

SAFETY DATA SHEET

Based upon Regulation (EC) No 1907/2006, as amended by Regulation (EU) No 2015/830

Soudafoam Gun

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

1.1. Product identifier

Product name Registration number REACH Product type REACH : Soudafoam Gun : Not applicable (mixture) : Mixture

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

1.2.1 Relevant identified uses polyurethane

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 **1** +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 **1** +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):

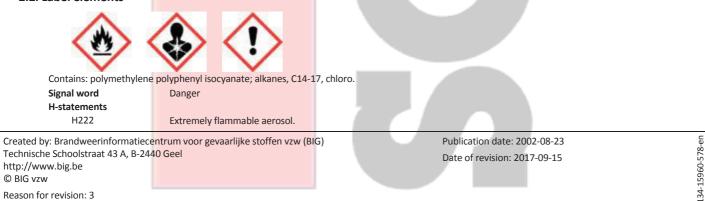
+32 14 58 45 45 (BIG)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Class	Category	Hazard statements			
Aerosol	category 1	H222: Extremely flammable aerosol.			
Aerosol	categ <mark>ory 1</mark>	H229: Pressurised container: May burst if heated.			
Carc.	category 2	H351: Suspected of causing cancer.			
Lact.	-	H362: May cause harm to breast-fed children.			
Resp. Sens.	categ <mark>ory 1</mark>	H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.			
Skin Sens.	categ <mark>ory 1</mark>	H317: May cause an allergic skin reaction.			
Acute Tox.	categ <mark>ory 4</mark>	H332: Harmful if inhaled.			
STOT RE	category 2	H373: May cause damage to organs through prolonged or repeated exposure if inhaled.			
Skin Irrit.	category 2	H315: Causes skin irritation.			
Eye Irrit.	category 2	H319: Causes serious eye irritation.			
STOT SE	category 3	H335: May cause respiratory irritation.			
Aquatic Chronic	category 4	H413: May cause long lasting harmful effects to aquatic life.			

2.2. Label elements



Revision number: 0903

Product number: 38451

H229	Pressurised container: May burst if heated.
H351	Suspected of causing cancer.
H362	May cause harm to breast-fed children.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H317	May cause an allergic skin reaction.
H332	Harmful if inhaled.
H373	May cause damage to organs through prolonged or repeated exposure if inhaled.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H413	May cause long lasting harmful effects to aquatic life.
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.
P308 + P313	IF exposed or concerned: Get medical advice/attention.
P405	Store locked up.
P410 + P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122°F.
P501	Dispose of contents/container in accordance with local/regional/national/international regulation.
Supplemental informati	on

- 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

Gas/vapour spreads at floor level: ignition hazard

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name REACH Registration No	CAS No EC No	Conc. (C)	Classification according to CLP	Note	Remark
polymethylene polyphenyl isocy <mark>anate</mark>	9016-87-9		Carc. 2; H351 Resp. Sens. 1; H334 Skin Sens. 1; H317 Acute Tox. 4; H332 STOT RE 2; H373 Skin Irrit. 2; H315 Eye Irrit. 2; H319 STOT SE 3; H335	(1)(2)(8)(10)(18)	Polymer
isobutane 01-2119485395-27	75-28-5 200-857-2		Flam. Gas 1; H220 Press. Gas - Liquefied gas; H280	(1)(2)(10)	Propellant
propane 01-2119486944-21	74-98-6 200-827-9		Flam. Gas 1; H220 Press. Gas - Liquefied gas; H280	(1)(2)(10)	Propellant
dimethyl ether 01-2119472128-37	115-10-6 204-065-8		Flam. Gas 1; H220 Press. Gas - Liquefied gas; H280	(1)(2)(10)	Propellant
alkanes, C14-17, chloro 01-2119519269-33	85535-85-9 287-477-0		Lact. ; H362 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	(1)(2)(8)(10)	Constituent
(1,3-butadiene, conc<0.1%)					

(18) Polymethylene polyphenyl isocyanate, contains > 0.1% MDI-isomers

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

(2) Substance with a Community workplace exposure limit

(8) Specific concentration limits, see heading 16

(10) Subject to restrictions of Annex XVII of Regulation (EC) No. 1907/2006

Reason for revision: 3

SECTION 4: First aid measures

4.1. Description of first aid measures

General:

Check the vital functions. Unconscious: maintain adequate airway and respiration. Respiratory arrest: artificial respiration or oxygen. Cardiac arrest: perform resuscitation. Victim conscious with laboured breathing: half-seated. Victim in shock: on his back with legs slightly raised. Vomiting: prevent asphyxia/aspiration pneumonia. Prevent cooling by covering the victim (no warming up). Keep watching the victim. Give psychological aid. Keep the victim calm, avoid physical strain. Depending on the victim's condition: doctor/hospital.

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. Remove contact lenses, if present and easy to do. Continue rinsing. 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

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

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:

Small fire: Quick-acting ABC powder extinguisher, Quick-acting BC powder extinguisher.

5.1.2 Unsuitable extinguishing media:

Small fire: Quick-acting CO2 extinguisher, Water (water can be used to control jet flame), Foam. Major fire: Water (water can be used to control jet flame), Foam.

5.2. Special hazards arising from the substance or mixture

On burning: release of toxic and corrosive gases/vapours (nitrous vapours, hydrogen chloride, carbon monoxide - carbon dioxide). Pressurised container: May burst if heated. 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. Take account of toxic/corrosive precipitation water. 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. 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.

Reason for revision: 3

Publication date: 2002-08-23 Date of revision: 2017-09-15

Product number: 38451

6.3. Methods and material for containment and cleaning up

Allow product to solidify and remove it by mechanical means. Carefully collect the spill/leftovers. 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. 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:

Storage temperature: < 50 °C. Store in a cool area. Keep out of direct sunlight. Store in a dry area. 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.

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.

EU			
Dimethylether		Time-weighted average exposure limit 8 h (Indicative occupational exposure limit value)	1000 ppm
		Time-weighted average exposure limit 8 h (Indicative occupational	1920 mg/m ³
		exposure limit value)	1920 mg/m
Belgium			
4,4'-Diisocyanate de dip	hénylméthane (MDI)	Time-weighted average exposure limit 8 h	0.005 ppm
		Time-weighted average exposure limit 8 h	0.052 mg/m³
Hydrocarbures aliphatiqu C4)	es sous forme gazeuse : (Alcanes C1-	Time-weighted average exposure limit 8 h	1000 ppm
Oxyde de diméthyle		Time-weighted average exposure limit 8 h	1000 ppm
		Time-weighted average exposure limit 8 h	1920 mg/m ³
The Netherlands			1
Dimethylether		Time-weighted average exposure limit 8 h (Public occupational	496 ppm
		exposure limit value)	050 / 3
		Time-weighted average exposure limit 8 h (Public occupational exposure limit value)	950 mg/m³
			702
		Short time value (Public occupational exposure limit value)	783 ppm
		Short time value (Public occupational exposure limit value)	1500 mg/m ³
France			
4,4'-Diisocyanate de diph	énylméthane	Time-weighted average exposure limit 8 h (VL: Valeur non	0.01 ppm
		réglementaire indicative)	
		Time-weighted average exposure limit 8 h (VL: Valeur non	0.1 mg/m³
		réglementaire indicative)	
		Short time value (VL: Valeur non réglementaire indicative)	0.02 ppm
		Short time value (VL: Valeur non réglementaire indicative)	0.2 mg/m ³
Oxyde de diméthyle		Time-weighted average exposure limit 8 h (VRI: Valeur réglementaire indicative)	1000 ppm
		Time-weighted average exposure limit 8 h (VRI: Valeur réglementaire	1920 mg/m ³
		indicative)	1920 mg/m
		indedivey	
Germany			
or revision: 3		Publication date: 2002-08-23	
		Date of revision: 2017-09-15	
number: 0903		Product number: 38451	4 /
			• /

