

SAFETY DATA SHEET

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

SOUDAFOAM GAP FILLER HAND HELD

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

1.1. Product identifier

: SOUDAFOAM GAP FILLER HAND HELD Product name

Registration number REACH : Not applicable (mixture)

Product type REACH : 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

2 +32 14 42 42 31

4 +32 14 42 65 14

sds@soudal.com

Manufacturer of the product

SOUDAL N.V.

Everdongenlaan 18-20

B-2300 Turnhout

3 +32 14 42 42 31

₼ +32 14 42 65 14 sds@soudal.com

1.4. Emergency telephone number

24h/24h:

+32 14 58 45 45 (BIG)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Class	Category	Hazard statements
Aerosol	categ <mark>ory 1</mark>	H222: Extremely flammable aerosol.
Aerosol	category 1	H229: Pressurised container: May burst if heated.
Carc.	category 2	H351: Suspected of causing cancer.
Lact.	-	H362: May cause harm to breast-fed children.
Resp. Sens.	category 1	H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Skin Sens.	category 1	H317: May cause an allergic skin reaction.
Acute Tox.	category 4	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	categ <mark>ory 4</mark>	H413: May cause long lasting harmful effects to aquatic life.

2.2. Label elements







Contains: polymethylene polyphenyl isocyanate; alkanes, C14-17, chloro.

Danger

Signal word H-statements H222

Extremely flammable aerosol.

H229

Pressurised container: May burst if heated.

H351

Suspected of causing cancer.

Created by: Brandweerinformatiecentrum voor gevaarlijke stoffen vzw (BIG)

Technische Schoolstraat 43 A, B-2440 Geel

http://www.big.be

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Reason for revision: 9.1 Revision number: 0602

Publication date: 2002-02-23 Date of revision: 2019-11-14

Product number: 51803

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 information	on Control of the Con

- 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
propane		74-98-6	1% <c<10%< th=""><th>Flam. Gas 1; H220</th><th>(1)(2)(10)</th><th>Propellant</th></c<10%<>	Flam. Gas 1; H220	(1)(2)(10)	Propellant
01-2119486944-21		200-827-9		Press. Gas - Liquefied gas;		
dimethyl ether		115-10-6	1% <c<15%< td=""><td>Flam. Gas 1; H220</td><td>(1)(2)(10)</td><td>Propellant</td></c<15%<>	Flam. Gas 1; H220	(1)(2)(10)	Propellant
01-2119472128-37		204-065-8		Press. Gas - Liquefied gas;		
polymethylene polyphenyl isoc	yanate	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)(V)	Polymer
isobutane 01-2119485395-27		75-28-5 200-857-2	1% <c<10%< td=""><td>Flam. Gas 1; H220 Press. Gas - Liquefied gas;</td><td>(1)(2)(10)(21)</td><td>Propellant</td></c<10%<>	Flam. Gas 1; H220 Press. Gas - Liquefied gas;	(1)(2)(10)(21)	Propellant
alkanes, C14-17, chloro 01-2119519269-33		85535-85-9 287-477-0	1% <c<20%< td=""><td>Lact. ; H362 Aquatic Acute 1; H400 Aquatic Chronic 1; H410</td><td>(1)(2)(8)(10)</td><td>UVCB</td></c<20%<>	Lact. ; H362 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	(1)(2)(8)(10)	UVCB
reaction mass of tris(2-chloropr tris(2-chloro-1-methylethyl) pho acid, bis(2-chloro-1-methylethyl and phosphoric acid, 2-chloro-1 chloropropyl) ester 01-2119486772-26	osphate and phosphoric I) 2-chloropropyl ester -methylethyl bis(2-		1%C<5%	Acute Tox. 4; H302	(1)(10)	Constituent

- (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
- (18) Polymethylene polyphenyl isocyanate, contains > 0.1% MDI-isomers
- (21) 1,3-butadiene < 0.1%
- (V) Exempted from registration under REACH (Regulation (EC) No 1907/2006, article 2 (9), polymers)

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SECTION 4: First aid measures

4.1. Description of first aid measures

General:

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.

5.3.2 Special protective equipment for fire-fighters:

Gloves (EN 374). Protective goggles (EN 166). Head/neck protection. Protective clothing (EN 14605 or EN 13034). Heat/fire exposure: compressed air apparatus (EN 136 + EN 137).

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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

6.1.1 Protective equipment for non-emergency personnel

See heading 8.2

6.1.2 Protective equipment for emergency responders

Gloves (EN 374). Protective goggles (EN 166). Head/neck protection. Protective clothing (EN 14605 or EN 13034).

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

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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 yo<mark>ur identified use.</mark>

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 exposure limit value)	1920 mg/m³
Belgium			
4,4'-Diisocyanate de di	ohénylméthane (MDI)	Time-weighted average exposure limit 8 h	0.005 ppm
		Time-weighted average exposure limit 8 h	0.052 mg/m ³
Hydrocarbures aliphatiques sous forme gazeuse: (Alcanes C1-C3)		Time-weighted average exposure limit 8 h	1000 ppm
		Short time value	980 ppm
		Short time value	2370 mg/m³
Oxyde de diméthyle		Time-weighted average exposure limit 8 h	1000 ppm
		Time-weighted average exposure limit 8 h	1920 mg/m³
The Netherlands			
Dimethylether		Time-weighted average exposure limit 8 h (Public occupational exposure limit value)	496 ppm
		Time-weighted average exposure limit 8 h (Public occupational exposure limit value)	950 mg/m³
		Short time value (Public occupational exposure limit value)	783 ppm
		Short time value (Public occupational exposure limit value)	1500 mg/m³
rance			
1,4'-Diisocyanate de dip	hénylméthane	Time-weighted average exposure limit 8 h (VL: Valeur non réglementaire indicative)	0.01 ppm
		Time-weighted average exposure limit 8 h (VL: Valeur non réglementaire indicative)	0.1 mg/m ³
		Short time value (VL: Valeur non réglementaire indicative)	0.02 ppm
		Short time value (VL: Valeur non réglementaire indicative)	0.2 mg/m³
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 indicative)	1920 mg/m³

