

Soudal PU Gun and Foam Cleaner

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

1.1 Product identifier:

Product name : Soudal PU Gun and Foam Cleaner
 Registration number REACH : Not applicable (mixture)
 Product type REACH : Mixture (Organic)

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

1.2.1 Relevant identified uses

Cleansing product

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

SODAL N.V.
 Everdongenlaan 18-20
 B-2300 Turnhout
 Tel: +32 14 42 42 31
 Fax: +32 14 44 39 71
 msds@soudal.com

Manufacturer of the product

SODAL N.V.
 Everdongenlaan 18-20
 B-2300 Turnhout
 Tel: +32 14 42 42 31
 Fax: +32 14 44 39 71
 msds@soudal.com

1.4 Emergency telephone number:

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

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture:

2.1.1 Classification according to Regulation EC No 1272/2008

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

Class	Category	Hazard statement code(s)
Flam. Aerosol	category 1	H222: Extremely flammable aerosol.
Eye Irrit.	category 2	H319: Causes serious eye irritation.
STOT SE	category 3	H336: May cause drowsiness or dizziness.

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

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

F+; R12 - Extremely flammable.

Xi; R36 - Irritating to eyes.

R66 - Repeated exposure may cause skin dryness or cracking.

R67 - Vapours may cause drowsiness and dizziness.

2.2 Label elements:

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

Hazard pictograms

Soudal PU Gun and Foam Cleaner



Contains acetone.

Signal word

Danger

H-statements

H222 Extremely flammable aerosol.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.

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/sparks/open flames/hot surfaces. - No smoking.
P251 Pressurized container: Do not pierce or burn, even after use.
P280 Wear eye protection/face protection.
P261 Avoid breathing.
P312 Call a POISON CENTER or doctor/physician if you feel unwell.
P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122°F.
P501 Dispose of contents/container to manufacturer/competent authority.

Supplemental information

EUH066 Repeated exposure may cause skin dryness or cracking.

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

Labels



Extremely flammable



Irritant

R-phrases

36 Irritating to eyes
66 Repeated exposure may cause skin dryness or cracking
67 Vapours may cause drowsiness and dizziness

S-phrases

23 Do not breathe spray
(46) (If swallowed, seek medical advice immediately and show this container or label)
51 Use only in well-ventilated areas

Additional recommendations

Keep away from sources of ignition - No smoking.
Keep out of the reach of children.
Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C.
Do not pierce or burn, even after use.
Do not spray on a naked flame or any incandescent material.

2.3 Other hazards:

DSD/DPD

May build up electrostatic charges: risk of ignition
May be ignited by sparks
Gas/vapour spreads at floor level: ignition hazard
Aerosol may explode under the effect of heat

CLP

May build up electrostatic charges: risk of ignition
May be ignited by sparks
Gas/vapour spreads at floor level: ignition hazard
Aerosol may explode under the effect of heat

SECTION 3: Composition/information on ingredients

3.1 Substances:

Not applicable

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Publication date: 2002-05-11

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Revision number: 0200

Product number: 33075

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3.2 Mixtures:

Name (REACH Registration No)	CAS No EC No	Conc. (C)	Classification according to DSD/DPD	Classification according to CLP	Note	Remark
acetone (Not applicable)	67-64-1 200-662-2	C>25 %	F; R11 Xi; R36 R66 R67	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336	(1)(2)(10)	Mono-constituent
propane (-)	74-98-6 200-827-9	10%<C<20%	F+; R12	Flam. Gas 1; H220 Press. Gas - Liquefied gas; H280	(1)(2)(10)	Propellant
isobutane (-)	75-28-5 200-857-2	10%<C<20%	F+; R12	Flam. Gas 1; H220 Press. Gas - Liquefied gas; H280	(1)(10)	Propellant
(1,3-butadiene, conc<0.1%) (-)						

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

(2) Substance with a Community workplace exposure limit

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

SECTION 4: First aid measures

4.1 Description of first aid measures:

General:

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. Soap may be used. Take victim to a doctor if irritation persists.

