylethyl) phosphate

F	Result	Method	Exposure time	Test substrate	Gender	Organ	Value determination
ſ		Equivalent to OECD 475		Rat	Male		Weight of evidence
		473					

Carcinogenicity

Soudafoam 2K No (test)data on the mixture available

polymethylene polyphenyl isocyanate

Route of exposure	Parameter	Method	Value	Exposure time	Species	 Value determination	Organ	Effect
Inhalation (aerosol)			category 2		Rat	Literature study		Neoplastic effects

Reproductive toxicity

Soudafoam 2K

No (test)data on the mixture available

tris(2-chloro-1-	mothylothyl)	nhosnhate

	Parameter	Method	Value	Exposure time	Species	Gender	Effect	· J	Value determination
Developmental toxicity	loael (p)	OECD 416	99 mg/kg bw	>10 weeks (daily)	Rat			Female reproductive organ	Experimental value
	NOAEL (P)	OECD 416	85 mg/kg bw	>10 weeks (daily)	Rat	Male	No effect		Experimental value
	NOAEL	Equivalent to OECD 414	1000 mg/kg bw	70 day(s)	Rat	Female	No effect		Experimental value

Classification is based on the relevant ingredients

Conclusion CMR

Suspected of causing cancer.

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

Toxicity other effects

Soudafoam 2K

No (test)data on the mixture available

Chronic effects from short and long-term exposure

Soudafoam 2K

ON CONTINUOUS/REPEATED EXPOSURE/CONTACT: Feeling of weakness. Itching. Skin rash/inflammation. May stain the skin. Dry skin. Coughing. Possible inflammation of the respiratory tract. Respiratory difficulties.

Reason for revision: ATP4

Publication date: 2005-04-27 Date of revision: 2014-03-17

SECTION 12: Ecological information

12.1 Toxicity:

Soudafoam 2K

No (test)data on the mixture available

tris(2-chloro-1-methylethyl) pho	spł	<u>nate</u>							
		Parameter	Method	Value	Duration	Species	Test design	Fresh/salt water	Value determination
Acute toxicity fishes		LC50		56.2 mg/l	96 h	Brachydanio rerio	Static system	Fresh water	Experimental value; GLP
Acute toxicity invertebrates		EC50	OECD 202	65 - 335 mg/l	48 h	Daphnia magna			Experimental value; GLP
Toxicity algae and other aquat plants	tic	EC50	OECD 201	73 mg/l	96 h	Selenastrum capricornutum			Experimental value; Growth rate
polymethylene polyphenyl isocy	ana	ate							
		Parameter	Method	Value	Duration	Species	Test design	Fresh/salt water	Value determination
Acute toxicity other aquatic organisms		LC50		>1000 mg/l	96 h				Literature study
Toxicity aquatic micro- organisms		EC50	OECD 209	>100 mg/l		Activated sludge			Literature study

Classification of the mixture is based on the relevant ingredients of the mixture

Conclusion

Not classified as dangerous for the environment according to the criteria of Directive 1999/45/EC Not classified as dangerous for the environment according to the criteria of Regulation (EC) No 1272/2008

12.2 Persistence and degradability:

tris(2-chloro-1-methylethyl) phosphate

Biodegradation water			
Method	Value	Duration	Value determination
OECD 301E: Modified OECD Scree	ening Test 14 %	28 day(s)	Experimental value
OECD 301C: Modified MIT <mark>I Test (I</mark>) 0%	28 day(s)	Experimental value
polymothylono polyphonyl isocyanate			

polymethylene polyphenyl isocyanate Biodegradation water

D	louegradation water				
	Method	Value	Dur	ration	Value determination
	OECD 302C: Inherent Biodegradability:	< 60 %			Experimental value
	Modified MITI Test (II)				

Conclusion

Contains non readily biodegradable component(s)

12.3 Bioaccumulative potential:

Soudafoam 2K

Log Kow

Not applicable (mixture)	N	/lethod	Remark	Value	Temperature	Value determination
			Not applicable (mixture)			

tris(2-chloro-1-methylethyl) phosphate

BCF fishes					
Parameter	Method	Value	Duration	Species	Value determination
BCF		0.8 - 4.6		Cyprinus carpio	Experimental value
Log Kow					
Method		Remark	Value	Temperature	Value determination
			2.59		Experimental value

polymethylene polyphenyl isocyanate

B	CF fishes										
	Parameter	Method	1	/alue	D	uration	Species			Value determination	n
	BCF		-	1			Pisces			Literature study	
Lo	og Kow										
	Method		Remark		Va	alue	Т	emperature	Va	lue determination	
			No data a	vailable							
Conc	lusion										
Reason fo	or revision: ATP4							Publication date: 2	2005-04-27		
								Date of revision: 2	014-03-17		
Revision	number: 0501							Product number: 4	42122		10/1

No straightforward conclusion can be drawn based upon the available numerical values

12.4 Mobility in soil:

No (test)data on mobility of the components available

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:

Soudafoam 2K

Global warming potential (GWP)

None of the known components is included in the list of substances which may contribute to the greenhouse effect (Regulation (EC) No 842/2006)

Ozone-depleting potential (ODP)

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

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 05 01* (wastes not otherwise specified in 08: waste isocyanates).