4,4'-Methylendiphenyldii Chloralkane, C14-17, (Chl				
Chloralkane C14 17 /Ch		Time-weighted av	erage exposure limit 8 h (TRGS 900)	0.05 mg/m ³
CINOTAINALIC, C14-17 (CIN	lorierte Paraffine C14-17)	Time-weighted av	erage exposure limit 8 h (TRGS 900)	0.3 ppm
		Time-weighted av	erage exposure limit 8 h (TRGS 900)	6 mg/m ³
Dimethylether			verage exposure limit 8 h (TRGS 900)	1000 ppm
		Time-weighted av	verage exposure limit 8 h (TRGS 900)	1900 mg/m ³
Isobutan			verage exposure limit 8 h (TRGS 900)	1000 ppm
		Time-weighted av	verage exposure limit 8 h (TRGS 900)	2400 mg/m ³
pMDI (als MDI berechnet	t)		verage exposure limit 8 h (TRGS 900)	0.05 mg/m ³
Propan	,		verage exposure limit 8 h (TRGS 900)	1000 ppm
ropan			verage exposure limit 8 h (TRGS 900)	1800 mg/m ³
		Time weighted u		1000 116/11
UK				
Dimethyl ether		Time-weighted av	erage exposure limit 8 h (Workplace exposu	re limit 400 ppm
		(EH40/2005))		
			erage exposure limit 8 h (Workplace exposu	re limit 766 mg/m ³
		(EH40/2005))		
			Workplace exposure limit (EH40/2005))	500 ppm
			Workplace exposure limit (EH40/2005))	958 mg/m³
Isocyanates, all (as -NCO)) Except methyl isocyanate		erage exposure limit 8 h (Workplace exposu	re limit 0.02 mg/m ³
		(EH40/2005))		
		Short time value	Workplace exposure limit (EH40/2005))	0.07 mg/m³
USA (TLV-ACGIH)				
Butane, all isomers		Chart time value	TLV - Adopted Value)	1000
· · · · · · · · · · · · · · · · · · ·	avanata (MDI)			1000 ppm
Methylene bisphenyl isoo		lime-weighted av	rerage exposure limit 8 h (TLV - Adopted Valu	ue) 0.005 ppm
b) National biological lim				
If limit values are applical	ble and available these will b	e listed below.		
3.1.2 Sampling methods				
Product name		Test	Number	
Isocyanates		NIOSH	5521	
Isocyanates		NIOSH	5522	
If limit values are applical 3.1.4 DNEL/PNEC values	ble and available these will b	e listed below.		
DNEL/DMEL - Workers				
alkanes, C14-17, chloro	EL) Turno		Value	mark
Effect level (DNEL/DM				emark
DNEL		emic effects inhalation	6.7 mg/m ³	
	Long-term syste	emic effects dermal	47.9 mg/kg bw/day	
DNEL/DMEL - General po				
alkanes, C14-17, chloro	opulation			
alkanes, C14-17, chloro Effect level (DNEL/DM	EL) Type			emark
alkanes, C14-17, chloro	EL) Type Long-term syste	emic effects inhalation	2 mg/m ³	emark
alkanes, C14-17, chloro Effect level (DNEL/DM	EL) Type Long-term syste Long-term syste	emic effects inhalation emic effects dermal	2 mg/m³ 28.75 mg/kg bw/day	mark
<u>alkanes, C14-17, chloro</u> Effect level (DNEL/DM DNEL	EL) Type Long-term syste	emic effects inhalation emic effects dermal	2 mg/m ³	emark
alkanes, C14-17, chloro Effect level (DNEL/DM DNEL PNEC	EL) Type Long-term syste Long-term syste	emic effects inhalation emic effects dermal	2 mg/m³ 28.75 mg/kg bw/day	emark
alkanes, C14-17, chloro Effect level (DNEL/DM DNEL <u>PNEC</u> alkanes, C14-17, chloro	EL) Type Long-term syste Long-term syste	emic effects inhalation emic effects dermal emic effects oral	2 mg/m ³ 28.75 mg/kg bw/day 0.58 mg/kg bw/day	mark
alkanes, C14-17, chloro Effect level (DNEL/DM DNEL PNEC	EL) Type Long-term syste Long-term syste	emic effects inhalation emic effects dermal emic effects oral Value	2 mg/m³ 28.75 mg/kg bw/day	mark
alkanes, C14-17, chloro Effect level (DNEL/DM DNEL <u>PNEC</u> alkanes, C14-17, chloro	EL) Type Long-term syste Long-term syste	emic effects inhalation emic effects dermal emic effects oral Value 1 µg/I	2 mg/m ³ 28.75 mg/kg bw/day 0.58 mg/kg bw/day	mark
<u>alkanes, C14-17, chloro</u> Effect level (DNEL/DM DNEL <u>PNEC</u> <u>alkanes, C14-17, chloro</u> Compartments	EL) Type Long-term syste Long-term syste	emic effects inhalation emic effects dermal emic effects oral Value	2 mg/m ³ 28.75 mg/kg bw/day 0.58 mg/kg bw/day	mark
Alkanes, C14-17, chloro Effect level (DNEL/DM DNEL PNEC Alkanes, C14-17, chloro Compartments Fresh water	EL) Type Long-term syste Long-term syste	emic effects inhalation emic effects dermal emic effects oral Value 1 µg/l 0.2 µg/l 80 mg/l	2 mg/m ³ 28.75 mg/kg bw/day 0.58 mg/kg bw/day	mark
alkanes, C14-17, chloro Effect level (DNEL/DM DNEL alkanes, C14-17, chloro Compartments Fresh water Marine water	EL) Type Long-term syste Long-term syste	emic effects inhalation emic effects dermal emic effects oral Value 1 µg/I 0.2 µg/I	2 mg/m ³ 28.75 mg/kg bw/day 0.58 mg/kg bw/day	emark
alkanes, C14-17, chloro Effect level (DNEL/DM DNEL alkanes, C14-17, chloro Compartments Fresh water Marine water STP	EL) Type Long-term syste Long-term syste Long-term syste	emic effects inhalation emic effects dermal emic effects oral Value 1 µg/l 0.2 µg/l 80 mg/l	2 mg/m ³ 28.75 mg/kg bw/day 0.58 mg/kg bw/day	emark
Alkanes, C14-17, chloro Effect level (DNEL/DM DNEL DNEL Alkanes, C14-17, chloro Compartments Fresh water Marine water STP Fresh water sediment	EL) Type Long-term syste Long-term syste Long-term syste	emic effects inhalation emic effects dermal emic effects oral Value 1 µg/l 0.2 µg/l 80 mg/l 13 mg/kg sediment dw	2 mg/m ³ 28.75 mg/kg bw/day 0.58 mg/kg bw/day	emark
Alkanes, C14-17, chloro Effect level (DNEL/DM DNEL DNEL Alkanes, C14-17, chloro Compartments Fresh water Marine water STP Fresh water sediment Marine water sediment Soil	EL) Type Long-term syste Long-term syste Long-term syste	emic effects inhalation emic effects dermal emic effects oral Value 1 µg/l 0.2 µg/l 80 mg/l 13 mg/kg sediment dw 2.6 mg/kg sediment dw 11.9 mg/kg soil dw	2 mg/m ³ 28.75 mg/kg bw/day 0.58 mg/kg bw/day	emark
Alkanes, C14-17, chloro Effect level (DNEL/DM DNEL DNEL Alkanes, C14-17, chloro Compartments Fresh water Marine water STP Fresh water sediment Marine water sediment Soil Oral	EL) Type Long-term syste Long-term syste Long-term syste	emic effects inhalation emic effects dermal emic effects oral Value 1 µg/l 0.2 µg/l 80 mg/l 13 mg/kg sediment dw 2.6 mg/kg sediment dw	2 mg/m ³ 28.75 mg/kg bw/day 0.58 mg/kg bw/day	emark
Alkanes, C14-17, chloro Effect level (DNEL/DM DNEL DNEL Alkanes, C14-17, chloro Compartments Fresh water Marine water STP Fresh water sediment Marine water sediment Soil Oral Control banding	EL) Type Long-term syste Long-term syste Long-term syste	emic effects inhalation emic effects dermal emic effects oral Value 1 µg/l 0.2 µg/l 80 mg/l 13 mg/kg sediment dw 2.6 mg/kg sediment dw 11.9 mg/kg soil dw	2 mg/m ³ 28.75 mg/kg bw/day 0.58 mg/kg bw/day	emark
Alkanes, C14-17, chloro Effect level (DNEL/DM DNEL DNEL Alkanes, C14-17, chloro Compartments Fresh water Marine water STP Fresh water sediment Marine water sediment Soil Oral	EL) Type Long-term syste Long-term syste Long-term syste	emic effects inhalation emic effects dermal emic effects oral Value 1 µg/l 0.2 µg/l 80 mg/l 13 mg/kg sediment dw 2.6 mg/kg sediment dw 11.9 mg/kg soil dw	2 mg/m ³ 28.75 mg/kg bw/day 0.58 mg/kg bw/day	emark
Alkanes, C14-17, chloro Effect level (DNEL/DM DNEL PNEC Alkanes, C14-17, chloro Compartments Fresh water Marine water STP Fresh water sediment Marine water sediment Soil Oral Coral If applicable and available	EL) Type Long-term syste Long-term syste Long-term syste	emic effects inhalation emic effects dermal emic effects oral Value 1 µg/l 0.2 µg/l 80 mg/l 13 mg/kg sediment dw 2.6 mg/kg sediment dw 11.9 mg/kg soil dw	2 mg/m ³ 28.75 mg/kg bw/day 0.58 mg/kg bw/day	emark
Alkanes, C14-17, chloro Effect level (DNEL/DM DNEL PNEC Alkanes, C14-17, chloro Compartments Fresh water Marine water STP Fresh water sediment Marine water sediment Soil Oral Coral Soil Oral If applicable and available Exposure controls	EL) Type Long-term syste Long-term syste Long-term syste Long-term syste t t t t t t t	emic effects inhalation emic effects dermal emic effects oral Value 1 µg/1 0.2 µg/1 80 mg/1 13 mg/kg sediment dw 2.6 mg/kg sediment dw 11.9 mg/kg soil dw 10 mg/kg food	2 mg/m ³ 28.75 mg/kg bw/day 0.58 mg/kg bw/day	
Alkanes, C14-17, chloro Effect level (DNEL/DM DNEL PNEC Alkanes, C14-17, chloro Compartments Fresh water Marine water STP Fresh water sediment Marine water sediment Marine water sediment Marine water sediment Marine and available Control banding If applicable and available be information in this section	EL) Type Long-term syste Long-term syste Long-term syste Long-term syste t t t t t t t t t t t t t	emic effects inhalation emic effects dermal emic effects oral Value 1 µg/1 0.2 µg/1 80 mg/1 13 mg/kg sediment dw 2.6 mg/kg sediment dw 11.9 mg/kg soil dw 10 mg/kg food	2 mg/m ³ 28.75 mg/kg bw/day 0.58 mg/kg bw/day	
Alkanes, C14-17, chloro Effect level (DNEL/DM DNEL PNEC Alkanes, C14-17, chloro Compartments Fresh water Marine water STP Fresh water sediment Marine water sediment Marine water sediment Marine water sediment Soil Oral Control banding If applicable and available Exposure controls the information in this sectic cenarios that correspond to	EL) Type Long-term syste Long-term syste Long-term syste Long-term syste t t t t t t t b your identified use.	emic effects inhalation emic effects dermal emic effects oral Value 1 µg/1 0.2 µg/1 80 mg/1 13 mg/kg sediment dw 2.6 mg/kg sediment dw 11.9 mg/kg soil dw 10 mg/kg food	2 mg/m ³ 28.75 mg/kg bw/day 0.58 mg/kg bw/day	