After eye contact:

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

After ingestion:

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

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

4.2.1 Acute symptoms

After inhalation:

EXPOSURE TO HIGH CONCENTRATIONS: Feeling of weakness. Central nervous system depression. Dizziness. Narcosis. Excited/restless. Drunkenness. Disturbed motor response. Headache. Respiratory difficulties. Disturbances of consciousness.

After skin contact:

ON CONTINUOUS EXPOSURE/CONTACT: Dry skin. Cracking of the skin.

After eye contact:

Irritation of the eye tissue.

After ingestion:

No effects known.

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:

Water spray. BC powder. Sand/earth.

5.1.2 Unsuitable extinguishing media:

No unsuitable extinguishing media known.

5.2 Special hazards arising from the substance or mixture:

Upon combustion: CO and CO₂ are formed.

5.3 Advice for firefighters:

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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: persistent risk of physical explosion.

5.3.2 Special protective equipment for fire-fighters:

Gloves. Protective goggles. Protective clothing. Heat/fire exposure: compressed air/oxygen apparatus.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

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

6.1.1 Protective equipment for non-emergency personnel

See heading 8.2

6.1.2 Protective equipment for emergency responders

Gloves. Protective goggles. Protective clothing.

Suitable protective clothing

See heading 8.2

6.2 Environmental precautions:

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

6.3 Methods and material for containment and cleaning up:

Take up liquid spill into a non combustible material e.g.: sand/earth. Scoop absorbed substance into closing containers. Carefully collect the spill/leftovers.

Clean contaminated surfaces with an excess of water. Take collected spill to manufacturer/competent authority. Wash clothing and equipment after handling.

6.4 Reference to other sections:

See heading 13.

SECTION 7: Handling and storage

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

7.1 Precautions for safe handling:

Use spark-/explosionproof appliances and lighting system. Keep away from naked flames/heat. Keep away from ignition sources/sparks. Gas/vapour heavier than air at 20°C. Observe normal hygiene standards.

7.2 Conditions for safe storage, including any incompatibilities:

7.2.1 Safe storage requirements:

Storage temperature: < 50 °C. Store in a cool area. Fireproof storeroom. Keep out of direct sunlight. Meet the legal requirements. Max. storage time: 1 year(s).

7.2.2 Keep away from:

Heat sources, ignition sources, oxidizing agents, (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.

Regulatory exposure limit (The Netherlands)

Aceton	Short time value	2420 mg/m ³	
	Short time value, calculated	1002 ppm	
	Time-weighted average exposure limit 8 h	1210 mg/m ³	
	Time-weighted average exposure limit, calculated	501 ppm	

Indicative exposure limit EU

Aceton	Short time value	- ppm	
	Time-weighted average exposure limit 8 h	500 ppm 1210 mg/m ³	

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Limit Value (Belgium)

Acétone	Short time value	1000 ppm 2420 mg/m ³	
	Time-weighted average exposure limit 8 h	500 ppm 1210 mg/m ³	
Hydrocarbures aliphatiques sous forme gazeuse : (Alcanes C1-C4)	Short time value	- ppm - mg/m ³	
	Time-weighted average exposure limit 8 h	1000 ppm - mg/m ³	
	Short time value	- ppm - mg/m ³	
	Time-weighted average exposure limit 8 h	1000 ppm - mg/m ³	

TLV (USA)

Acetone	Short time value	750 ppm	
	Time-weighted average exposure limit 8 h	500 ppm	
Aliphatic hydrocarbon gases - alkanes(C1-C4)	Time-weighted average exposure limit 8 h	1000 ppm	

TRGS 900 (Germany)

Aceton	Time-weighted average exposure limit 8 h	500 ppm 1200 mg/m ³	
Isobutan	Time-weighted average exposure limit 8 h	1000 ppm 2400 mg/m ³	
Propan	Time-weighted average exposure limit 8 h	1800 mg/m ³	

Limit Value (France)

Acétone	Short time value	1000 ppm 2420 mg/m ³	
	Time-weighted average exposure limit 8 h	500 ppm 1210 mg/m ³	

Limit Value (UK)