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Germany						
,4'-Methylendiphenyldiis	socyanat		Time-weighted ave	erage exposure limit 8 h (TRGS 900)		0.05 mg/m ³
Chloralkane, C14-17 (Chlo		ffine C14-17)	Time-weighted ave	erage exposure limit 8 h (TRGS 900)		0.3 ppm
			Time-weighted ave	erage exposure limit 8 h (TRGS 900)		6 mg/m³
Dimethylether				erage exposure limit 8 h (TRGS 900)		1000 ppm
				erage exposure limit 8 h (TRGS 900)		1900 mg/m ³
sobutan				erage exposure limit 8 h (TRGS 900)		1000 ppm
				erage exposure limit 8 h (TRGS 900)		2400 mg/m ³
oMDI (als MDI berechnet))			erage exposure limit 8 h (TRGS 900)		0.05 mg/m ³
Propan				erage exposure limit 8 h (TRGS 900)		1000 ppm
			Time-weighted ave	erage exposure limit 8 h (TRGS 900)		1800 mg/m ³
JK						
Dimethyl ether			Time-weighted ave (EH40/2005))	erage exposure limit 8 h (Workplace	e exposure limit	400 ppm
			Time-weighted ave (EH40/2005))	erage exposure limit 8 h (Workplace	e exposure limit	766 mg/m ³
				Workplace exposure limit (EH40/200	05))	500 ppm
				Workplace exposure limit (EH40/200		958 mg/m³
socyanates, all (as -NCO)	Except met	thyl isocyanate	(EH40/2005))	erage exposure limit 8 h (Workplace		0.02 mg/m ³
			Short time value (V	Norkplace exposure limit (EH40/20	05))	0.07 mg/m ³
JSA (TLV-ACGIH)						
Butane, all isomers			Short time value /T	LV - Adopted Value)		1000 ppm
Methylene bisphenyl isoc	vanate (MD	1)		erage exposure limit 8 h (TLV - Adop	nted Value)	0.005 ppm
		'/	i iiiie-weigiiteu ave	ruge exposure minico ii (TEV - AUOL	neu value)	հուոոշ hhiii
b) National biological lim f limit values are applicab		able these will be	e listed helow			
2 Sampling methods	oic affu dVdll	able tilese Will De	ansteu below.			
Product name			Test	Number		
socyanates			NIOSH	5521		
socyanates			NIOSH	5522		
Ilkanes, C14-17, chloro						
	=1)	Type		Value	Pomark	
Effect level (DNEL/DME	EL)	Type	mic effects inhalation	Value 6.7 mg/m³	Remark	
		Long-term syste	mic effects inhalation mic effects dermal	6.7 mg/m³	Remark	
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Effect level (DNEL/DME DNEL eaction mass of tris(2-chlester and phosphoric acid Effect level (DNEL/DME	loropropyl) I, 2-chloro-1 EL)	Long-term syste Long-term syste phosphate and tr -methylethyl bis Type	mic effects dermal ris(2-chloro-1-methylethyl) p (2-chloropropyl) ester	6.7 mg/m³ 47.9 mg/kg bw/day chosphate and phosphoric acid, bis(Value		ylethyl) 2-chloi
Effect level (DNEL/DME DNEL eaction mass of tris(2-chl ester and phosphoric acid	loropropyl) I, 2-chloro-1 EL)	Long-term syste Long-term syste phosphate and to -methylethyl bis Type Long-term syste	mic effects dermal ris(2-chloro-1-methylethyl) r (2-chloropropyl) ester mic effects inhalation	6.7 mg/m³ 47.9 mg/kg bw/day chosphate and phosphoric acid, bis(Value 8.2 mg/m³	2-chloro-1-meth	ylethyl) 2-chlor
Effect level (DNEL/DME DNEL eaction mass of tris(2-chlester and phosphoric acid Effect level (DNEL/DME	loropropyl) 1, 2-chloro-1 E L)	Long-term syste Long-term syste phosphate and to -methylethyl biss Type Long-term syste Acute systemic of	mic effects dermal ris(2-chloro-1-methylethyl) r (2-chloropropyl) ester mic effects inhalation effects inhalation	6.7 mg/m³ 47.9 mg/kg bw/day chosphate and phosphoric acid, bis Value 8.2 mg/m³ 22.6 mg/m³	2-chloro-1-meth	ylethyl) 2-chlor
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Publication date: 2002-02-23

reaction mass of tris(2-chloropropyl) phosphate and tris(2-chloro-1-methylethyl) phosphate and phosphoric acid, bis(2-chloro-1-methylethyl) 2-chloropropyl

ester and phosphoric acid, 2-chloro-1-methylethyl bis(2-chloropropyl) ester

Compartments	Value	Remark
Fresh water	<mark>0.32 mg</mark> /l	
Aqua (intermittent releases)	0.51 mg/l	
Marine water	<mark>0.032 m</mark> g/l	
STP	<mark>19.1 mg/l</mark>	
Fresh water sediment	11.5 mg/kg sediment dw	
Marine water sediment	1.15 mg/kg sediment dw	
Soil	<mark>0.34 mg/</mark> kg soil dw	
Oral	11.6 mg/kg food	

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 hygiene - avoid contact. Do not eat, drink or smoke during work.

a) Respiratory protection:

Full face mask with filter type A at conc. in air > exposure limit.

b) Hand protection:

Protective gloves against chemicals (EN 374).

Materials	Measured breakthrough time	Remark	Protection index
LDPE (Low Density Poly	> 10 minutes	0.025 mm	Class 1
Ethylene)			

c) Eye protection:

Protective goggles (EN 166).

d) Skin protection:

Head/neck protection. Protective clothing (EN 14605 or EN 13034).