Alkanes, C14-17, chloro Effect level (DNEL/DM DNEL PNEC Alkanes, C14-17, chloro Compartments Fresh water Marine water STP Fresh water sediment Marine water sediment Marine water sediment Soil Oral Control banding If applicable and available Exposure controls the information in this sectic cenarios that correspond to 2.1.1 Appropriate engineeri	EL) Type Long-term syste Long-term syste Long-term syste Long-term syste I under the	emic effects inhalation emic effects dermal emic effects oral Value 1 µg/I 0.2 µg/I 80 mg/I 13 mg/kg sediment dw 2.6 mg/kg sediment dw 11.9 mg/kg soil dw 10 mg/kg food	2 mg/m ³ 28.75 mg/kg bw/day 0.58 mg/kg bw/day	ays use the relevant ex
Alkanes, C14-17, chloro Effect level (DNEL/DM DNEL DNEL PNEC Alkanes, C14-17, chloro Compartments Fresh water Marine water STP Fresh water sediment Marine water sediment Marine water sediment Soil Oral Control banding If applicable and available Exposure controls the information in this sectio cenarios that correspond to 2.1.1 Appropriate engineerin Use spark-/explosionproc	EL) Type Long-term syste Long-term syste Long-term syste Long-term syste I under the system I under the syst	emic effects inhalation emic effects dermal emic effects oral Value 1 µg/I 0.2 µg/I 80 mg/I 13 mg/kg sediment dw 2.6 mg/kg sediment dw 11.9 mg/kg soil dw 10 mg/kg food	2 mg/m ³ 28.75 mg/kg bw/day 0.58 mg/kg bw/day	ays use the relevant ex
Alkanes, C14-17, chloro Effect level (DNEL/DM DNEL DNEL Alkanes, C14-17, chloro Compartments Fresh water Marine water STP Fresh water sediment Marine water sediment Marine water sediment Soil Oral Coral Soil Oral Coral Consume controls the information in this section cenarios that correspond to C.1.1 Appropriate engineering Use spark-/explosionproof concentration in the air r	EL) Type Long-term syste Long-term syste Long-term syste Long-term syste Long-term syste e it will be listed below. t t t p your identified use. ng controls of appliances and lighting sys regularly.	emic effects inhalation emic effects dermal emic effects oral Value 1 µg/l 0.2 µg/l 80 mg/l 13 mg/kg sediment dw 2.6 mg/kg sediment dw 11.9 mg/kg soil dw 10 mg/kg food	2 mg/m ³ 28.75 mg/kg bw/day 0.58 mg/kg bw/day	ays use the relevant ex
Alkanes, C14-17, chloro Effect level (DNEL/DM DNEL DNEL Alkanes, C14-17, chloro Compartments Fresh water Marine water STP Fresh water sediment Marine water sediment Marine water sediment Soil Oral Coral C	EL) Type Long-term syste Long-term syste Long-term syste Long-term syste Long-term syste it t t t t t c t s s general description. If y your identified use. ng controls of appliances and lighting sys regularly. neasures, such as personal p	emic effects inhalation emic effects dermal emic effects oral Value 1 µg/l 0.2 µg/l 80 mg/l 13 mg/kg sediment dw 2.6 mg/kg sediment dw 11.9 mg/kg soil dw 10 mg/kg food applicable and available, ex etem. Keep away from nake	2 mg/m ³ 28.75 mg/kg bw/day 0.58 mg/kg bw/day 0.58 mg/kg bw/day	ays use the relevant ex
Alkanes, C14-17, chloro Effect level (DNEL/DM DNEL DNEL PNEC Alkanes, C14-17, chloro Compartments Fresh water Marine water STP Fresh water sediment Marine water sediment Soil Oral Coral Control banding If applicable and available Exposure controls the information in this section cenarios that correspond to Cal propriate engineerin Use spark-/explosionproor concentration in the air m Cal protection m Observe very strict hygien	EL) Type Long-term syste Long-term syste Long-term syste Long-term syste Long-term syste e it will be listed below. t t t p your identified use. ng controls of appliances and lighting sys regularly.	emic effects inhalation emic effects dermal emic effects oral Value 1 µg/l 0.2 µg/l 80 mg/l 13 mg/kg sediment dw 2.6 mg/kg sediment dw 11.9 mg/kg soil dw 10 mg/kg food applicable and available, ex etem. Keep away from nake	2 mg/m ³ 28.75 mg/kg bw/day 0.58 mg/kg bw/day 0.58 mg/kg bw/day	ays use the relevant ex
Alkanes, C14-17, chloro Effect level (DNEL/DM DNEL DNEL Alkanes, C14-17, chloro Compartments Fresh water Marine water STP Fresh water sediment Marine water sediment Marine water sediment Soil Oral Coral C	EL) Type Long-term syste Long-term syste Long-term syste Long-term syste Long-term syste it t t t t t t c t c f your identified use. ng controls of appliances and lighting sys regularly. neasures, such as personal p ne - avoid contact. Do not ea	emic effects inhalation emic effects dermal emic effects oral Value 1 µg/l 0.2 µg/l 80 mg/l 13 mg/kg sediment dw 2.6 mg/kg sediment dw 11.9 mg/kg soil dw 10 mg/kg food 10 mg/kg food applicable and available, ex etem. Keep away from nake protective equipment t, drink or smoke during wo	2 mg/m ³ 28.75 mg/kg bw/day 0.58 mg/kg bw/day 0.58 mg/kg bw/day	ays use the relevant ex
Alkanes, C14-17, chloro Effect level (DNEL/DM DNEL DNEL Alkanes, C14-17, chloro Compartments Fresh water Marine water STP Fresh water sediment Marine water sediment Marine water sediment Soil Oral Coral C	EL) Type Long-term syste Long-term syste Long-term syste Long-term syste Long-term syste it t t t t t c t s s general description. If y your identified use. ng controls of appliances and lighting sys regularly. neasures, such as personal p	emic effects inhalation emic effects dermal emic effects oral Value 1 µg/l 0.2 µg/l 80 mg/l 13 mg/kg sediment dw 2.6 mg/kg sediment dw 11.9 mg/kg soil dw 10 mg/kg food 10 mg/kg food applicable and available, ex etem. Keep away from nake protective equipment t, drink or smoke during wo	2 mg/m ³ 28.75 mg/kg bw/day 0.58 mg/kg bw/day 0.58 mg/kg bw/day	ays use the relevant ex
Alkanes, C14-17, chloro Effect level (DNEL/DM DNEL DNEL Alkanes, C14-17, chloro Compartments Fresh water Marine water STP Fresh water sediment Marine water sediment Marine water sediment Soil Oral Coral C	EL) Type Long-term syste Long-term syste Long-term syste Long-term syste Long-term syste it t t t t t t c t c f your identified use. ng controls of appliances and lighting sys regularly. neasures, such as personal p ne - avoid contact. Do not ea	emic effects inhalation emic effects dermal emic effects oral Value 1 µg/l 0.2 µg/l 80 mg/l 13 mg/kg sediment dw 2.6 mg/kg sediment dw 11.9 mg/kg soil dw 10 mg/kg food 10 mg/kg food applicable and available, ex etem. Keep away from nake protective equipment t, drink or smoke during wo	2 mg/m ³ 28.75 mg/kg bw/day 0.58 mg/kg bw/day 0.58 mg/kg bw/day	ays use the relevant ex
Alkanes, C14-17, chloro Effect level (DNEL/DM DNEL DNEL Alkanes, C14-17, chloro Compartments Fresh water Marine water STP Fresh water sediment Marine water sediment Marine water sediment Soil Oral Coral C	EL) Type Long-term syste Long-term syste Long-term syste Long-term syste Long-term syste it t t t t t t c t c f your identified use. ng controls of appliances and lighting sys regularly. neasures, such as personal p ne - avoid contact. Do not ea	emic effects inhalation emic effects dermal emic effects oral Value 1 µg/l 0.2 µg/l 80 mg/l 13 mg/kg sediment dw 2.6 mg/kg sediment dw 11.9 mg/kg soil dw 10 mg/kg food 10 mg/kg food applicable and available, ex etem. Keep away from nake protective equipment t, drink or smoke during wo	2 mg/m ³ 28.75 mg/kg bw/day 0.58 mg/kg bw/day	ays use the relevant ex
Alkanes, C14-17, chloro Effect level (DNEL/DM DNEL DNEL Alkanes, C14-17, chloro Compartments Fresh water Marine water STP Fresh water sediment Marine water sediment Marine water sediment Soil Oral Coral C	EL) Type Long-term syste Long-term syste Long-term syste Long-term syste Long-term syste it t t t t t t c t c f your identified use. ng controls of appliances and lighting sys regularly. neasures, such as personal p ne - avoid contact. Do not ea	emic effects inhalation emic effects dermal emic effects oral Value 1 µg/l 0.2 µg/l 80 mg/l 13 mg/kg sediment dw 2.6 mg/kg sediment dw 11.9 mg/kg soil dw 10 mg/kg food 10 mg/kg food applicable and available, ex etem. Keep away from nake protective equipment t, drink or smoke during wo	2 mg/m ³ 28.75 mg/kg bw/day 0.58 mg/kg bw/day 0.58 mg/kg bw/day	ays use the relevant ex
Alkanes, C14-17, chloro Effect level (DNEL/DM DNEL DNEL Alkanes, C14-17, chloro Compartments Fresh water Marine water STP Fresh water sediment Marine water sediment Marine water sediment Soil Oral Coral C	EL) Type Long-term syste Long-term syste Long-term syste Long-term syste Long-term syste it t t t t t t c t c f your identified use. ng controls of appliances and lighting sys regularly. neasures, such as personal p ne - avoid contact. Do not ea	emic effects inhalation emic effects dermal emic effects oral Value 1 µg/l 0.2 µg/l 80 mg/l 13 mg/kg sediment dw 2.6 mg/kg sediment dw 11.9 mg/kg soil dw 10 mg/kg food 10 mg/kg food applicable and available, ex etem. Keep away from nake protective equipment t, drink or smoke during wo	2 mg/m ³ 28.75 mg/kg bw/day 0.58 mg/kg bw/day	ays use the relevant ex
Alkanes, C14-17, chloro Effect level (DNEL/DM DNEL DNEL Alkanes, C14-17, chloro Compartments Fresh water Marine water STP Fresh water sediment Marine water sediment Marine water sediment Soil Oral Coral C	EL) Type Long-term syste Long-term syste Long-term syste Long-term syste Long-term syste it t t t t t t c t c f your identified use. ng controls of appliances and lighting sys regularly. neasures, such as personal p ne - avoid contact. Do not ea	emic effects inhalation emic effects dermal emic effects oral Value 1 µg/l 0.2 µg/l 80 mg/l 13 mg/kg sediment dw 2.6 mg/kg sediment dw 11.9 mg/kg soil dw 10 mg/kg food 10 mg/kg food applicable and available, ex etem. Keep away from nake protective equipment t, drink or smoke during wo	2 mg/m ³ 28.75 mg/kg bw/day 0.58 mg/kg bw/day 0.58 mg/kg bw/day	ays use the relevant ex