Acetone	Short time value	1500 ppm 3620 mg/m ³	
	Time-weighted average exposure limit 8 h	500 ppm 1210 mg/m ³	

b) National biological limit values

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

8.1.2 Sampling methods

Product name	Test	Number
Acetone (organic and inorganic gases by Extractive FTIR)	NIOSH	3800
Acetone (Volatile Organic compounds)	NIOSH	2549
Acetone (ketones 1)	NIOSH	1300
Acetone	OSHA	69
Acetone (ketones I)	NIOSH	2555

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

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

8.1.4 DNEL/PNEC values

Workers

acetone

Effect level (DNEL/DMEL)	Type	Value	Remark
DNEL	Acute local effects inhalation	2420 mg/m ³	
	Long-term systemic effects dermal	186 mg/kg bw/day	
	Long-term systemic effects inhalation	1210 mg/m ³	

General population

acetone

Effect level (DNEL/DMEL)	Type	Value	Remark
DNEL	Long-term systemic effects dermal	62 mg/kg bw/day	
	Long-term systemic effects inhalation	200 mg/m ³	
	Long-term systemic effects oral	62 mg/kg bw/day	

PNEC

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acetone

Compartments	Value	Remark
Fresh water	10.6 mg/l	
Marine water	1.06 mg/l	
aqua (intermittent releases)	21 mg/l	
Fresh water sediment	30.4 mg/kg sediment dw	
Marine water sediment	3.04 mg/kg sediment dw	
Soil	29.5 mg/kg soil dw	
STP	100 mg/l	

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 normal hygiene standards. Do not eat, drink or smoke during work.

a) Respiratory protection:

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

b) Hand protection:

Gloves.

c) Eye protection:

Protective goggles.

d) Skin protection:

Protective clothing.

8.2.3 Environmental exposure controls:

See headings 6.2, 6.3 and 13

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties:

Physical form	Aerosol
Odour	Acetone odour
Odour threshold	No data available
Colour	Colourless
Particle size	No data available
Explosion limits	1.5 - 12.8 vol %
Flammability	Extremely flammable aerosol.
Log Kow	No data available
Dynamic viscosity	No data available
Kinematic viscosity	No data available
Melting point	No data available
Boiling point	No data available
Flash point	No data available
Evaporation rate	No data available
Vapour pressure	No data available
Relative vapour density	No data available
Solubility	ether ; soluble ethanol ; soluble
Relative density	No data available
Decomposition temperature	No data available
Auto-ignition temperature	No data available
Explosive properties	No chemical group associated with explosive properties
Oxidising properties	No chemical group associated with oxidising properties
pH	No data available

Physical hazards

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Flammable aerosol

9.2 Other information:

Absolute density No data available

SECTION 10: Stability and reactivity

10.1 Reactivity:

May build up electrostatic charges: risk of ignition. 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:

No data available.

10.4 Conditions to avoid:

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

10.5 Incompatible materials:

Oxidizing agents, (strong) acids, (strong) bases.

10.6 Hazardous decomposition products:

Upon combustion: CO and CO₂ are formed.

SECTION 11: Toxicological information

11.1 Information on toxicological effects:

11.1.1 Test results

Acute toxicity

Soudal PU Gun and Foam Cleaner

No (test) data on the mixture available

acetone

Route of exposure	Parameter	Method	Value	Exposure time	Species	Gender	Value determination
Oral	LD50	Equivalent to OECD 401	5800 mg/kg		Rat	Female	Experimental value
Dermal	LD50	Equivalent to OECD 402	20000 mg/kg		Rabbit	Male	Experimental value
Inhalation (vapours)	LC50	Other	76 mg/l	4 h	Rat	Female	Experimental value
Inhalation (vapours)	LCL0	Other	16000 ppm	4 h	Rat		Experimental value

propane

Route of exposure	Parameter	Method	Value	Exposure time	Species	Gender	Value determination
Inhalation	LC50		513 mg/l	4 h	Rat		literature
Inhalation	LC50		280000 ppm	4 h	Rat		literature

isobutane

Route of exposure	Parameter	Method	Value	Exposure time	Species	Gender	Value determination
Inhalation	LC50		> 50 mg/l	4 h	Rat		literature

