

Soudal PU Remover

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

1.1. Product identifier

Product name : Soudal PU Remover
 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

Detergent according to Regulation (EC) No 648/2004

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
 ☎ +32 14 42 42 31
 +32 14 42 65 14
 msds@soudal.com

Manufacturer of the product

SODAL N.V.
 Everdongenlaan 18-20
 B-2300 Turnhout
 ☎ +32 14 42 42 31
 +32 14 42 65 14
 msds@soudal.com

1.4. Emergency telephone number

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

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Class	Category	Hazard statements
Skin Irrit.	category 2	H315: Causes skin irritation.
Eye Irrit.	category 2	H319: Causes serious eye irritation.

2.2. Label elements



Signal word

H-statements

H315

H319

P-statements

P101

P102

P280

P264

P302 + P352

P332 + P313

P305 + P351 + P338

Warning

Causes skin irritation.

Causes serious eye irritation.

If medical advice is needed, have product container or label at hand.

Keep out of reach of children.

Wear protective gloves, protective clothing and eye protection/face protection.

Wash hands thoroughly after handling.

IF ON SKIN: Wash with plenty of water and soap.

If skin irritation occurs: Get medical advice/attention.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Soudal PU Remover

P337 + P313
P501

If eye irritation persists: Get medical advice/attention.
Dispose of contents/container in accordance with local/regional/national/international regulation.

2.3. Other hazards

Warning! Product may cause floors to be slippery

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
2-aminoethanol 01-2119486455-28	141-43-5 205-483-3	1%≤C<3%	Acute Tox. 4; H332 Acute Tox. 4; H312 Acute Tox. 4; H302 Skin Corr. 1B; H314 STOT SE 3; H335 Aquatic Chronic 3; H412	(1)(2)(6)(10)	Constituent

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

(2) Substance with a Community workplace exposure limit

(6) Enumerated in Annex VI of Regulation (EC) No. 1272/2008 but the classification has been adapted after evaluation of available test data

(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. 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. 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:

No effects known.

After skin contact:

Tingling/irritation 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:

Small fire: Quick-acting ABC powder extinguisher, Class A foam extinguisher, Water (quick-acting extinguisher, reel).

Major fire: Water, Class A foam.

5.1.2 Unsuitable extinguishing media:

Small fire: Quick-acting BC powder extinguisher, Quick-acting CO2 extinguisher.

Reason for revision: 2;3

Publication date: 2005-11-29

Date of revision: 2017-10-18

Revision number: 0300

Product number: 42914

2 / 11

Soudal PU Remover

5.2. Special hazards arising from the substance or mixture

Upon combustion: formation of CO, CO₂ and small quantities of nitrous vapours.

5.3. Advice for firefighters

5.3.1 Instructions:

No specific fire-fighting instructions required.

5.3.2 Special protective equipment for fire-fighters:

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

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

No naked flames.

6.1.1 Protective equipment for non-emergency personnel

See heading 8.2

6.1.2 Protective equipment for emergency responders

Gloves. Face-shield. Protective clothing.

Suitable protective clothing

See heading 8.2

6.2. Environmental precautions

Contain released product. Use appropriate containment to avoid environmental contamination.

6.3. Methods and material for containment and cleaning up

Scoop solid spill into closing containers. Clean contaminated surfaces with an excess of water. 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

Keep away from naked flames/heat. Gas/vapour heavier than air at 20°C. Observe normal hygiene standards. Keep container tightly closed. Remove contaminated clothing immediately.

7.2. Conditions for safe storage, including any incompatibilities

7.2.1 Safe storage requirements:

Store in a dry area. Keep container in a well-ventilated place. Keep only in the original container. Meet the legal requirements. Max. storage time: 1 year(s).

7.2.2 Keep away from:

Heat sources, oxidizing agents.

7.2.3 Suitable packaging material:

Synthetic material.