8.2.3 Environmental exposure controls:

See headings 6.2, 6.3 and 13

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical form		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				
Evaporation rate		No data available				
Relative vapour density		>1				
Vapour pressure		In the pressurized container the vapour pressure exceeds 500 kPa. After foam release, the vapour pressure is very low (not declared)				
Solubility		Organic solvents; soluble				
		Water ; insoluble				
Relative density		0.95; 20°C				
Decomposition tempera	ture	No data available				
Auto-ignition temperatu	re	No data available				
Flash point		Not applicable				
Explosive properties		No chemical group associated with explosive properties				
Oxidising properties		No chemical group associated with oxidising properties				
рН		No data available				

9.2. Other information

Absolute density	950 kg/m³ ; 20 °C		
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Date of revision: 2019-11-14

Revision number: 0602 Product number: 51803 6 / 17

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

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).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

11.1.1 Test results

Acute toxicity

SOUDAFOAM GAP FILLER HAND HELD

No (test)data on the mixture available

Judgement is based on the relevant ingredients

polymethylene polyphenyl isocyanate

Route of exposure	Parameter	Method	Value	Exposure time	Species	Value	Remark
						determination	
Oral	LD50		<mark>> 10000</mark> mg/kg		Rat	Literature study	
Dermal	LD50		<mark>> 5000 m</mark> g/kg		Rabbit	Literature study	
Inhalation (vapours)	LC50		11 mg/l	4 h		Literature	

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	

reaction mass of tris(2-chloropropyl) phosphate and tris(2-chloro-1-methylethyl) phosphate and phosphoric acid, bis(2-chloro-1-methylethyl) 2-chloropropyl

ester and phosphoric acid, 2-chloro-1-methylethyl bis(2-chloropropyl) ester

Route of exposure	Parameter	Method	Value	Exposure time	Species	Value	Remark
						determination	
Oral	LD50	EU Method B.1	632 mg/kg bw		Rat (female)	Experimental value	
Dermal	LD50	OECD 402	> 2000 mg/kg bw	24 h	Rat (male / female)	Experimental value	
Inhalation (aerosol)	LC50	OECD 403	> 7 mg/l	4 h	Rat (male / female)	Experimental value	

Conclusion

Harmful if inhaled.

Not classified as acute toxic in contact with skin

Not classified as acute toxic if swallowed

Corrosion/irritation

SOUDAFOAM GAP FILLER HAND HELD

No (test)data on the mixture available

Classification is based on the relevant ingredients

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Date of revision: 2019-11-14

Revision number: 0602 Product number: 51803 7 / 17

Skin critating: category 2 Sinhalation Strating: stro's Eart3 Skanes, CL4 17, Chioro Route of exposure Result Method Exposure time Time point Species Value determination Spin Sightly-irritating Skin Skin Sightly-irritating Skin Skin Skin Skin Skin Skin Skin Skin	Woute of evenouire	nenyl iso <mark>cyanate</mark>		I_				h	<u> </u>
ger inflating: colors of colors of the color	Route of exposure	Result	Method	Expo	sure time	Time point	Species	Value determination	Remark
Skin cycle of exposure Result Method Exposure time Deservation time Species Oracle of the Method Exposure time Time point Species Oracle of the Species Or	Eye	O,						Literature study	
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Special Sign	Route of exposure	Result	Method	Expo	sure time	Time point	Species		Remark
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Route of exposure Result Method Exposure time Time point Species Value determination Remark determination Page 14 (4) 48:72 hours Rabbit Experimental value Remark determination Remark determination Remark determination Remark (4) 44:48:72 hours Rabbit Experimental value Reprimental value Remark (4) 44:48:72 hours Rabbit Experimental value Reprimental value R				4 h		24; 72 hours			
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Skin Not irritating OECD 405 24 h 24; 48; 72 hours Rabbit Experimental value Not irritating OECD 404 4 h 24; 48; 72 hours Rabbit Experimental value Route of exposure Result Scin reaction. Route of exposure Result Method Exposure time Diservation time Species Value determination Remark Skin Not sensitizing Guinea pig maximisation test reaction mass of irris2-chloropropyl phosphate and prosphoric acid. 2 chloro-1 methylethyl bids chloropropyl state and phosphoric acid. 5 chloro-1 methylethyl bids chloropropyl state and phosphoric acid. 5 chloro-1 methylethyl bids chloropropyl state and phosphoric acid. 5 chloro-1 methylethyl bids chloropropyl state and phosphoric acid. 5 chloro-1 methylethyl bids chloropropyl state and phosphoric acid. 5 chloro-1 methylethyl bids chloropropyl state and phosphoric acid. 5 chloro-1 methylethyl bids chloropropyl state and phosphoric acid. 5 chloro-1 methylethyl bids chloropropyl state and phosphoric acid. 5 chloro-1 methylethyl bids chloropropyl state and phosphoric acid. 5 chloro-1 methylethyl bids chloropropyl state and phosphoric acid. 5 chloro-1 methylethyl bids chloropropyl state and phosphoric acid. 5 chloro-1 methylethyl bids chloropropyl state and phosphoric acid. 5 chloro-1 methylethyl bids chloropropyl state and phosphoric acid. 5 chloro-1 methylethyl bids chloropropyl state and phosphoric acid. 5 chloro-1 methylethyl bids chloropropyl state and phosphoric acid. 5 chloro-1 methylethyl bids chloropropyl state and phosphoric acid. 5 chloro-1 methylethyl bids chloropropyl state and phosphoric acid. 5 chloro-1 methylethyl bids chloropropyl state and phosphoric acid. 5 chloro-1 methylethyl bids chloropropyl state and phosphoric acid. 5 chloro-1 methylethyl bids chloropropyl state and phosphoric acid. 5 chloro-1 methylethyl bids chloropropyl state and phosphoric acid. 5 chloro-1 methylethyl bids chloropropyl state and phosphoric acid. 5 chloro-1 methylethyl bids chloropropyl state and phosphoric acid. 5 chloro-1 methylethyl bids chloropropyl state and phosphoric acid. 5 chlor	Route of exposure	Result	Method	Expo	sure time	Time point	Species		Remark
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Date of revision: 2019-11-14

reaction mass of tris(2-chloropropyl) phosphate and tris(2-chloro-1-methylethyl) phosphate and phosphoric acid, bis(2-chloro-1-methylethyl) 2-chloropropyl

ester and phosphoric acid, 2-chloro-1-methylethyl bis(2-chloropropyl) ester

Route of exposure	Parar	neter	Method	Value	Organ	Effect	Exposure time		Value determination
Oral (diet)	NOAE			171 mg/kg bw/day		No effect	13 weeks (daily)		Experimental value
Oral (diet)	LOAE			52 mg/kg bw/day	Liver	Weight gain	13 weeks (daily)		Experimental value
Inhalation	Dose	level		0.586 mg/l air		No effect		` ,	Experimental value