16 05 04* (gases in pressure containers and discarded chemicals: gases in pressure containers (including halons) containing 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

Recycle/reuse. 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).

SECTION 14: Transport information

Dood (ADD)

Road (ADR)			
14.1 UN number:			
UN number		1950	
14.2 UN proper shipping nan	ne:		_
Proper shipping name		Aerosols	
14.3 Transport hazard class(e			
Hazard identification nur	nber		
Class		2	
Classification code		5F	
14.4 Packing group:			
Packing group			
Labels		2.1	
14.5 Environmental hazards:			
Environmentally hazardo		no	
14.6 Special precautions for a	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:			
UN number		1950	
14.2 UN proper shipping nan	ne:		
Proper shipping name		Aerosols	
Reason for revision: ATP4		Publication date: 2005-04-27	
		Date of revision: 2014-03-17	
Revision number: 0501		Product number: 42122	11 / 15

14.3 Transport hazard class(es):	
Hazard identification number	23
Class	2
Classification code	5F
14.4 Packing group:	
Packing group	
Labels	2.1
14.5 Environmental hazards:	
Environmentally hazardo <mark>us substance mark</mark>	no
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)
and waterways (ADN) 14.1 UN number:	
UN number	1950
14.2 UN proper shipping nam <mark>e:</mark>	
Proper shipping name	Aerosols
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 hazardou <mark>s substance mark</mark>	no
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)
a (IMDG/IMSBC)	
14.1 UN number:	
UN number	1950
14.2 UN proper shipping name:	1750
Proper shipping name	Aerosols
14.3 Transport hazard class(es):	
Class	2.1
14.4 Packing group:	
Packing group	
Labels	2.1
	K . 1
14 5 Environmental hazards	
14.5 Environmental hazards:	
Marine pollutant	- no
Marine pollutant Environmentally hazardo <mark>us substance mark</mark>	- no
Marine pollutant Environmentally hazardous substance mark 14.6 Special precautions for user:	
Marine pollutant Environmentally hazardous substance mark 14.6 Special precautions for user: Special provisions	63
Marine pollutant Environmentally hazardous substance mark 14.6 Special precautions for user: Special provisions Special provisions	63 190
Marine pollutant Environmentally hazardous substance mark 14.6 Special precautions for user: Special provisions Special provisions Special provisions Special provisions	63 190 277
Marine pollutant Environmentally hazardous substance mark 14.6 Special precautions for user: Special provisions	63 190 277 327
Marine pollutant Environmentally hazardous substance mark 14.6 Special precautions for user: Special provisions	63 190 277 327 344
Marine pollutant Environmentally hazardous substance mark 14.6 Special precautions for user: Special provisions	63 190 277 327 344 959
Marine pollutant Environmentally hazardous substance mark 14.6 Special precautions for user: Special provisions Limited quantities	63 190 277 327 344 959 Combination packagings: not more than 1 liter per inner packaging for liquids. A package shall not weigh more than 30 kg. (gross mass)
Marine pollutant Environmentally hazardous substance mark 14.6 Special precautions for user: Special provisions Limited quantities 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and provisions	63 190 277 327 344 959 Combination packagings: not more than 1 liter per inner packaging for liquids. A package shall not weigh more than 30 kg. (gross mass) nd the IBC Code:
Marine pollutant Environmentally hazardous substance mark 14.6 Special precautions for user: Special provisions Limited quantities	63 190 277 327 344 959 Combination packagings: not more than 1 liter per inner packaging for liquids. A package shall not weigh more than 30 kg. (gross mass)
Marine pollutant Environmentally hazardous substance mark 14.6 Special precautions for user: Special provisions Limited quantities 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and provisions	63 190 277 327 344 959 Combination packagings: not more than 1 liter per inner packaging for liquids. A package shall not weigh more than 30 kg. (gross mass) nd the IBC Code: Not applicable, based on available data
Marine pollutant Environmentally hazardous substance mark 14.6 Special precautions for user: Special provisions Limited quantities 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and provisions	63 190 277 327 344 959 Combination packagings: not more than 1 liter per inner packaging for liquids. A package shall not weigh more than 30 kg. (gross mass) nd the IBC Code:
Marine pollutant Environmentally hazardous substance mark 14.6 Special precautions for user: Special provisions Special provisions Special provisions Special provisions Special provisions Special provisions Special provisions Limited quantities 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and Annex II of MARPOL 73/78	63 190 277 327 344 959 Combination packagings: not more than 1 liter per inner packaging for liquids. A package shall not weigh more than 30 kg. (gross mass) nd the IBC Code: Not applicable, based on available data