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

Conclusion

Low acute toxicity by the dermal route

Low acute toxicity by the oral route

Low acute toxicity by the inhalation route

Corrosion/irritation

Soudal PU Gun and Foam Cleaner

No (test) data on the mixture available

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acetone

Route of exposure	Result	Method	Exposure time	Time point	Species	Value determination
Eye	Irritating	OECD 405		24; 48; 72 hours	Rabbit	Experimental value
Dermal	Not irritating	Other	3 day(s)	24; 48; 72 hours	Guinea pig	Experimental value
Inhalation	Slightly irritating	Human observation study	20 minutes		Human	literature

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

Conclusion

Causes serious eye irritation.
Not classified as irritating to the skin

Respiratory or skin sensitisation

Soudal PU Gun and Foam Cleaner

No (test)data on the mixture available

acetone

Route of exposure	Result	Method	Exposure time	Observation time point	Species	Gender	Value determination
Dermal	Not sensitizing	Other		48 hours	Hamster	Female	Experimental value
Dermal	Not sensitizing	human observation			Human		literature

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

Conclusion

Not sensitizing for inhalation
Not sensitizing for skin

Specific target organ toxicity

Soudal PU Gun and Foam Cleaner

No (test)data on the mixture available

acetone

Route of exposure	Parameter	Method	Value	Organ	Effect	Exposure time	Species	Gender	Value determination
Oral	NOAEL	Equivalent to OECD 408	20 mg/l		No effect	13 week(s)	Mouse	Male/female	Experimental value
Oral	LOAEL	Equivalent to OECD 408	50 mg/l		Weight changes		Mouse	Female	Experimental value
Dermal									Not relevant, expert judgement
Inhalation (vapours)	NOAEC	Other	19000 ppm		No effect	8 week(s)	Rat	Male	literature
Inhalation (vapours)	EC30	Other	3500 ppm	central nervous system	neurotoxic effects	4 h	Rat	Male	Experimental value
Inhalation (vapours)	EC30	Other	5000 ppm	central nervous system	neurotoxic effects	2 h	Mouse	Female	Experimental value
Inhalation (vapours)		Human observation study	361 ppm	central nervous system	neurotoxic effects	2 day(s)	Human		Inconclusive, insufficient data

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

Conclusion

Low sub-chronic toxicity by the dermal route
Low sub-chronic toxicity by the oral route
Low sub-chronic toxicity by inhalation route
May cause drowsiness or dizziness.

Mutagenicity (in vitro)

Soudal PU Gun and Foam Cleaner

No (test)data on the mixture available

acetone

Result	Method	Test substrate	Effect	Value determination
Negative	Equivalent to OECD 471	Bacteria (<i>S.typhimurium</i>)		Experimental value
Negative	Equivalent to OECD 473	Chinese hamster ovary (CHO)		Experimental value

Mutagenicity (in vivo)

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No (test) data on the mixture available

acetone

Result	Method	Exposure time	Test substrate	Gender	Organ	Value determination
Negative		13 week(s)	Mouse	Male/female		literature

Carcinogenicity

Soudal PU Gun and Foam Cleaner

No (test) data on the mixture available

acetone

	Parameter	Method	Value	Exposure time	Species	Gender	Value determination	Organ	Effect
Dermal	NOEL	Other	79 mg	51 week(s)	Mouse	Female	literature		No effect
Dermal	NOEL	Other	160	- continuous throughout study	Mouse	Male/female	literature		No effect

Reproductive toxicity

Soudal PU Gun and Foam Cleaner

No (test) data on the mixture available

acetone

	Parameter	Method	Value	Exposure time	Species	Gender	Effect	Organ	Value determination
Developmental toxicity	NOAEC	Equivalent to OECD 414	11000 ppm	6-19 days (gestation, daily)	Rat	Male/female			Experimental value
Effects on fertility	NOAEL	Other	900 mg/kg bw/day	13 week(s)	Rat	Male	No effect		literature
	NOEL	Other	3100 mg/kg bw/day	13 weeks (daily, 5 days/week)	Rat	Female	No effect		literature

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

Conclusion CMR

Not classified for reprotoxic or developmental toxicity

Not classified for mutagenic or genotoxic toxicity

Not classified for carcinogenicity

Toxicity other effects

Soudal PU Gun and Foam Cleaner

No (test) data on the mixture available

acetone

Parameter	Method	Value	Organ	Effect	Exposure time	Species	Gender	Value determination
				Skin dryness or cracking				Literature study

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

Conclusion

Repeated exposure may cause skin dryness or cracking.