Conclusion

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

Not classified as sub-chronically toxic in contact with skin

Not classified as sub-chronically toxic if swallowed

Mutagenicity (in vitro)

SOUDAFOAM GAP FILLER HAND HELD

No (test)data on the mixture available

Classification is based on the relevant ingredients

alkanes, C14-17, chloro

Result	Method	Test substrate	Effect	Value determination	Remark
Negative with metabolic	OECD 471	Bacteria (S.typhimurium)	No effect	Experimental value	
activation, negative					
without metabolic					
activation					

reaction mass of tris(2-chloropropyl) phosphate and tris(2-chloro-1-methylethyl) phosphate and phosphoric acid, bis(2-chloro-1-methylethyl) 2-chloropropyl

ester and phosphoric acid, 2-chloro-1-methylethyl bis(2-chloropropyl) ester

Result	Method	Test substrate	Effect	Value determination	Remark
Negative with metabolic	OECD 482	Rat liver cells		Experimental value	
activation, negative					
without metabolic					
activation					
Negative without	OECD 476	Mouse (lymphoma L5178Y		Experimental value	
metabolic activation,		cells)			
positive with metabolic					
activation					

Mutagenicity (in vivo)

SOUDAFOAM GAP FILLER HAND HELD

No (test)data on the mixture available

Classification is based on the relevant ingredients

alkanes, C14-17, chloro

Result		Method	Exposure time	Test substrate	Organ	Value determination
Negative		Equivalent to OECD 475	5 day(s)	Rat (male)	Bone marrow	Experimental value
Negative		Equivalent to OECD 474		Mouse (male / female)	Bone marrow	Experimental value

reaction mass of tris(2-chloropropyl) phosphate and tris(2-chloro-1-methylethyl) phosphate and phosphoric acid, bis(2-chloro-1-methylethyl) 2-chloropropyl

ester and phosphoric acid, 2-chloro-1-methylethyl bis(2-chloropropyl) ester

Result	Method	Exposure time	Test substrate	Organ	Value determination
Negative	OECD 474		Mouse (male / female)	Bone marrow	Experimental value

Conclusion

Not classified for mutagenic or genotoxic toxicity

Carcinogenicity

SOUDAFOAM GAP FILLER HAND HELD

No (test)data on the mixture available

Classification is based on the relevant ingredients

polymethylene polyphenyl isocyanate

	Route of	Parameter	Method	Value	Exposure time	Species	Effect	Organ	Value
	exposure								determination
	Unknown			category 2					Literature study
ıı.	noc C1/117 c	hloro							

alkanes, C14-17, chloro

tarres, ex r x ,									
Route of	Parameter	Method	Value	Exposure time	Species	Effect	Organ	Value	
exposure								determination	
Oral	LOAEL	Equivalent to	312 mg/kg	104 weeks (5 days /	Rat (male /	Carcinogenicity	Liver; kidney	Read-across	
		OECD 451	bw/day	week)	female)				
Oral	LOAEL	Equivalent to	312 mg/kg	103 weeks (5 days /	Rat (male /	Carcinogenicity	Thyroid	Read-across	
		OECD 451	bw/day	week)	female)				

Reason for revision: 9.1 Publication date: 2002-02-23
Date of revision: 2019-11-14

Revision number: 0602 Product number: 51803 9 / 17

reaction mass of tris(2-chloropropyl) phosphate and tris(2-chloro-1-methylethyl) phosphate and phosphoric acid, bis(2-chloro-1-methylethyl) 2-chloropropyl

ester and phosphoric acid, 2-chloro-1-methylethyl bis(2-chloropropyl) ester

Route of	Parameter	Method	Value	Exposure time	Species	Effect	Organ	Value
exposure								determination
Unknown								Data waiving

Conclusion

Suspected of causing cancer.

Reproductive toxicity

SOUDAFOAM GAP FILLER HAND HELD

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)			Experimental value
Effects on lactation	LOAEL		3125 mg/kg bw		Rat (male / female)	Increased mortality in the pups		Experimental value

reaction mass of tris(2-chloropropyl) phosphate and tris(2-chloro-1-methylethyl) phosphate and phosphoric acid, bis(2-chloro-1-methylethyl) 2-chloropropyl

ester and phosphoric acid, 2-chloro-1-methylethyl bis(2-chloropropyl) ester

	Parameter	Method	Value	Exposure time	Species	Effect	- 3 -	Value determination
Developmental toxicity (Oral (stomach tube))	NOAEL		500 mg/kg bw/day	21 day(s)	Rabbit	No effect		Experimental value
Maternal toxicity (Oral (stomach tube))	NOAEL		500 mg/kg bw/day	21 day(s)	Rabbit	No effect		Experimental value
Effects on fertility (Oral (diet))	LOAEL		99 mg/kg bw/day		Rat (male / female)		Female reproductive organ	Experimental value

Conclusion

May cause harm to breast-fed children.

Not classified for reprotoxic or developmental toxicity

Toxicity other effects

SOUDAFOAM GAP FILLER HAND HELD

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		 Experimental value Skin

Chronic effects from short and long-term exposure

SOUDAFOAM GAP FILLER HAND HELD

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.

SECTION 12: Ecological information

12.1. Toxicity

SOUDAFOAM GAP FILLER HAND HELD

No (test)data on the mixture available

Classification is based on the relevant ingredients

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Date of revision: 2019-11-14