Air (ICAO-TI/IATA-DGR) 14.1 UN number: UN number 1950 14.2 UN proper shipping name: Proper shipping name Proper shipping name Aerosols, flammable 14.3 Transport hazard class(es): Class Class Packing group: Packing group: Labels 2.1 14.5 Environmental hazards: Environmentally hazardous substance mark no 14.6 Special precautions for user:	00000	
14.2 UN proper shipping name: Aerosols, flammable Proper shipping name Aerosols, flammable 14.3 Transport hazard class(es): 2.1 Class 2.1 14.4 Packing group: Packing group Packing group 2.1 14.5 Environmental hazards: 2.1 Environmentally hazardous substance mark no 14.6 Special precautions for user: 14.6 Special precautions for user:		
Proper shipping name Aerosols, flammable 14.3 Transport hazard class(es): 2.1 Class 2.1 14.4 Packing group: 2.1 Packing group 2.1 Labels 2.1 14.5 Environmental hazards: no Environmentally hazardous substance mark no 14.6 Special precautions for user:	UN number	1950
14.3 Transport hazard class(es): 2.1 Class 2.1 14.4 Packing group: 2.1 Packing group 2.1 Labels 2.1 14.5 Environmental hazards: 2.1 Environmentally hazardous substance mark no 14.6 Special precautions for user: 14.6 Special precautions for user:	14.2 UN proper shipping nam <mark>e:</mark>	
Class 2.1 14.4 Packing group: Packing group Packing group 2.1 Labels 2.1 14.5 Environmental hazards: Environmentally hazardous substance mark Invironmentally hazardous substance mark no 14.6 Special precautions for user: Image: Class substance mark	Proper shipping name	Aerosols, flammable
14.4 Packing group: Packing group Packing group 2.1 Labels 2.1 14.5 Environmental hazards: Environmentally hazardous substance mark Invironmentally hazardous substance mark no 14.6 Special precautions for user: Environmental hazardous substance mark	14.3 Transport hazard class(e <mark>s):</mark>	
Packing group 2.1 Labels 2.1 14.5 Environmental hazards: Environmentally hazardous substance mark Ino 14.6 Special precautions for user:	Class	2.1
Labels 2.1 14.5 Environmental hazards:	14.4 Packing group:	
14.5 Environmental hazards:	Packing group	
Environmentally hazardous substance mark no 14.6 Special precautions for user:	Labels	2.1
14.6 Special precautions for user:	14.5 Environmental hazards:	
	Environmentally hazardo <mark>us substance mark</mark>	no
	14.6 Special precautions for user:	
Special provisions Alta Alta Alta Alta Alta Alta Alta Alta	Special provisions	A145
Special provisions A167	Special provisions	A167
Special provisions A802	Special provisions	A802
Passenger and cargo tran <mark>sport: limited quantities: maximum ne</mark> t quantity 30 kg G per packaging		y 30 kg G

SECTION 15: Regulatory information

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

European legislation:

VOC content Directive 201	0/75/EU
---------------------------	---------

	/OC content		remar	ks		
-	22 %					

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.

use of certain danger.	ous substances, mixtures and articles.	
	Designation of the substance, of the	group of Conditions of restriction
	substances or of the mixture	
 tris(2-chloro-1-methylethyl) phospha polymethylene polyphenyl isocyanat polymethylene polyphenyl isocyanat 	 te regarded as dangerous in accordanc Directive 1999/45/EC or are fulfilling for any of the following hazard class categories set out in Annex I to Regu No 1272/2008: (a) hazard classes 2.1 to 2.4, 2.6 and types A and B, 2.9, 2.10, 2.12, 2.13 c and 2, 2.14 categories 1 and 2, 2.15 F; (b) hazard classes 3.1 to 3.6, 3.7 adv on sexual function and fertility or or development, 3.8 effects other than effects, 3.9 and 3.10; (c) hazard class 4.1; (d) hazard class 5.1. 	 e with the criteria phases, for example in ornamental lamps and ashtrays, as or - 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 tategoris 1 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 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 lighter, labelled with R65 or H304, shall 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 aporporite, grill lighter fluids, labelled with R65 or H304,
	including the following specific isom Methylenediphenyl diisocyanate; 2, Methylenediphenyl diisocyanate; 2, Methylenediphenyl diisocyanate	Public, unless suppliers shall ensure before the placing on the market that the packaging:
ason for revision: ATP4		Publication date: 2005-04-27
		Date of revision: 2014-03-17
vision number: 0501		Product number: 42122 13 / 15
		FTOUUGETHUTTIDEL. 42122 13713