Soudafoam	Gun
-----------	-----

	Soudafoam G	un
Gloves.		
Materials	Breakthrough time	Thickness
LDPE (Low Density Poly Ethyle	ne) > 10 minutes	0.025 mm
- materials (good resistance) LDPE (Low Density Poly Ethyle c) Eve protection: Protective goggles. d) Skin protection: Head/neck protection. Protect		
8.2.3 Environmental exposure co		
See headings 6.2, 6.3 and 13		
	chemical properties sical and chemical properties	
Physical form	Aerosol	
Odour	Characteristic odour	
Odour threshold	No data available	
Colour	Variable in colour, depending on the	composition
Particle size	Not applicable	
Explosion limits	No data available	
Flammability	Extremely flammable aerosol.	
Log Kow	Not applicable (mixture)	
Dynamic viscosity	No data available	
Kinematic viscosity	No data available	
Melting point	No data available	
Boiling point	No data available	
Flash point	Not applicable	
Evaporation rate	No data available	
Relative vapour density	> 1	
Vapour pressure	No data available	
Solubility	Organic solvents ; soluble	
	Water ; insoluble	
Relative density	0.95 ; 20 °C	
Decomposition temperature	No data available	
Auto-ignition temperature	Not applicable	
Explosive properties	No chemical group associated with ex	xplosive properties
Oxidising properties	No chemical group associated with o	xidising properties
рН	No data available	
2. Other information		

SECTION 10: Stability and reactivity

10.1. Reactivity

May be ignited by sparks. Gas/vapour spreads at floor level: ignition hazard.

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

Precautionary measures 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.

10.6. Hazardous decomposition products

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

Reason for revision: 3

Publication date: 2002-08-23 Date of revision: 2017-09-15

Product number: 38451

SECTION 11: Toxicological information

11.1. Information on toxicological effects

11.1.1 Test results

Acute toxicity

Soudafoam Gun

No (test)data on the mixture available

Classification is based on the relevant ingredients

ро	lymet	hylene	e polyp	henyl	isocy	<u>anate</u>	_

Route of exposure	Paramet	er Method	Value	Exposure time	Species	Value F	Remark
						determination	
Oral	LD50		<mark>> 10000</mark> mg/kg		Rat	Literature study	
Dermal	LD50		> 5000 mg/kg		Rabbit	Literature study	
Inhalation (vapours)	LD50		10 mg/l - 20 mg/l	4 h	Rat	Literature study	
Inhalation			category 4			Literature study	

alkanes, C14-17, chloro

Route of exposure	Parameter	Method	Value	Exposure time	Species	Value	Remark
						determination	
Oral	LD50		> 4000 mg/kg bw		Rat (male/female)	Experimental value	
Dermal	LD50		> 13500 mg/kg bw	24 h	Rabbit	Read-across	
Inhalation (vapours)	LC50		> 48.170 mg/l air	1 h	Rat	Read-across	

Conclusion

Harmful if inhaled.

Not classified as acute toxic in contact with skin

Not classified as acute toxic if swallowed

Corrosion/irritation

Soudafoam Gun

No (test)data on the mixture available

Classification is based on the relevant ingredients

polymethylene polyphenyl isocyanate

Route of exposure	Result	Method	Exposure time	Time point	 Value determination	Remark
· ·	Irritating; category <mark>2</mark>			_	Literature study	
	Irritating; category <mark>2</mark>				Literature study	
	Irritating; STOT SE cat.3				Literature study	

alkanes, C14-17, chloro

Route of exposure	Result	Method	Exposur	re time	Time point	· · · · · · ·	Value determination	Remark
Eye	Slightly <mark>irritating</mark>						Expert judgement	
Skin	Slightly <mark>irritating</mark>	OECD 404	4 h		24; 72 hours	Rabbit	Expert judgement	

Conclusion

Causes skin irritation.

Causes serious eye irritation.

May cause respiratory irritation.

Respiratory or skin sensitisation

Soudafoam Gun

No (test)data on the mixture available

Classification is based on the relevant ingredients

Route of exposure	Result	Method	Exposure time	Observation time point	Species	Value determination	Remark
	Sensitizin <mark>g;</mark> category <mark>1</mark>					Literature study	
	Sensitizin <mark>g;</mark> category <mark>1</mark>					Literature study	