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

2-Aminoethanol	Time-weighted average exposure limit 8 h (Indicative occupational exposure limit value)	1 ppm
	Time-weighted average exposure limit 8 h (Indicative occupational exposure limit value)	2.5 mg/m ³
	Short time value (Indicative occupational exposure limit value)	3 ppm
	Short time value (Indicative occupational exposure limit value)	7.6 mg/m ³

Belgium

Reason for revision: 2;3

Publication date: 2005-11-29

Date of revision: 2017-10-18

Revision number: 0300

Product number: 42914

3 / 11

Soudal PU Remover

Ethanolamine	Time-weighted average exposure limit 8 h	1 ppm
	Time-weighted average exposure limit 8 h	2.5 mg/m ³
	Short time value	3 ppm
	Short time value	7.6 mg/m ³

The Netherlands

2-Aminoethanol	Time-weighted average exposure limit 8 h (Public occupational exposure limit value)	0.98 ppm
	Time-weighted average exposure limit 8 h (Public occupational exposure limit value)	2.5 mg/m ³
	Short time value (Public occupational exposure limit value)	3 ppm
	Short time value (Public occupational exposure limit value)	7.6 mg/m ³

France

Ethanolamine	Time-weighted average exposure limit 8 h (VRC: Valeur réglementaire contraignante)	1 ppm
	Time-weighted average exposure limit 8 h (VRC: Valeur réglementaire contraignante)	2.5 mg/m ³
	Short time value (VRC: Valeur réglementaire contraignante)	3 ppm
	Short time value (VRC: Valeur réglementaire contraignante)	7.6 mg/m ³

Germany

2-Amino-ethanol	Time-weighted average exposure limit 8 h (TRGS 900)	0.2 ppm
	Time-weighted average exposure limit 8 h (TRGS 900)	0.5 mg/m ³

UK

2-Aminoethanol	Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005))	1 ppm
	Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005))	2.5 mg/m ³
	Short time value (Workplace exposure limit (EH40/2005))	3 ppm
	Short time value (Workplace exposure limit (EH40/2005))	7.6 mg/m ³

USA (TLV-ACGIH)

Ethanolamine	Time-weighted average exposure limit 8 h (TLV - Adopted Value)	3 ppm
	Short time value (TLV - Adopted Value)	6 ppm

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
2-Amino Ethanol	NIOSH	2007
2-Amino Ethanol	NIOSH	3509
Ethanolamine	OSHA	2111

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

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

8.1.4 DNEL/PNEC values

DNEL/DMEL - Workers

2-aminoethanol

Effect level (DNEL/DMEL)	Type	Value	Remark
DNEL	Long-term local effects inhalation	3.3 mg/m ³	
	Long-term systemic effects dermal	1 mg/kg bw/day	

DNEL/DMEL - General population

2-aminoethanol

Effect level (DNEL/DMEL)	Type	Value	Remark
DNEL	Long-term local effects inhalation	2 mg/m ³	
	Long-term systemic effects dermal	0.24 mg/kg bw/day	
	Long-term systemic effects oral	3.75 mg/kg bw/day	

PNEC

2-aminoethanol

Compartments	Value	Remark
Fresh water	0.085 mg/l	
Marine water	0.009 mg/l	
Aqua (intermittent releases)	0.028 mg/l	
STP	100 mg/l	
Fresh water sediment	0.434 mg/kg sediment dw	
Marine water sediment	0.043 mg/kg sediment dw	
Soil	0.037 mg/kg soil dw	

8.1.5 Control banding

If applicable and available it will be listed below.

Reason for revision: 2;3

Publication date: 2005-11-29

Date of revision: 2017-10-18

Revision number: 0300

Product number: 42914

4 / 11

Soudal PU Remover

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

Keep away from naked flames/heat. Measure the concentration in the air regularly. Carry operations in the open/under local exhaust/ventilation or with respiratory protection.

8.2.2 Individual protection measures, such as personal protective equipment

Observe normal hygiene standards. Keep container tightly closed. 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:

Gloves.