	50	udafoam 2K
		"— Persons already sensitised to diisocyanates may develop allergic reactions when using t 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.2. way of derogation, paragraph 1(a) shall not apply to hot melt adhesives.
Reference legislation		
See column 1: 3 See column 1: 4 See column 1: 5 Recommandations REAC	10. 56. CH annex XVII	evelop allergic reactions when using this product.
National legislation The Net	· · · · · · ·	
Soudafoam 2K		
Waste identification (t	he LWCA (the Netherlands): KC	GA category 06
Netherlands) Waterbezwaarlijkheid	11	
National legislation German	ענ	
Soudafoam 2K		
WGK	1; Classification water pollu Stoffe (VwVwS) of 27 July 20	uting based on the components in compliance with Verwaltungsvorschrift wassergefährdende 005 (Anhang 4)
nolumethylana polyphar		
polymethylene polypher TRGS905 - Krebserzeug		
TRGS905 - Erbgutverär		
TRGS905 -	-	
Fruchtbarkeitsgefährde	end	
TRGS905 - Fruchtschäd		
MAK - Krebserzeugend		
Kategorie		
Schwangerschaft Grup		
MAK 8-Stunden-Mittel	wert "polymeres MDI" (einatem	bare Fraktion); 0.05 mg/m³; gemessen als einatembare Fraktion (vgl. Abschn. Vd) S. 191)
mg/m³		
National legislation France		
<u>National legislation France</u> <u>Soudafoam 2K</u> No data available <u>National legislation Belgium</u> <u>Soudafoam 2K</u> No data available	1	
Soudafoam 2K No data available National legislation Belgium Soudafoam 2K No data available 15.2 Chemical safety asses No chemical safety asses	essment: ssment is required. nformation	
Soudafoam 2K No data available No data available Soudafoam 2K No data available 15.2 Chemical safety asses No chemical safety asses CTION 16: Other in Information based on classificat Full text of any R-phrases re R20 Harmful by inhalati R22 Harmful by inhalati R22 Harmful if swalloww R36/37/38 Irritating to R40 Limited evidence o R42/43 May cause sens R48/20 Harmful: dange	essment: ssment is required. If Ormation ion according to Regulation (EU) No sferred to under headings 2 and 3: ion ed eyes, respiratory system and skin f a carcinogenic effect sitisation by inhalation and skin conta r of serious damage to health by pro-	plonged exposure through inhalation
Soudafoam 2K No data available National legislation Belgium Soudafoam 2K No data available 15.2 Chemical safety asses No chemical safety asses CTION 16: Other in Information based on classificat Full text of any R-phrases re R20 Harmful by inhalati R22 Harmful by inhalati R22 Harmful if swallow R36/37/38 Irritating to R40 Limited evidence oo R42/43 May cause sens R48/20 Harmful: dange Full text of any H-statement H220 Extremely flamma H229 Pressurised conta H280 Contains gas unde H302 Harmful if swallow H315 Causes skin irritat H317 May cause an alle H319 Causes serious ey H332 Harmful if inhalec	essment: ssment is required. ion according to Regulation (EU) No ferred to under headings 2 and 3: ion ed eyes, respiratory system and skin f a carcinogenic effect sitisation by inhalation and skin conta r of serious damage to health by pro ts referred to under headings 2 and able gas. able aerosol. iner: May burst if heated. er pressure; may explode if heated. wed. ion. ergic skin reaction. e irritation. a y or asthma symptoms or breathing of	act plonged exposure through inhalation 3:
Soudafoam 2K No data available National legislation Belgium Soudafoam 2K No data available 15.2 Chemical safety asses No chemical safety asses CTION 16: Other in Information based on classificat Full text of any R-phrases re R20 Harmful by inhalati R22 Harmful if swallow R36/37/38 Irritating to R40 Limited evidence o R42/43 May cause sens R48/20 Harmful: dange Full text of any H-statement H220 Extremely flamma H229 Pressurised conta H280 Contains gas unde H302 Harmful if swallow H315 Causes skin irritat H317 May cause an alle H319 Causes serious ey H332 Harmful if inhalec H334 May cause allergy	essment: ssment is required. ion according to Regulation (EU) No ferred to under headings 2 and 3: ion ed eyes, respiratory system and skin f a carcinogenic effect sitisation by inhalation and skin conta r of serious damage to health by pro ts referred to under headings 2 and able gas. able aerosol. iner: May burst if heated. er pressure; may explode if heated. wed. ion. ergic skin reaction. e irritation. a y or asthma symptoms or breathing of	act plonged exposure through inhalation 3:

 H351
 Suspected of causing cancer.

 H373
 May cause damage to organs through prolonged or repeated exposure if inhaled.

 H373
 May cause damage to organs through prolonged or repeated exposure.

 (*) = 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)

 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

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