Reason for revision: 3

Publication date: 2002-08-23 Date of revision: 2017-09-15

kanes, C14-17, chloro	-										
Route of exposure R	esult		Method		Exposu	ire time	Observation tim point	e Species	Value dete	ermination	Remark
Skin N	lot sensit	tizing	Guinea pig maximisatio	n tost			48 hours	Guinea pig	Experimer	ntal value	
nclusion	-		maximisatio	ii test							
1ay cause an allergic s	kin react	ion.									
1ay cause allergy or as	thma sy	mptom	s or breathing	g difficulti	es if inh	naled.					
c target organ toxicity											
c target organ toxicity	Y										
afoam Gun											
(test)data on the mix											
lassification is based o			ngredients								
olymethylene polyphe Route of exposure			lethod	Value		Organ	Effect	Exposure ti	me Species		Value
Noute of exposure	ratattic		lethou	value		Organ	Lilect	Exposure th	ine species		determinatio
Inhalation				STOT RE	cat.2						Literature stu
kanes, C14-17, chloro	2			_		· · · ·					1
Route of exposure	Parame	ter IV	lethod	Value		Organ	Effect	Exposure ti	me Species		Value
											determinatio
Oral (diet)	NOAEL		quivalent to	300 ppn	n	. '	No effect	13 weeks	Rat (male/	'temale)	Experimental
Oral (diat)	NOATI	-	ECD 408	22	19		No effect	(daily)	Rat (male/	fomale	Evnorim
Oral (diet)	NOAEL		quivalent to ECD 408	23 mg/k bw/day			NO Effect	13 weeks (daily)	Rat (male/	remaie)	Experimental
		Ĭ	200 400	mg/kg b				(dully)			
Dermal				0, 0	. ,						Data waiving
Inhalation								_			Data waiving
nclusion				-							•
o (test)data on the mi kanes, C14-17, chloro Result			hod			Test subst	rate	Effect		Value dete	ermination
kanes, C14-17, chloro Result Negative with meta	bolic	Met OEC	hod D 471			Test subst Bacteria (S	rate .typhimurium)	Effect No effect		Value dete Experimen	ermination Ital value
kanes, C14-17, chloro Result	bolic without	Met OEC									
kanes, C14-17, chloro Result Negative with meta activation, negative	bolic without	Met OEC									
kanes, C14-17, chloro Result Negative with meta activation, negative metabolic activation enicity (in vivo)	bolic without	Met OEC									
kanes, C14-17, chloro Result Negative with meta activation, negative metabolic activation	abolic e without n	Met OEC									
kanes, C14-17, chloro Result Negative with meta activation, negative metabolic activation enicity (in vivo) afoam Gun	abolic e without n	Met OEC t	D 471								
kanes, C14-17, chloro Result Negative with meta activation, negative metabolic activation enicity (in vivo) afoam Gun o (test)data on the mi	ibolic without n ixture av the relev	Met OEC t	D 471								
kanes, C14-17, chloro Result Negative with meta activation, negative metabolic activation enicity (in vivo) afoam Gun o (test)data on the mi idgement is based on kanes, C14-17, chloro Result	ibolic without n ixture av the relev	Met OEC t	D 471 gredients Method		Ехро	Bacteria (S sure time	.typhimurium)	No effect trate	Organ	Experimen	
kanes, C14-17, chloro Result Negative with meta activation, negative metabolic activation enicity (in vivo) afoam Gun o (test)data on the mi idgement is based on kanes, C14-17, chloro	ibolic without n ixture av the relev	Met OEC t	D 471 gredients Method Equivalent	to OECD	Ехро	Bacteria (S sure time	.typhimurium)	No effect trate	Organ Bone marrow	Experimen	ital value
kanes, C14-17, chloro Result Negative with meta activation, negative metabolic activation enicity (in vivo) afoam Gun o (test)data on the mi idgement is based on kanes, C14-17, chloro Result Negative	ibolic without n ixture av the relev	Met OEC t	p 471 gredients Method Equivalent 475		Expo 5 day	Bacteria (S sure time	.typhimurium) Test subs Rat (male	No effect trate	Bone marrow	Experimen	ital value lue determina perimental valu
kanes, C14-17, chloro Result Negative with meta activation, negative metabolic activation enicity (in vivo) afoam Gun o (test)data on the mi idgement is based on kanes, C14-17, chloro Result	ibolic without n ixture av the relev	Met OEC t	D 471 gredients Method Equivalent		Expo 5 day	Bacteria (S sure time	.typhimurium) Test subs Rat (male	No effect trate	1	Experimen	ital value
kanes, C14-17, chloro Result Negative with meta activation, negative metabolic activation enicity (in vivo) afoam Gun o (test)data on the mi idgement is based on kanes, C14-17, chloro Result Negative	ibolic without n ixture av the relev	Met OEC t	p 471 gredients Method Equivalent 475 Equivalent		Expo 5 day	Bacteria (S sure time	.typhimurium) Test subs Rat (male	No effect trate	Bone marrow	Experimen	ital value lue determina perimental valu
kanes, C14-17, chloro Result Negative with meta activation, negative metabolic activation enicity (in vivo) afoam Gun o (test)data on the ming idgement is based on kanes, C14-17, chloro Result Negative Negative	ibolic without n ixture av the rele	Met OECt railable vant ing	D 471 gredients Kethod Equivalent 475 Equivalent 474		Expo 5 day	Bacteria (S sure time	.typhimurium) Test subs Rat (male	No effect trate	Bone marrow	Experimen	ital value lue determina perimental valu
kanes, C14-17, chloro Result Negative with meta activation, negative metabolic activation enicity (in vivo) afoam Gun o (test)data on the minimized idgement is based on kanes, C14-17, chloro Result Negative Negative netusion ot classified for mutage	ibolic without n ixture av the rele	Met OECt railable vant ing	D 471 gredients Kethod Equivalent 475 Equivalent 474		Expo 5 day	Bacteria (S sure time	.typhimurium) Test subs Rat (male	No effect trate	Bone marrow	Experimen	ital value lue determina perimental valu
kanes, C14-17, chloro Result Negative with meta activation, negative metabolic activation enicity (in vivo) afoam Gun o (test)data on the mingement is based on klanes, C14-17, chloro Result Negative Negative netabolic netabolic afoam Gun o (test)data on the mingement is based on kanes, C14-17, chloro Result Negative negative negative	ibolic without n ixture av the rele	Met OECt railable vant ing	D 471 gredients Kethod Equivalent 475 Equivalent 474		Expo 5 day	Bacteria (S sure time	.typhimurium) Test subs Rat (male	No effect trate	Bone marrow	Experimen	ital value lue determina perimental valu
kanes, C14-17, chloro Result Negative with meta activation, negative metabolic activation enicity (in vivo) afoam Gun o (test)data on the minimized idgement is based on kanes, C14-17, chloro Result Negative Negative netusion ot classified for mutage	ibolic without n ixture av the rele	Met OECt railable vant ing	D 471 gredients Kethod Equivalent 475 Equivalent 474		Expo 5 day	Bacteria (S sure time	.typhimurium) Test subs Rat (male	No effect trate	Bone marrow	Experimen	ital value lue determina perimental valu
kanes, C14-17, chloro Result Negative with meta activation, negative metabolic activation enicity (in vivo) afoam Gun o (test)data on the mi udgement is based on kanes, C14-17, chloro Result Negative Negative nclusion ot classified for mutage ogenicity afoam Gun o (test)data on the mi	abolic e without n ixture av	genoto»	D 471 gredients Method Equivalent 475 Equivalent 474 kic toxicity		Expo 5 day	Bacteria (S sure time	.typhimurium) Test subs Rat (male	No effect trate	Bone marrow	Experimen	ital value lue determina perimental valu
kanes, C14-17, chloro Result Negative with meta activation, negative metabolic activation enicity (in vivo) afoam Gun o (test)data on the mi udgement is based on kanes, C14-17, chloro Result Negative Negative Negative ot classified for mutage ogenicity afoam Gun o (test)data on the mi	abolic e without n ixture av the relev genic or p ixture av n the re	genoto»	D 471 gredients Method Equivalent 475 Equivalent 474 kic toxicity		Expo 5 day	Bacteria (S sure time	.typhimurium) Test subs Rat (male	No effect trate	Bone marrow	Experimen	ital value lue determina perimental valu
kanes, C14-17, chloro Result Negative with meta activation, negative metabolic activation enicity (in vivo) afoam Gun o (test)data on the mi udgement is based on lkanes, C14-17, chloro Result Negative Negative Negative ot classified for mutage ogenicity afoam Gun o (test)data on the mi lassification is based on of the mi lassification is based of colymethylene polyphe	abolic e without n ixture av the relevent genic or p ixture av on the relevent ixture av	genotos railable levant ing	D 471 gredients Equivalent 475 Equivalent 474 kic toxicity	to OECD	Expo 5 day	sure time (s)	.typhimurium) Test subs Rat (male Mouse (n	trate) hale/female)	Bone marrow	Experimen Val Exp Exp	l <mark>ue determina</mark> berimental valu
kanes, C14-17, chloro Result Negative with meta activation, negative metabolic activation enicity (in vivo) afoam Gun o (test)data on the mi udgement is based on kanes, C14-17, chloro Result Negative Negative Negative ot classified for mutage ogenicity afoam Gun o (test)data on the mi assification is based on olymethylene polyphe Route of Para	abolic e without n ixture av the relev genic or p ixture av n the re	genoto»	D 471 gredients Equivalent 475 Equivalent 474 kic toxicity		Expo 5 day	Bacteria (S sure time	.typhimurium) Test subs Rat (male Mouse (n	trate) hale/female)	Bone marrow	Experimen	ue determina perimental valu perimental valu
kanes, C14-17, chloro Result Negative with meta activation, negative metabolic activation enicity (in vivo) afoam Gun o (test)data on the mi udgement is based on kanes, C14-17, chloro Result Negative Negative Negative Negative Negative ot classified for mutage of classified for mutage ogenicity afoam Gun o (test)data on the mi lassification is based of colymethylene polyphe Route of exposure Paral	abolic e without n ixture av the relevent genic or p ixture av on the relevent ixture av	genotos railable levant ing	D 471 gredients Method Equivalent 475 Equivalent 474 kic toxicity ngredients	to OECD	Expo 5 day	sure time (s)	.typhimurium) Test subs Rat (male Mouse (n	trate) hale/female)	Bone marrow	Experimen Val Exp Exp	ue determina berimental valu berimental valu berimental valu
kanes, C14-17, chloro Result Negative with meta activation, negative metabolic activation enicity (in vivo) afoam Gun o (test)data on the mi udgement is based on kanes, C14-17, chloro Result Negative Negative Negative ot classified for mutage ogenicity afoam Gun o (test)data on the mi assification is based on olymethylene polyphe Route of Para	abolic e without n ixture av the relevent genic or p ixture av on the relevent ixture av	genotos railable levant ing	D 471 gredients Method Equivalent 475 Equivalent 474 kic toxicity ngredients	to OECD	Expo 5 day	sure time (s)	.typhimurium) Test subs Rat (male Mouse (n	trate) hale/female)	Bone marrow	Experimen Val Exp Exp	ue determina perimental valu perimental valu
kanes, C14-17, chloro Result Negative with meta activation, negative metabolic activation enicity (in vivo) afoam Gun o (test)data on the mi udgement is based on kanes, C14-17, chloro Result Negative Negative Negative Negative Negative ot classified for mutage of classified for mutage ogenicity afoam Gun o (test)data on the mi lassification is based of colymethylene polyphe Route of exposure Paral	abolic e without n ixture av the relevent genic or p ixture av on the relevent ixture av	genotos railable levant ing	D 471 gredients Method Equivalent 475 Equivalent 474 kic toxicity ngredients	to OECD	Expo 5 day	sure time (s)	.typhimurium) Test subs Rat (male Mouse (n	trate) hale/female)	Bone marrow	Experimen Val Exp Exp	ue determina berimental valu berimental valu berimental valu
kanes, C14-17, chloro Result Negative with meta activation, negative metabolic activation enicity (in vivo) afoam Gun o (test)data on the mi udgement is based on kanes, C14-17, chloro Result Negative Negative Negative Negative Negative ot classified for mutage of classified for mutage ogenicity afoam Gun o (test)data on the mi lassification is based of colymethylene polyphe Route of exposure Paral	abolic e without n ixture av the relevent genic or p ixture av on the relevent ixture av	genotos railable levant ing	D 471 gredients Method Equivalent 475 Equivalent 474 kic toxicity ngredients	to OECD	Expo 5 day	sure time (s)	.typhimurium) Test subs Rat (male Mouse (n	trate) hale/female)	Bone marrow	Experimen Val Exp Exp	ue determina berimental valu berimental valu berimental valu
kanes, C14-17, chloro Result Negative with meta activation, negative metabolic activation enicity (in vivo) afoam Gun o (test)data on the mi udgement is based on kanes, C14-17, chloro Result Negative Negative Negative Negative Negative ot classified for mutage of classified for mutage ogenicity afoam Gun o (test)data on the mi lassification is based of colymethylene polyphe Route of exposure Paral	abolic e without n ixture av the relevent genic or p ixture av on the relevent ixture av	genotos railable levant ing	D 471 gredients Method Equivalent 475 Equivalent 474 kic toxicity ngredients	to OECD	Expo 5 day	sure time (s)	.typhimurium) Test subs Rat (male Mouse (n	trate) hale/female)	Bone marrow	Experimen Val Exp Exp	ue determina berimental valu berimental valu berimental valu
kanes, C14-17, chloro Result Negative with meta activation, negative metabolic activation enicity (in vivo) afoam Gun o (test)data on the mi udgement is based on kanes, C14-17, chloro Result Negative Negative Negative Negative ot classified for mutage ogenicity afoam Gun o (test)data on the mi ussification is based on olymethylene polyphe Route of Parage exposure Unknown	abolic e without n ixture av the relevent genic or p ixture av on the relevent ixture av	genotos railable levant ing	D 471 gredients Method Equivalent 475 Equivalent 474 kic toxicity ngredients	to OECD	Expo 5 day	sure time (s)	.typhimurium) Test subs Rat (male Mouse (n	No effect trate) hale/female) Effect	Bone marrow Bone marrow Org	Experimen Val Exp Exp	ue determina berimental valu berimental valu berimental valu
kanes, C14-17, chloro Result Negative with meta activation, negative metabolic activation enicity (in vivo) afoam Gun o (test)data on the mi udgement is based on kanes, C14-17, chloro Result Negative Negative Negative Negative Negative ot classified for mutage of classified for mutage ogenicity afoam Gun o (test)data on the mi lassification is based of colymethylene polyphe Route of exposure Paral	abolic e without n ixture av the relevent genic or p ixture av on the relevent ixture av	genotos railable levant ing	D 471 gredients Method Equivalent 475 Equivalent 474 kic toxicity ngredients	to OECD	Expo 5 day	sure time (s)	.typhimurium) Test subs Rat (male Mouse (n	No effect trate) hale/female) Effect Publication dat	Bone marrow Bone marrow Org e: 2002-08-23	Experimen Val Exp Exp	ue determina berimental valu berimental valu berimental valu
kanes, C14-17, chloro Result Negative with meta activation, negative metabolic activation enicity (in vivo) afoam Gun o (test)data on the mi udgement is based on kanes, C14-17, chloro Result Negative Negative Negative Negative ot classified for mutage ogenicity afoam Gun o (test)data on the mi ussification is based on olymethylene polyphe Route of Parage exposure Unknown	abolic e without n ixture av the relevent genic or p ixture av on the relevent ixture av	genotos railable levant ing	D 471 gredients Method Equivalent 475 Equivalent 474 kic toxicity ngredients	to OECD	Expo 5 day	sure time (s)	.typhimurium) Test subs Rat (male Mouse (n	No effect trate) hale/female) Effect	Bone marrow Bone marrow Org e: 2002-08-23	Experimen Val Exp Exp	ue determina berimental valu berimental valu berimental valu