11.1.2 Other information

Soudal PU Gun and Foam Cleaner

No (test) data on the mixture available

acetone

TLV - Carcinogen	(A4)
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propane

TLV - Carcinogen	0
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SECTION 12: Ecological information

12.1 Toxicity:

Soudal PU Gun and Foam Cleaner

No (test) data on the mixture available

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acetone

	Parameter	Method	Value	Duration	Species	Test design	Fresh/salt water	Value determination
Acute toxicity fishes	LC50	EU Method C.1	5540 mg/l	96 h	Salmo gairdneri (Oncorhynchus mykiss)	Static system	Fresh water	Experimental value
Acute toxicity invertebrates	LC50	Other	12600 mg/l	48 h	Daphnia magna	Static system	Fresh water	Experimental value
Toxicity algae and other aquatic plants	EC50		>7000 mg/l	96 h	Selenastrum capricornutum	Static system	Fresh water	Experimental value

propane

	Parameter	Method	Value	Duration	Species	Test design	Fresh/salt water	Value determination
Acute toxicity fishes	LC50		> 1000 mg/l	96 h	Pisces			

Conclusion

No data available on ecotoxicity

12.2 Persistence and degradability:

acetone

propane

isobutane

Conclusion

Contains non readily biodegradable component(s)

12.3 Bioaccumulative potential:

acetone

BCF fishes

Parameter	Method	Value	Duration	Species	Value determination
BCF		0.69		Pisces	

BCF other aquatic organisms

Parameter	Method	Value	Duration	Species	Value determination
BCF	BCFWIN	3			Calculated value

Log Kow

Method	Value	Temperature	Value determination
	-0.24		Test data

propane

BCF fishes

Parameter	Method	Value	Duration	Species	Value determination
BCF		9 - 25		Pisces	

Log Kow

Method	Value	Temperature	Value determination
	2.3		Experimental value

isobutane

BCF fishes

Parameter	Method	Value	Duration	Species	Value determination
BCF		20 - 52		Pisces	

BCF other aquatic organisms

Parameter	Method	Value	Duration	Species	Value determination
BCF		20 - 52		Daphnia magna	

Log Kow

Method	Value	Temperature	Value determination
	2.76 - 2.88		Experimental value

Conclusion

No straightforward conclusion can be drawn based upon the available test results

12.4 Mobility in soil:

Soudal PU Gun and Foam Cleaner

No (test)data on mobility of the components of the mixture available

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:

Soudal PU Gun and Foam Cleaner

Global warming potential (GWP)

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

Ozone-depleting potential (ODP)

Not classified as dangerous for the ozone layer (Regulation (EC) No. 1272/2008 and 1005/2009)

acetone

Ozone-depleting potential (ODP)

Not classified as dangerous for the ozone layer (Regulation (EC) No. 1272/2008 and 1005/2009)

propane

Ozone-depleting potential (ODP)

Not classified as dangerous for the ozone layer (Regulation (EC) No. 1272/2008 and 1005/2009)

isobutane

Ozone-depleting potential (ODP)

Not classified as dangerous for the ozone layer (Regulation (EC) No. 1272/2008 and 1005/2009)

SECTION 13: Disposal considerations

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

13.1 Waste treatment methods:

13.1.1 Provisions relating to waste

Waste material code (Directive 2008/98/EC, decision 2001/118/EC).

07 01 04* (other organic solvents, washing liquids and mother liquors). Depending on branch of industry and production process, also other EURAL codes may be applicable. Hazardous waste according to Directive 2008/98/EC.

13.1.2 Disposal methods

Refer to manufacturer/supplier for information on recovery/ recycling. Remove waste in accordance with local and/or national regulations. Hazardous waste shall not be mixed together with other waste. Different types of hazardous waste shall not be mixed together if this may entail a risk of pollution or create problems for the further management of the waste. Hazardous waste shall be managed responsibly. All entities that store, transport or handle hazardous waste shall take the necessary measures to prevent risks of pollution or damage to people or animals. Do not discharge into drains or the environment.