Revision number: 0602 Product number: 51803 10 / 17

	Parameter	Method	٧	/alue)	Durati	on Sp	ecies	Test design	Fresh/salt water	Value determinat
Acute toxicity other aquatic organisms	LC50		>	100	0 mg,	/l 96 h					Literature study
Toxicity aquatic micro-	EC50	OECD 209) >	100	mg/l		Ac	tivated sludge			Literature study
anes, C14-17, chloro		<u>'</u>									
	Parameter	Method		/alue		Durati		ecies	Test design	Fresh/salt water	Value determina
Acute toxicity fishes	LC50	Equivalen OECD 203		500	0 mg,	/I 96 h		burnus ournus	Static syster	n Brackish water	Experimental value Nominal concentration
Acute toxicity crustacea	EC50	OECD 202	2 0	0.006	mg/l	48 h	Da	aphnia magna	Static syster	n Fresh water	Experimental val
oxicity algae and other aqu <mark>ations of the sequations of the sequential and sequen</mark>	NOEC	OECD 201	L C).1 m	ıg/l	96 h		eudokirchnerie subcapitata	Static syster	n Fresh water	Experimental val GLP
	ErC50	OECD 201	L >	3.2	mg/l	72 h		eudokirchnerie subcapitata	Static syster	n Fresh water	Experimental val
ong-term toxicity fish	NOEC	Equivalen OECD 204		125	μg/l	14 day	ı(s) All	burnus	Semi-static system	Brackish water	Experimental val
ong-term toxicity aquatic	NOEC	OECD 202).01 r	ng/l	21 day		aphnia magna		n Fresh water	Experimental val
. ustacca	Parameter	Metho	od			Value		Duration	Spec	ies	Value determina
Toxicity soil macro-organisms	NOEC	OECD				900 mg/kg	g soil dw	56 day(s)		ia fetida	Experimental val
Toxicity soil micro-organisms	NOEC	OECD					kg soil dw	, , ,			Experimental val
	EC50	OECD				Ă	kg soil dw	28 day(s)			Experimental val
Facilità de mandale la la che	NOTO	OECD	200			> 5000	- /1	1	Duran		F a sina a sabalal
Toxicity terrestrial plants	NOEC			·		≥ 5000 mg		28 day(s)		sica napus	Experimental val
Toxicity birds	LC50	Equiva 205	aient t	:0 OE	CD	> 24603 m	ng/kg food	5 day(s)	Pnas	anus colchicus	Experimental val
	NOEC	Equiva 205	alent t	:o OE	CD	24603 mg	/kg food	5 day(s)	Phas	anus colchicus	Experimental val
action mass of tris(2-chloroproproproproproproproproproproproprop	yl) phosphate	205 and tris(2-	chlor	o-1-n	nethy	lethyl) ph					Experimental values
action mass of tris(2-chloroproger and phosphoric acid, 2-chloroproger a	yl) phosphate	205 and tris(2-	chloro	o-1-n	nethy I) este	lethyl) ph	osphate ar			oro-1-methyletl	nyl) 2-chloropropy
	oyl) phosphate o-1-methylet	205 and tris(2- hyl bis(2-ch	chloropi	o-1-n ropyl	nethy I) este	lethyl) pho	osphate ar on Sp Br	nd phosphoric a	cid, bis(2-chl	oro-1-methyletl Fresh/salt water	value determina
er and phosphoric acid, 2-c <mark>hlo</mark> i	pyl) phosphate o-1-methylet Parameter	205 e and tris(2- hyl bis(2-ch Method	-chloro iloropi V	o-1-n ropyl /alue	nethy I) este e mg/I	rlethyl) pho er Durati	osphate ar on Sp Br re	nd phosphoric a pecies achydanio	cid, bis(2-chl Test design Static syster	oro-1-methyletl Fresh/salt water	Value determina Experimental val GLP Experimental val
er and phosphoric acid, 2-chlor	pyl) phosphate o-1-methyleti Parameter LC50 LC50	205 e and tris(2- hyl bis(2-ch Method	-chlore llorope V	o-1-n ropyl /alue	nethy l) este e mg/l	plethyl) pho er Durati 96 h	osphate an on Sp Br rei Da	nd phosphoric a pecies achydanio rio	Test design Static syster Static syster	Fresh/salt water n Fresh water n Fresh water	Value determina Experimental val GLP Experimental val Locomotor effect
Acute toxicity fishes Acute toxicity crustacea Toxicity algae and other aquatic	pyl) phosphate o-1-methyleti Parameter LC50 LC50	205 e and tris(2- hyl bis(2-ch Method Other	-chlore llorope V	0-1-n ropyl /alue 66.2 r	nethy l) este e mg/l	plethyl) pho er Durati 96 h	osphate an on Sp Br rei Da	nd phosphoric a pecies achydanio rio aphnia magna eudokirchnerie	Test design Static syster Static syster	Fresh/salt water n Fresh water n Fresh water	Value determina Experimental val GLP Experimental val Locomotor effect Experimental val
Acute toxicity fishes Acute toxicity crustacea Toxicity algae and other aquatic	pyl) phosphate o-1-methyleti Parameter LC50 LC50	205 e and tris(2- hyl bis(2-ch Method Other	-chlore lloropp 5 1	0-1-n ropyl /alue 66.2 r	nethy l) este mg/l mg/l	plethyl) pho er Durati 96 h	osphate ar	nd phosphoric a pecies achydanio rio aphnia magna eudokirchnerie	Test design Static syster Static syster	Fresh/salt water n Fresh water n Fresh water	Value determina Experimental val GLP Experimental val Locomotor effect Experimental val GLP Data waiving
Acute toxicity fishes Acute toxicity crustacea Toxicity algae and other aquaticularits Long-term toxicity fish Long-term toxicity aquatic	pyl) phosphate o-1-methyleti Parameter LC50 LC50 ErC50	205 e and tris(2- hyl bis(2-ch Method Other OECD 201	-chlore None 5 1 1 1 8	0-1-n ropyl/alue 66.2 r .31 m	methy l) este mg/l mg/l	plethyl) phoen pho	osphate an Sp Br re Da Ps Ila r(s) Da	nd phosphoric a pecies achydanio rio aphnia magna eudokirchnerie subcapitata	cid, bis(2-chl Test design Static syster Static syster Static syster Static syster	Fresh/salt water Fresh water Fresh water Fresh water Fresh water Fresh water	Value determina Experimental val GLP Experimental val Locomotor effect Experimental val GLP Data waiving Experimental val GLP
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Acute toxicity fishes Acute toxicity fishes Acute toxicity crustacea Foxicity algae and other aquatic clants Long-term toxicity fish Long-term toxicity aquatic crustacea Foxicity aquatic micro- lorganisms Clusion By cause long lasting harmful effective and degral classes Lymethylene polyphenyl isocya Biodegradation water Method OECD 302C: Inherent Biodegra Modified MITI Test (II)	pyl) phosphate ro-1-methyleti Parameter LC50 LC50 ErC50 NOEC EC50 fects to aquat dability nate	205 e and tris(2- hyl bis(2-ch Method Other OECD 201 ISO 8192 Value	-chloro lloropi 5 1 1 L 8	70-1-n ropyl 7alue 66.2 r 331 m	methy l) este mg/l mg/l	96 h 48 h 72 h	osphate and Sphate and	achydanio rio aphnia magna eudokirchnerie subcapitata aphnia magna ittivated sludge	cid, bis(2-chl Test design Static syster Static syster Static syster Semi-static system Static syster	Fresh/salt water Fresh water	Value determina Experimental val GLP Experimental val Locomotor effect Experimental val GLP Data waiving Experimental val GLP Experimental val GLP Experimental val GLP
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Acute toxicity fishes Acute toxicity crustacea Foxicity algae and other aquaticulants Long-term toxicity fish Long-term toxicity aquaticulants Foxicity aquaticular micro- Lorganisms Clusion By cause long lasting harmful eff 2. Persistence and degraty Lymethylene polyphenyl isocya Biodegradation water Method OECD 302C: Inherent Biodegraty Modified MITI Test (II) Longs, C14-17, chloro Biodegradation water	pyl) phosphate o-1-methyleti Parameter LC50 LC50 ErC50 NOEC EC50 fects to aquat dability nate	205 e and tris(2- hyl bis(2-ch Method Other OECD 201 ISO 8192 ic life. Value < 60 %	-chloropi N 55 11 1 8 8 7 7 7	70-1-n ropyl 7alue 66.2 r 331 m	methy l) este mg/l mg/l	96 h 48 h 72 h	osphate and Spanish Psulla Psu	achydanio rio aphnia magna eudokirchnerie subcapitata aphnia magna attivated sludge	cid, bis(2-chl Test design Static syster Static syster Static syster Semi-static system Static syster V E	Fresh/salt water Fresh water alue determina	Value determina Experimental val GLP Experimental val Locomotor effect Experimental val GLP Data waiving Experimental val GLP
Acute toxicity fishes Acute toxicity crustacea Foxicity algae and other aquaticulants Long-term toxicity fish Long-term toxicity aquaticulants Foxicity aquaticular micro- Lorganisms Clusion Lay cause long lasting harmful eff 2. Persistence and degra Lymethylene polyphenyl isocya Biodegradation water Method OECD 302C: Inherent Biodegra Modified MITI Test (II) Lanes, C14-17, chloro Biodegradation water Method OECD 301D: Closed Bottle Tes Biodegradation soil	pyl) phosphate o-1-methyleti Parameter LC50 LC50 ErC50 NOEC EC50 fects to aquat dability nate	205 e and tris(2- hyl bis(2-ch Method Other OECD 201 ISO 8192 ISO 8192 Value < 60 % Value 37 %; GLP	-chloropi N 55 11 1 8 8 7 7 7	70-1-n ropyl 7alue 66.2 r 331 m	methy l) este mg/l mg/l	96 h 48 h 72 h	Duration Duration Duration Duration Duration	achydanio rio aphnia magna eudokirchnerie subcapitata aphnia magna ettivated sludge	cid, bis(2-chl Test design Static syster Static syster Static syster Semi-static system Static syster	Fresh/salt water Fresh water Alue determinal value determinal experimental value determinal value determinal value determinal experimental experi	Value determina Experimental val GLP Experimental val Locomotor effect Experimental val GLP Data waiving Experimental val GLP Experimental val GLP Experimental val GLP tion ue
Acute toxicity fishes Acute toxicity crustacea Foxicity algae and other aquaticulants Long-term toxicity fish Long-term toxicity aquaticulants Foxicity aquaticular micro- Lorganisms Clusion Lay cause long lasting harmful eff 2. Persistence and degra Lymethylene polyphenyl isocya Biodegradation water Method OECD 302C: Inherent Biodegra Modified MITI Test (II) Lanes, C14-17, chloro Biodegradation water Method OECD 301D: Closed Bottle Tes	pyl) phosphate o-1-methyleti Parameter LC50 LC50 ErC50 NOEC EC50 fects to aquat dability nate	205 e and tris(2- hyl bis(2-ch Method Other OECD 201 ISO 8192 Iso 8192 Value < 60 %	-chloropi N 55 11 8 8 7 7 7 7	70-1-n ropyl 7alue 66.2 r 331 m	methy l) este mg/l mg/l	96 h 48 h 72 h	osphate ar on Sp Br re Da Ps Ila r(s) Da Ac Duration	achydanio rio aphnia magna eudokirchnerie subcapitata aphnia magna ettivated sludge	cid, bis(2-chl Test design Static syster Static syster Static syster Semi-static system Static syster	Fresh/salt water Fresh water Alue determinal value v	Value determina Experimental value determina Experimental value Locomotor effect Experimental value Locomotor effect Experimental value Exper