anes, C14-17,	chloro							
Route of exposure	Parameter	Method	Value	Exposure time	Species	Effect	Organ	Value determinatior
Oral	LOAEL	Equivalent to OECD 451	0,0		Rat (male/female)	Carcinogenicity	Liver; kidney	Read-across
Oral	LOAEL	Equivalent to OECD 451	0, 0		Rat (male/female)	Carcinogenicity	Thyroid	Read-across
lucion				,. ,	, , , , , ,	1	1	1

Conclusion

Suspected of causing cancer.

Reproductive toxicity

Soudafoam Gun

No (test)data on the mixture available

Classification is based on the relevant ingredients

alkanes, C14-17, chloro

	Parameter	Method	Value	Exposure time	Species	Effect	Organ	Value determination
Developmental toxicity	NOAEL	Equivalent to OECD 414	5000 mg/kg bw/day	14 days (gestation, daily)	Rat	No effect		Experimental value
Maternal toxicity	NOAEL	Equivalent to OECD 414	500 mg/kg bw/day	13 days (gestation, daily)	Rat	No effect		Experimental value
Effects on fertility	NOAEL (P)	OECD 421	100 mg/kg bw/day	9 week(s)	Rat (male)	No effect	Male reproductive organ	Experimental value
	NOAEL (P)	OECD 421	100 mg/kg bw/day	11 week(s) - 12 week(s)	Rat (female)	No effect	Female reproductive organ	Experimental value
Effects on lactation	LOAEL		3125 mg/kg bw		Rat (male/female)			Experimental value

Conclusion

May cause harm to breast-fed children.

Not classified for reprotoxic or developmental toxicity

Toxicity other effects

Soudafoam Gun

No (test)data on the mixture available

alkanes, C14-17, chloro

Parameter	Method	Value	Organ	Effect	Exposure time	· • · · · · ·	Value determination
	Other			Skin dryness or cracking		Rat	Experimental value

Chronic effects from short and long-term exposure

Soudafoam Gun

Feeling of weakness. Itching. Skin rash/inflammation. May stain the skin. Dry skin. Coughing. Possible inflammation of the respiratory tract. Respiratory difficulties.