13.1.3 Packaging/Container

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

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

SECTION 14: Transport information

Road (ADR)

14.1 UN number:

UN number	1950
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14.2 UN proper shipping name:

Proper shipping name	Aerosols
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14.3 Transport hazard class(es):

Hazard identification number	
Class	2
Classification code	5F

14.4 Packing group:

Packing group	
Labels	2.1

14.5 Environmental hazards:

Environmentally hazardous substance mark	no
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14.6 Special precautions for user:

Special provisions	190
Special provisions	327
Special provisions	344
Special provisions	625
Limited quantities	Combination packagings: not more than 1 liter per inner packaging for liquids. A package shall not weigh more than 30 kg. (gross mass)

Rail (RID)

14.1 UN number:

Reason for revision: CLP

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Revision number: 0200

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UN number	1950
14.2 UN proper shipping name:	
Proper shipping name	Aerosols
14.3 Transport hazard class(es):	
Hazard identification number	23
Class	2
Classification code	5F
14.4 Packing group:	
Packing group	
Labels	2.1
14.5 Environmental hazards:	
Environmentally hazardous substance mark	no
14.6 Special precautions for user:	
Special provisions	190
Special provisions	327
Special provisions	344
Special provisions	625
Limited quantities	Combination packagings: not more than 1 liter per inner packaging for liquids. A package shall not weigh more than 30 kg. (gross mass)

Inland waterways (ADN)

14.1 UN number:	
UN number	1950
14.2 UN proper shipping name:	
Proper shipping name	Aerosols
14.3 Transport hazard class(es):	
Class	2
Classification code	5F
14.4 Packing group:	
Packing group	
Labels	2.1
14.5 Environmental hazards:	
Environmentally hazardous substance mark	no
14.6 Special precautions for user:	
Special provisions	190
Special provisions	327
Special provisions	344
Special provisions	625
Limited quantities	Combination packagings: not more than 1 liter per inner packaging for liquids. A package shall not weigh more than 30 kg. (gross mass)

Sea (IMDG)

14.1 UN number:	
UN number	1950
14.2 UN proper shipping name:	
Proper shipping name	Aerosols
14.3 Transport hazard class(es):	
Class	2.1
14.4 Packing group:	
Labels	2.1
14.5 Environmental hazards:	
Marine pollutant	-
Environmentally hazardous substance mark	no
14.6 Special precautions for user:	
Special provisions	
Special provisions	190
Special provisions	
Special provisions	327
Special provisions	344
Special provisions	
Limited quantities	Combination packagings: not more than 1 liter per inner packaging for liquids. A package shall not weigh more than 30 kg. (gross mass)
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:	

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Annex II of MARPOL 73/78	Not applicable, based on available data
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Air (ICAO-TI/IATA-DGR)

14.1 UN number:	UN number	1950
14.2 UN proper shipping name:	Proper shipping name	Aerosols
14.3 Transport hazard class(es):	Class	2.1
14.4 Packing group:	Packing group	
	Labels	2.1
14.5 Environmental hazards:	Environmentally hazardous substance mark	no
14.6 Special precautions for user:	Special provisions	A145
	Special provisions	A167
	Special provisions	A802
	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:

Volatile organic compounds (VOC)