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reaction mass of tris(2-chloropropyl) phosphate and tris(2-chloro-1-methylethyl) phosphate and phosphoric acid, bis(2-chloro-1-methylethyl) 2-chloropropyl ester and phosphoric acid, 2-chloro-1-methylethyl bis(2-chloropropyl) ester **Biodegradation water** Method Value Duration Value determination OECD 301E: Modified OECD Screening Test 14 %: GLP 28 day(s) Experimental value Phototransformation air (DT50 air) Method Value Conc. OH-radicals Value determination AOPWIN v1.92 8.6 h 500000 /cm³ Calculated value Half-life water (t1/2 water) Value Value determination Method Primary degradation/mineralisation EU Method C.7 > 1 year(s) Primary degradation Experimental value Contains non readily biodegradable component(s) 12.3. Bioaccumulative potential SOUDAFOAM GAP FILLER HAND HELD Log Kow Method Value Temperature Value determination Remark Not applicable (mixture) polymethylene polyphenyl isocyanate **BCF** fishes **Parameter** Method Value Duration Species Value determination Pisces BCF Literature study Log Kow Method Value determination Remark Value Temperature No data available alkanes, C14-17, chloro **BCF** fishes Method Value determination Parameter Value Duration Species BCF OECD 305 Oncorhynchus mykiss 6660 35 day(s) Experimental value Log Kow Method Remark Value Temperature Value determination 5.47 - 8.01 Experimental value reaction mass of tris(2-chloropropyl) phosphate and tris(2-chloro-1-methylethyl) phosphate and phosphoric acid, bis(2-chloro-1-methylethyl) 2-chloropropyl ester and phosphoric acid, 2-chloro-1-methylethyl bis(2-chloropropyl) ester **BCF** fishes **Parameter** Method Value Duration Species Value determination BCF **OECD 305** 0.8 - 14; Fresh 6 week(s) Cyprinus carpio Experimental value Log Kow Value Value determination Method Remark Temperature EU Method A.8 2.68 30°C Experimental value Conclusion Contains bioaccumulative component(s) 12.4. Mobility in soil alkanes, C14-17, chloro (log) Koc **Parameter** Method Value Value determination log Koc Experimental value -1-methylethyl) 2-chloropropyl reaction mass of tris(2-chloropropyl) phosphate and tris(2-chloro-1-methylethyl) phosphate and phosphoric acid, bis(2-chloro ester and phosphoric acid, 2-chloro-1-methylethyl bis(2-chloropropyl) ester (log) Koc Value determination Parameter Method Value log Koc EU Method C.19 2.76 Experimental value Percent distribution Method Fraction biota Fraction Fraction soil Fraction water Value determination Fraction air sediment Mackay level I 0.01 % 0 % 3.55 % 3.52 % 92.89 % Read-across 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.