SECTION 12: Ecological information

12.1. Toxicity

Soudafoam Gun

No (test)data on the mixture available

Classification of the mixture is based on test data on the mixture as a whole

othul alunk

	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
n for revision: 3					Publicatio	n date: 2002-0	18-23	
						vision: 2017-0		
on number: 0903					Product n	umber: 38451		9/16

	Parameter	Method	Value	Duration	Species	Tes	t design	Fresh/salt water	Value determination
Acute toxicity fishes	LC50	Equivalent to OECD 203	> 5000 mg	/l 96 h	Alburnus alburnus		tic system	water	Experimental value; Nominal concentration
Acute toxicity crustacea	EC50	OECD 202	0.006 mg/	l 48 h	Daphnia	magna Stat	tic system		Experimental value; GLP
Toxicity algae and other aquation plants	NOEC	OECD 201	0.1 mg/l	96 h	Pseudoki Ila subca	rchnerie Stat pitata	tic system		Experimental value; GLP
	ErC50	OECD 201	> 3.2 mg/l	72 h	Pseudok Ila subca	rchnerie Stat pitata	tic system		Experimental value; GLP
Long-term toxicity fish	NOEC	Equivalent to OECD 204	> 125 μg/l	14 day(s)	Alburnus alburnus		ni-static tem	Brackish water	Experimental value
Long-term toxicity aquatic crustacea	NOEC	OECD 202	0.01 mg/l	21 day(s)	Daphnia	magna Stat	tic system	Fresh water	Experimental value
	Parameter	Method		Value	Dura	tion	Specie	S	Value determination
Toxicity soil macro-organisms	NOEC	OECD 222		900 mg/kg soil a	lw 56 da	ıy(s)	Eisenia	fetida	Experimental value
Toxicity soil micro-organisms	NOEC	OECD 216		≥ 400 mg/kg soi	l dw 28 da	ıy(s)	Soil mi	cro-organisms	Experimental value
	EC50	OECD 216		> 400 mg/kg soi	l dw 28 da	ıy(s)	Soil mi	cro-organisms	Experimental value
Toxicity terrestrial plants	NOEC	OECD 208		≥ 5000 mg/l	28 da	iy(s)	Brassic	a napus	Experimental value
Toxicity birds	LC50	Equivalent 205	to OECD	> 24603 mg/kg 1			Phasia	nus colchicus	Experimental value
	NOEC	Equivalent 205	to OECD	24603 mg/kg fo	od 5 day	(s)	Phasia	nus colchicus	Experimental value

Conclusion

May cause long lasting harmful effects to aquatic life.

12.2. Persistence and degradability

Biodegradation water	Value	Duration	Value determination
OECD 302C: Inherent Biodegradability: Modified MITI Test (II)	< 60 %	Duration	Experimental value
anes, C14-17, chloro Biodegradation water			
Method	Value	Duration	Value determination
	37 %; GLP	28 day(s)	Experimental value
OECD 301D: Closed Bottle Test	37 /0, ULF	20 udy(3)	Experimental value
	57 %, GEF	20 day(3)	
OECD 301D: Closed Bottle Test Biodegradation soil Method	Value	Duration	Value determination

Conclusion

Contains non readily biodegradable component(s)

12.3. Bioaccumulative potential

Soudafoam Gun

Log Kow	1		i	
Method	Remark	Value	Temperature	Value determination
	Not applicable (mixture)			
polymethylene polyphenyl isoo	<u>cyanate</u>		- 1	

BCF fishes

BCF fishes					
Parameter	Method	Value	Duration	Species	Value determination
BCF		1		Pisces	Literature study
Log Kow					
Method	Re	emark	Value	Temperature	Value determination
	No	o data available			
on for revision: 3				Publication date: 2	
				Date of revision: 20	017-09-15
on number: 0903				Product number: 3	8451 1

alkanes, C14-17, chloro

BCF fishes					
Parameter	Method	Value	Duration	Species	Value determination
BCF	OECD 30	6660	35 day(s)	Oncorhynchus mykiss	Experimental value
Log Kow		·			
Method		Remark	Value	Temperature	Value determination
			<mark>5.4</mark> 7 - 8.01		Experimental value
			> 5		
nclusion					
ontains bioaccum	nulative comp	onent(s)			
.4. Mobility ir	n soil				
kanes, C14-17, cl					
(log) Koc					
Parameter			Method	Value	Value determination
log Koc				5	Experimental value

Conclusion

Contains component(s) that adsorb(s) into the soil

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

12.5. Results of PBT and vPvB assessment

Does not contain component(s) that meet(s) the criteria of PBT and/or vPvB as listed in Annex XIII of Regulation (EC) No 1907/2006.

12.6. Other adverse effects

Soudafoam Gun

Fluorinated greenhouse gases (Regulation (EU) No 517/2014)

None of the known components is included in the list of fluorinated greenhouse gases (Regulation (EU) No 517/2014)

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

European Union

Hazardous waste according to Directive 2008/98/EC, as amended by Regulation (EU) No 1357/2014 and Regulation (EU) No 2017/997.

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 hazardous substances). Depending on branch of industry and production process, also other waste codes may be applicable.

13.1.2 Disposal methods

Recycle/reuse. 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. Specific treatment. Do not discharge into drains or the environment.

13.1.3 Packaging/Container

European Union

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

15 01 10* (packaging containing residues of or contaminated by dangerous substances).

SECTION 14: Transport information

Road (ADR)		
14.1. UN number		
UN number	1950	1
14.2. UN proper shipping name		_
Proper shipping name	Aerosols	1
14.3. Transport hazard class(es)		
Hazard identification number]
Class	2	1
Classification code	5F	1
14.4. Packing group		_
Packing group		
Labels	2.1	
14.5. Environmental hazards		-
Environmentally hazardous substance mark	no]
Reason for revision: 3	Publication date: 2002-08-23	
	Date of revision: 2017-09-15	
Povicion number: 0002	Product number: 29/51	11/16

	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)
ail (F		
1	1. UN number	
	UN number	1950
	2. UN proper shipping name	
	Proper shipping name	Aerosols
	3. Transport hazard class(es)	
	Hazard identification number	23
	Class Classification code	2
	Classification code	5F
	4. Packing group	
	Packing group	2.1
1/1	Labels 5. Environmental hazards	2.1
	Environmental hazards Environmentally hazardous substance mark	
	Environmentally hazardous substance mark 5. Special precautions for user	no
	Special provisions	190
	Special provisions Special provisions	327
	Special provisions Special provisions	344
	Special provisions 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)
	d waterways (ADN)	
1	1. UN number	1050
	UN number	1950
	2. UN proper shipping name	Aprocols
	Proper shipping name 3. Transport hazard class(es)	Aerosols
1		
	Class Classification code	2
	Classification code	5F
	4. Packing group	
	Packing group	2.1
1/ 5	5. Environmental hazards	
1	Environmentally hazardous substance mark	no
	5. Special precautions for user	
- 1	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)
-	MDG/IMSBC)	
1	1. UN number	
	UN number	1950
1	2. UN proper shipping name	la sussite
	Proper shipping name	Aerosols
1	3. Transport hazard class(es)	2.1
	Class	2.1
	4. Packing group	
	Packing group	2.1
1/ 5	5. Environmental hazards	2.1
	Marine pollutant	
	Environmentally hazardous substance mark	no
	5. Special precautions for user	
	Special provisions	63
	Special provisions Special provisions	190
	Special provisions Special provisions	277
	Special provisions Special provisions	327
n for	revision: 3	Publication date: 2002-08-23 Date of revision: 2017-09-15

Special provisions		344
Special provisions		381
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 acco	ord <mark>ing to Annex II of Marpol and the IBC</mark> Code	
Annex II of MARPOL 73	/78	Not applicable
ir (ICAO-TI/IATA-DGR)		
14.1. UN number		
UN number		1950
		1920
14.2. UN proper shipping n	ame	
Proper shipping name		Aerosols, flammable
14.3. Transport hazard clas	s(es)	
Class		2.1
14.4. Packing group		
Packing group		
Labels		2.1
14.5. Environmental hazard	ds	
Environmentally hazard	lous substance mark	no
14.6. Special precautions for	or user	
Special provisions		A145
Special provisions		A167
Special provisions		A802
	timum net quantity per packaging	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 2010/75/EU

VOC content		Remark	
< 38.69 %			
< 367.56 g/l			

REACH Annex XVII - Restriction

Contains component(s) subject to restrictions of Annex XVII of Regulation (EC) No 1907/2006: restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles.

	Designation of the substance, of the group	of Conditions of restriction
	substances or of the mixture	or conductors of restriction
· polymethylene polyphenyl isocyanate	Liquid substances or mixtures which are	1. Shall not be used in:
· alkanes, C14-17, chloro	regarded as dangerous in accordance with	
	Directive 1999/45/EC or are fulfilling the	phases, for example in ornamental lamps and ashtrays,
	criteria for any of the following hazard clas	
	or categories set out in Annex I to Regulat	
	(EC) No 1272/2008:	ornamental aspects,
	(a) hazard classes 2.1 to 2.4, 2.6 and 2.7, 2	
		ries 13. Shall not be placed on the market if they contain a colouring agent, unless required for
	and 2, 2.14 categories 1 and 2, 2.15 types	
	F:	— can be used as fuel in decorative oil lamps for supply to the general public, and,
	(b) hazard classes 3.1 to 3.6, 3.7 adverse	 present an aspiration hazard and are labelled with R65 or H304,
	effects on sexual function and fertility or c	
	development, 3.8 effects other than narco	
	effects, 3.9 and 3.10;	by the European Committee for Standardisation (CEN).
	(c) hazard class 4.1;	5. Without prejudice to the implementation of other Community provisions relating to t
	(d) hazard class 5.1.	classification, packaging and labelling of dangerous substances and mixtures, suppliers s
		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 visi
		legibly and indelibly marked as follows: "Keep lamps filled with this liquid out of the read
		children"; and, by 1 December 2010, "Just a sip of lamp oil — or even sucking the wick o
		lamps — may lead to life- threatening lung damage";
		b) grill lighter fluids, labelled with R65 or H304, intended for supply to the general public
		legibly and indelibly marked by 1 December 2010 as follows: "Just a sip of grill lighter ma
		lead to life threatening lung damage";
		c) lamp oils and grill lighters, labelled with R65 or H304, intended for supply to the gene
		public are packaged in black opaque containers not exceeding 1 litre by 1 December 201
		6. No later than 1 June 2014, the Commission shall request the European Chemicals Age
		to prepare a dossier, in accordance with Article 69 of the present Regulation with a view
		ban, if appropriate, grill lighter fluids and fuel for decorative lamps, labelled R65 or H304
		intended for supply to the general public.
		7. Natural or legal persons placing on the market for the first time lamp oils and grill ligh
		fluids, labelled with R65 or H304, shall by 1 December 2011, and annually thereafter,
		provide data on alternatives to lamp oils and grill lighter fluids labelled R65 or
son for revision: 3		Publication date: 2002-08-23
		Date of revision: 2017-09-15