100 %

REACH Annex XVII - Restriction

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

	Designation of the substance, of the group of substances or of the mixture	Conditions of restriction
acetone	Liquid substances or mixtures, which are regarded as dangerous according to the definitions in Council Directive 67/548/EEC and Directive 1999/54/EC.	1. Shall not be used in: — ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays, — tricks and jokes, — games for one or more participants, or any article intended to be used as such, even with ornamental aspects,2. Articles not complying with paragraph 1 shall not be placed on the market.3. Shall not be placed on the market if they contain a colouring agent, unless required for fiscal reasons, or perfume, or both, if they: — can be used as fuel in decorative oil lamps for supply to the general public, and, — present an aspiration hazard and are labelled with R65 or H304,4. Decorative oil lamps for supply to the general public shall not be placed on the market unless they conform to the European Standard on Decorative oil lamps (EN 14059) adopted by the European Committee for Standardisation (CEN).5. Without prejudice to the implementation of other Community provisions relating to the classification, packaging and labelling of dangerous substances and mixtures, suppliers shall ensure, before the placing on the market, that the following requirements are met: a) lamp oils, labelled with R65 or H304, intended for supply to the general public are visibly, legibly and indelibly marked as follows: "Keep lamps filled with this liquid out of the reach of children"; and, by 1 December 2010, "Just a sip of lamp oil — or even sucking the wick of lamps — may lead to life-threatening lung damage"; b) grill lighter fluids, labelled with R65 or H304, intended for supply to the general public are legibly and indelibly marked by 1 December 2010 as follows: "Just a sip of grill lighter may lead to life threatening lung damage"; c) lamp oils and grill lighters, labelled with R65 or H304, intended for supply to the general public are packaged in black opaque containers not exceeding 1 litre by 1 December 2010.6. No later than 1 June 2014, the Commission shall request the European Chemicals Agency to prepare a dossier, in accordance with Article 69 of the present Regulation with a view to ban, if appropriate, grill lighter fluids and fuel for decorative lamps, labelled R65 or H304, intended for supply to the general public.7. Natural or legal persons placing on the market for the first time lamp oils and grill lighter fluids, labelled with R65 or H304, shall by 1 December 2011, and annually thereafter, provide data on alternatives to lamp oils and grill lighter fluids labelled R65 or H304 to the competent authority in the Member State concerned. Member States shall make those data available
acetone propane isobutane	Substances meeting the criteria of flammability in Directive 67/548/ EEC and classified as flammable, highly flammable or extremely flammable regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not.	1. Shall not be used, as substance or as mixtures in aerosol dispensers where these aerosol dispensers are intended for supply to the general public for entertainment and decorative purposes such as the following: — metallic glitter intended mainly for decoration, — artificial snow and frost, — "whoopie" cushions, — silly string aerosols, — imitation excrement, — horns for parties, — decorative flakes and foams, — artificial cobwebs, — stink bombs.2. Without prejudice to the application of other Community provisions on the classification, packaging and labelling of substances, suppliers shall ensure before the placing on the market that the packaging of aerosol dispensers referred to above is marked visibly, legibly and indelibly with: "For professional users only".3. By way of derogation, paragraphs 1 and 2 shall not apply to the aerosol dispensers referred to Article 8 (1a) of Council Directive 75/ 324/EEC (**).4. The aerosol dispensers referred to in paragraphs 1 and 2 shall not be placed on the market unless they conform to the requirements indicated.

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(**) OJ L 147, 9.6.1975, p. 40.

National legislation

- The Netherlands

Waterbezwaarlijkheid (for NL)	8
Waste identification other lists of waste materials	LWCA (the Netherlands): KGA category 06

- Germany

WGK	1	Classification water polluting based on the components in compliance with Verwaltungsvorschrift wassergefährdender Stoffe (VwVwS) of 27 July 2005 (Anhang 4)
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15.2 Chemical safety assessment:

No chemical safety assessment has been conducted.

SECTION 16: Other information

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

- R36 Irritating to eyes
- R66 Repeated exposure may cause skin dryness or cracking
- R67 Vapours may cause drowsiness and dizziness

Full text of any H-statements referred to under headings 2 and 3:

- H225 Highly flammable liquid and vapour.
- H220 Extremely flammable gas.
- H222 Extremely flammable aerosol.
- H319 Causes serious eye irritation.
- H280 Contains gas under pressure; may explode if heated.
- H336 May cause drowsiness or dizziness.

(*) = INTERNAL CLASSIFICATION BY BIG

PBT-substances = persistent, bioaccumulative and toxic substances

DSD Dangerous Substance Directive

DPD Dangerous Preparation Directive

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

The information in this safety data sheet is based on data and samples provided to BIG. The sheet was written to the best of our ability and according to the state of knowledge at that time. The safety data sheet only constitutes a guideline for the safe handling, use, consumption, storage, transport and disposal of 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. Use of this safety data sheet is subject to the licence and liability limiting conditions as stated in your BIG licence agreement. All intellectual property rights to this sheet are the property of BIG and its distribution and reproduction are limited. Consult your BIG licence agreement for details.

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