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12.6. Other adverse effects

SOUDAFOAM GAP FILLER HAND HELD

Greenhouse gases

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)

polymethylene polyphenyl isocyanate

Greenhouse gases

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

SECTION 13: Disposal considerations

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

13.1. Waste treatment methods

13.1.1 Provisions relating to waste

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

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

Reason for revision: 9.1

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. <u>UN number</u> 1950 UN number 14.2. UN proper shipping name Aerosols Proper shipping name 14.3. Transport hazard class(es) Hazard identification number Class Classification code 5F 14.4. Packing group Packing group Labels 2.1 . Environmental hazards Environmentally hazardous substance mark no 14.6. Special precautions for user Special provisions 190 Special provisions 327 344 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) Rail (RID) 14.1. UN number 1950 UN number 14.2. UN proper shipping name Proper shipping name Aerosols 14.3. Transport hazard class(es) Hazard identification number Class Classification code 14.4. Packing group Packing group 2.1 Labels 14.5. Environmental hazards Environmentally hazardous substance mark no

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4.6. Special precautions for user	100
Special provisions	190
Special provisions	327
Special provisions	344
Special provisions	625
Limited quantities	Combination packagings: not more than 1 liter per inner packaging f liquids. A package shall not weigh more than 30 kg. (gross mass)
nd waterways (ADN)	
4.1. UN number	
UN number	1950
4.2. UN proper shipping na <mark>me</mark>	
Proper shipping name	Aerosols
4.3. Transport hazard class(es)	
Class	2
Classification code	5F
4.4. Packing group	
Packing group	
Labels	2.1
4.5. Environmental hazards	
Environmentally hazardous substance mark	no
4.6. Special precautions for user Special provisions	190
Special provisions	327
Special provisions Special provisions	344
Special provisions	625
Limited quantities	Combination packagings: not more than 1 liter per inner packaging f
Limited quantities	liquids. A package shall not weigh more than 30 kg. (gross mass)
(IMDG/IMSBC)	
4.1. UN number	
UN number	1950
4. <mark>2. UN proper shipping na<mark>me</mark></mark>	
Proper shipping name	aerosols
4.3. Transport hazard class(<mark>es)</mark>	
Class	2.1
4.4. Packing group	
Packing group	
Labels	2.1
4.5. Environmental hazards Marine pollutant	
Environmentally hazardous substance mark	no
4.6. Special precautions for user	ļilo .
Special previsions	190
Special provisions	277
Special provisions	327
Special provisions	344
Special provisions	381
Special provisions	63
Special provisions	959
Limited quantities	Combination packagings: not more than 1 liter per inner packaging fliquids. A package shall not weigh more than 30 kg. (gross mass)
L. 47. Transport in bulk according to Annex II of Marpol and the Annex II of MARPOL 73/78	
	inot applicable
(ICAO-TI/IATA-DGR)	
4.1. UN number	
UN number	1950
4.2. UN proper shipping name	
Proper shipping name	Aerosols, flammable
4.3. Transport hazard class(es)	24
Class	2.1
1.4. Packing group	
Packing group	2.1
Labels	2.1
4.5. Environmentally hazardous substance mark	100
Environmentally hazardous substance mark	no
4.6. Special precautions for user Special provisions	A145
ppedai provisions	A145 A167
Special provisions	
Special provisions Special provisions	
Special provisions Special provisions	A802

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Passenger and cargo transport

Limited quantities: maximum 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	
23.41 % - 24.06 %			
222.35 g/l - 228.57 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.

and use of certain dang	gerous s	substances, mixtures and articles.	
		Designation of the substance, of the group of substances or of the mixture	Conditions of restriction
· polymethylene polyphenyl isocyana alkanes, C14-17, chloro · reaction mass of tris(2-chloropropy phosphate and tris(2-chloro-1-meth phosphate and phosphoric acid, bis(chloro-1-methylethyl) 2-chloropropy and phosphoric acid, 2-chloro-1-methis(2-chloropropyl) ester	l) ylethyl) 2- yl ester	Liquid substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: (a) hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories and 2, 2.14 categories 1 and 2, 2.15 types A to F; (b) hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10; (c) hazard class 4.1; (d) hazard class 5.1.	phases, for example in ornamental lamps and ashtrays, — tricks and jokes, — games for one or more participants, or any article intended to be used as such, even with 1 ornamental aspects,
· polymethylene polyphenyl isocyana	ate	Methylenediphenyl diisocyanate (MDI) including the following specific isomers: 4,4'-Methylenediphenyl diisocyanate; 2,4'-Methylenediphenyl diisocyanate; 2,2'-Methylenediphenyl diisocyanate	1. Shall not be placed on the market after 27 December 2010, as a constituent of mixtures in 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: "— 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. By way of derogation, paragraph 1(a) shall not apply to hot melt adhesives.
National logislation Relaium			