	Judaio	
		H304 to the competent authority in the Member State concerned. Member States shall make those data available to the Commission.'
oolymethylene polyphenyl isocyanate	Methylenediphenyl diisocyanate (MDI) including the following specific isomers: 4,4'- Methylenediphenyl diisocyanate; 2,4'- Methylenediphenyl diisocyanate; 2,2'- Methylenediphenyl diisocyanate	 Shall not be placed on the market after 27 December 2010, as a constituent of mixtures concentrations equal to or greater than 0,1 % by weight of MDI for supply to the general public, unless suppliers shall ensure before the placing on the market that the packaging: (a) contains protective gloves which comply with the requirements of Council Directive 89/686/EEC; (b) is marked visibly, legibly and indelibly as follows, and without prejudice to other Community legislation concerning the classification, packaging and labelling of substances and mixtures: <i>"</i> — Persons already sensitised to diisocyanates may develop allergic reactions when using this product. Persons suffering from asthma, eczema or skin problems should avoid contact, includin 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. By way of derogation, paragraph 1(a) shall not apply to hot melt adhesives.
National legislation Belgium Soudafoam Gun No data available		
National legislation The Netherland	<u>ls</u>	
	Z (2)	
	A (2)	
National legislation France Soudafoam Gun No data available polymethylene polyphenyl isocy		
Catégorie cancérogène	4,4'-Diisocyanate de diphénylméthane;	
National legislation Germany		
Soudafoam Gun WGK	2: Classification water polluting based o	n the components in compliance with Verwaltungsvorschrift wassergefährdenc
	Stoffe (VwVwS) of 27 July 2005 (Anhang	
polymethylene polyphenyl isocy	anate	
TA-Luft	5.2.5; I	
TRGS900 - Risiko der		siko der Fruchtschädigung braucht bei Einhaltung des Arbeitsplatzgrenzwertes
Fruchtschädigung		Fruchtschädigung braucht bei Einhaltung des Arbeitsplatzgrenzwertes und des
Sensibilisierende Stoffe	biologischen Grenzwertes nicht befürch 4,4'-Methylendiphenyldiisocyanat; Sah; Zielorganen Allergien auslösende	itet zu werden Atemwegssensibilisierende Stoffe Und Hautsensibilisierende Stoffe, an beiden
	pMDI (als MDI berechnet); Sa; Atemwe	
TRGS905 - Krebserzeugend	Techn. ("Polymeres") MDI (pMDI) (in Fo	
TRGS905 - Erbgutverändernd	Techn. ("Polymeres") MDI (pMDI) (in Fo	
TRGS905 -	Techn. ("Polymeres") MDI (pMDI) (in Fo	orm atembarer Aerosole, A-Fraktion); -
Fruchtbarkeitsgefährdend TRGS905 - Fruchtschädigend	Techn. ("Polymeres") MDI (pMDI) (in Fo	nm atembarer Aerosole A-Fraktion): -
Hautresorptive Stoffe	4,4'-Methylendiphenyldiisocyanat; H; H	
	pMDI (als MDI berechnet); H; Hautreson	
alkanes, C14-17, chloro		
TA-Luft	5.2.5; I	
TRGS900 - Risiko der		ne C14-17); Y; Risiko der Fruchtschädigung braucht bei Einhaltung des
Fruchtschädigung		ischen Grenzwertes nicht befürchtet zu werden
Hautresorptive Stoffe	Chloralkane, C14-17 (Chlorierte Paraffi	ne C14-17); H; Hautresorptiv
National legislation United Kingdor	<u>n</u>	
<u>Soudafoam Gun</u> No data available		
polymethylene polyphenyl isocy		
Skin Sensitisation	Isocyanates, all (as -NCO) Except methy	
Respiratory sensitisation	Isocyanates, all (as -NCO) Except methy	/i isocyanate; sen
Other relevant data		
Soudafoam Gun		
No data available		
polymethylene polyphenyl isocy		
IARC - classification	3; Polymethylene polyphenyl isocyanat	e
on for revision: 3		Publication date: 2002-08-23
		Date of revision: 2017-09-15
ion number: 0903		Product number: 38451 14 / 1

	Sou	dafoan	າ Gun	
alkanes, C14-17, ch	loro			
IARC - classificatio	2B; Chlorinated paraffins			
15.2. Chemical safet	v assessment			
	assessment has been conducted for the n	nixture.		
<u>alkanes, C14-17, ch</u>	loro			
A chemical safety a	ssessment has been performed.			
CTION 16: Othe	r information			
	ments referred to under heading 3:			
H220 Extremely fl				
H222 Extremely fl				
	container: May burst if heated. s under pressure; may explode if heated.			
H315 Causes skin				
H317 May cause a	n allergic skin reaction.			
H319 Causes serio				
H332 Harmful if in		difficultion if inhalo	d	
	Ilergy or asthma symptoms or breathing c espiratory irritation.		u.	
H351 Suspected o				
	arm to breast-fed children.			
H373 May cause c H400 Very toxic to	lamage to organs through prolonged or re	epeated exposure i	finhaled.	
	aquatic life with long lasting effects.			
	ong lasting harmful effects to aquatic life.			
(*)	INTERNAL CLASSIFICATION BY BIG			
CLP (EU-GHS)	Classification, labelling and packaging	<mark>; (G</mark> lobally Harmon	ised System in Europe)	
DMEL	Derived Minimal Effect Level			
DNEL	Derived No Effect Level			
EC50 ErC50	Effect Concentration 50 % EC50 in terms of reduction of growth	rate		
LC50	Lethal Concentration 50 %	Tate		
LD50	Lethal Dose 50 %			
NOAEL	No Observed Adverse Effect Level			
NOEC	No Observed Effect Concentration			
OECD	Organisation for Economic Co-operati	ion and Developm	ent	
PBT	Persistent, Bioaccumulative & Toxic			
PNEC STP	Predicted No Effect Concentration Sludge Treatment Process			
vPvB	very Persistent & very Bioaccumulativ	ve		
M-factor				
alkanes, C14-17, ch	loro	100	Acute	BIG
alkanes, C14-17, ch	loro	10	Chronic (NRD)	BIG
Specific concentration				
polymethylene pol ^y	/phenyl isocyanate	C ≥ 5 %	Eye Irrit 2;H319	analogous to Annes
		C≥5% C≥0.1%	Skin Irrit 2;H315	analogous to Annex
		C≥5%	Resp Sens 1;H334 STOT SE 3;H335	analogous to Annes analogous to Annes
		02370	5101323,11333	
ason for revision: 3			Publication date: 2002-08-2	3
ason for revision: 3			Publication date: 2002-08-2 Date of revision: 2017-09-15	
ison for revision: 3				

alkanes, C14-17, chloro	1,0 % ≤ C ≤ 20 %	EUH066	FEICA Position Paper
			on the classification
			and labelling of One
			Component Foam
			(OCF) containing Mid
			Chained Chlorinated
			Paraffin (MCCP) March
			7th 2014)
	1,0 % ≤ C ≤ 20 %	Lact. ; H362	FEICA Position Paper
			on the classification
			and labelling of One
			Component Foam
			(OCF) containing Mid
			Chained Chlorinated
			Paraffin (MCCP) March
			7th 2014)
	0,25 % ≤ C ≤ 20 %	Aquatic Chron. 4;H413	FEICA Position Paper
			on the classification
			and labelling of One
			Component Foam
			(OCF) containing Mid
			Chained Chlorinated
			Paraffin (MCCP) March
			7th 2014)

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 has been elaborated for use within the European Union, Switzerland, Iceland, Norway and Lichtenstein. It may be consulted in other countries, where local legislation with regards to the set-up of safety data sheets will take precedence. It is your obligation to verify and apply such local legislation. 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.

Reason for revision: 3
Revision number: 0903
Revision number: 0903
Revision number: 0903
Revision 2017-09-15
Revision 2017-09-15
Revision 2017-09-15
Revision 2017-09-15
Revision number: 0903
Revisio