National legislation Belgium

SOUDAFOAM GAP FILLER HAND HELD

No data available

National legislation The Netherlands

SOUDAFOAM GAP FILLER HAND HELD

Waterbezwaarlijkheid Z (2); Algemene Beoordelingsmethodiek (ABM)

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alkanes, C14-17, chloro					
SZW - Lijst van voor de		Alkanen, C14-C17, chloor; M	ay cause harm to breastfed babies		
voortplanting giftige st	offen				
(borstvoeding)					
ational legislation France					

Nat

SOUDAFOAM GAP FILLER HAND HELD

No data available

polymethylene polyphenyl isocyanate

Catégorie cancérogène 4,4'-Diisocyanate de diphénylméthane; C2

National legislation Germany

SOUDAFOAM GAP FILLER HAND HELD

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

polymethylene polyphenyl isocyanate

TA-Luft	5. <mark>2.5/I</mark>
TRGS900 - Risiko der	4,4'-Methylendiphenyldiisocyanat; Y; Risiko der Fruchtschädigung braucht bei Einhaltung des Arbeitsplatzgrenzwertes
Fruchtschädigung	und des biologischen Grenzwertes nicht befürchtet zu werden
	pMDI (als MDI berechnet); Y; Risiko der Fruchtschädigung braucht bei Einhaltung des Arbeitsplatzgrenzwertes und des
	biologischen Grenzwertes nicht befürchtet zu werden
Sensibilisierende Stoffe	4,4'-Methylendiphenyldiisocyanat; Sah, Atemwegssensibilisierende Stoffe Und Hautsensibilisierende Stoffe, an beiden
	Zielorganen Allergien auslösende
	pMDI (als MDI berechnet); Sa; Atemwegssensibilisierende Stoffe
TRGS905 - Krebserzeug <mark>end</mark>	Techn. ("Polymeres") MDI (pMDI) (in Form atembarer Aerosole, A-Fraktion); 2
TRGS905 - Erbgutverändernd	Techn. ("Polymeres") MDI (pMDI) (in Form atembarer Aerosole, A-Fraktion); -
TRGS905 -	Techn. ("Polymeres") MDI (pMDI) (in Form atembarer Aerosole, A-Fraktion); -
Fruchtbarkeitsgefährdend	
TRGS905 - Fruchtschädigend	Techn. ("Polymeres") MDI (pMDI) (in Form atembarer Aerosole, A-Fraktion); -
Hautresorptive Stoffe	4,4'-Methylendiphenyldiisocyanat; H; Hautresorptiv
	pMDI (als MDI berechnet); H; Hautresorptiv

alkanes, C14-17, chloro

TA-Luft	5.2.5/I
TRGS900 - Risiko der	Chloralkane, C14-17 (Chlorierte Paraffine C14-17); Y; Risiko der Fruchtschädigung braucht bei Einhaltung des
Fruchtschädigung	Arbeitsplatzgrenzwertes und des biologischen Grenzwertes nicht befürchtet zu werden
Hautresorptive Stoffe	Chloralkane, C14-17 (Chlorierte Paraffine C14-17); H; Hautresorptiv

reaction mass of tris(2-chloropropyl) phosphate and tris(2-chloro-1-methylethyl) phosphate and phosphoric acid, bis(2-chloro-1-methylethyl) 2-chloropropyl) ester and phosphoric acid, 2-chloro-1-methylethyl bis(2-chloropropyl) ester

TA-Luft

National legislation United Kingdom

SOUDAFOAM GAP FILLER HAND HELD

No data available

polymethylene polyphenyl isocyanate

Skin Sensitisation	Isocyanates, all (as -NCO) Except methyl isocyanate; Sen
Respiratory sensitisation	Isocyanates, all (as -NCO) Except methyl isocyanate; Sen

Other relevant data

SOUDAFOAM GAP FILLER HAND HELD

No data available

polymethylene polyphenyl isocyanate

IARC - classification	3; Polymethylene polyphenyl isocyanate
alkanes, C14-17, chloro	
IARC - classification	2B; Chlorinated paraffins

15.2. Chemical safety assessment

No chemical safety assessment has been conducted for the mixture.

SECTION 16: Other information

Full text of any H-statements referred to under heading 3:

H220 Extremely flammable gas.

H222 Extremely flammable aerosol.

H229 Pressurised container: May burst if heated.

H280 Contains gas under pressure; may explode if heated.

H302 Harmful if swallowed.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H335 May cause respiratory irritation.

H351 Suspected of causing cancer.

H362 May cause harm to breast-fed children.

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

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.H413 May cause long lasting harmful effects to aquatic life.

(*) INTERNAL CLASSIFICATION BY BIG

ADI Acceptable daily intake

AOEL Acceptable operator exposure level

CLP (EU-GHS) Classification, labelling and packaging (Globally Harmonised System in Europe)

DMEL Derived Minimal Effect Level
DNEL Derived No Effect Level
EC50 Effect Concentration 50 %

ErC50 EC50 in terms of reduction of growth rate

LC50 Lethal Concentration 50 %

LD50 Lethal Dose 50 %

NOAEL No Observed Adverse Effect Level

NOEC No Observed Effect Concentration

OECD Organisation for Economic Co-operation and Development

PBT Persistent, Bioaccumulative & Toxic
PNEC Predicted No Effect Concentration
STP Sludge Treatment Process

vPvB very Persistent & very Bioaccumulative

M-factor

alkanes, C14-17, chloro	100	Acute	BIG
alkanes, C14-17, chloro	10	Chronic (NRD)	BIG

Specific concentration limits CLP

polymethylene polyphen <mark>yl isocyanate</mark>	C ≥ 0.1 %	Resp. Sens. 1; H334	analogous to Annex VI
	C ≥ 5 %	Skin Irrit. 2; H315	analogous to Annex VI
	C≥5%	Eye Irrit. 2; H319	analogous to Annex VI
	C≥5%	STOT SE 3; H335	analogous to Annex VI
alkanes, C14-17, chloro	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)
	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)
	0,25 % ≤ C ≤ 20 %	Aquatic Chronic 4; H413	FEICA Position Paper
			on the classification
			and labelling of One
			Component Foam
			(OCF) containing Mid
			Chained Chlorinated
			Paraffin (MCCP) March
			7th 2014)

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