- materials (good resistance)

Butyl rubber.

c) Eye protection:

Face shield.

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	Paste
Odour	Characteristic odour
Odour threshold	No data available
Colour	White
Particle size	No data available
Explosion limits	1.8 - 12.2 vol %
Flammability	Material presenting a fire hazard
Log Kow	Not applicable (mixture)
Dynamic viscosity	No data available
Kinematic viscosity	No data available
Melting point	No data available
Boiling point	No data available
Flash point	> 90 °C
Evaporation rate	No data available
Relative vapour density	No data available
Vapour pressure	No data available
Solubility	Water ; insoluble
Relative density	1.57 ; 20 °C
Decomposition temperature	No data available
Auto-ignition temperature	190 °C
Explosive properties	No chemical group associated with explosive properties
Oxidising properties	No chemical group associated with oxidising properties
pH	10.4

9.2. Other information

Absolute density	1570 kg/m ³ ; 20 °C
------------------	--------------------------------

SECTION 10: Stability and reactivity

10.1. Reactivity

Heating increases the fire hazard. Substance has basic reaction.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Reacts with (strong) oxidizers and with (some) acids.

10.4. Conditions to avoid

Precautionary measures

Keep away from naked flames/heat.

10.5. Incompatible materials

Oxidizing agents.

Reason for revision: 2;3

Publication date: 2005-11-29

Date of revision: 2017-10-18

Revision number: 0300

Product number: 42914

5 / 11

Soudal PU Remover

10.6. Hazardous decomposition products

Upon combustion: formation of CO, CO2 and small quantities of nitrous vapours.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

11.1.1 Test results

Acute toxicity

Soudal PU Remover

No (test)data on the mixture available

Judgement is based on the relevant ingredients

2-aminoethanol

Route of exposure	Parameter	Method	Value	Exposure time	Species	Value determination	Remark
Oral	LD50	Equivalent to OECD 401	1089 mg/kg bw		Rat (male/female)	Experimental value	
Dermal	LD50	Equivalent to OECD 402	2504 mg/kg bw	24 h	Rabbit (male)	Experimental value	
Dermal			category 4			Annex VI	
Inhalation (vapours)	LC50		> 1.3 mg/l	6 h	Rat (male/female)	Experimental value	(maximum attainable vapour concentration)
Inhalation			category 4			Annex VI	

Conclusion

Not classified for acute toxicity

Corrosion/irritation

Soudal PU Remover

No (test)data on the mixture available

Classification is based on the relevant ingredients

2-aminoethanol

Route of exposure	Result	Method	Exposure time	Time point	Species	Value determination	Remark
Eye	Corrosive	Equivalent to OECD 405		24; 48; 72 hours	Rabbit	Experimental value	Single treatment without rinsing
Skin	Corrosive	Equivalent to OECD 404	≤ 20 h	24; 48; 72 hours	Rabbit	Experimental value	
Inhalation	Irritating; STOT SE cat.3					Literature study	

Conclusion

Causes skin irritation.

Causes serious eye irritation.

Not classified as irritating to the respiratory system

Respiratory or skin sensitisation

Soudal PU Remover

No (test)data on the mixture available

Judgement is based on the relevant ingredients

2-aminoethanol

Route of exposure	Result	Method	Exposure time	Observation time point	Species	Value determination	Remark
Skin	Limited positive test result	Other		48; 72 hours	Guinea pig	Experimental value	

Conclusion

Not classified as sensitizing for inhalation

Not classified as sensitizing for skin

Specific target organ toxicity

Soudal PU Remover

No (test)data on the mixture available

Judgement is based on the relevant ingredients

Reason for revision: 2;3

Publication date: 2005-11-29

Date of revision: 2017-10-18

Revision number: 0300

Product number: 42914

6 / 11

Soudal PU Remover

2-aminoethanol

Route of exposure	Parameter	Method	Value	Organ	Effect	Exposure time	Species	Value determination
Oral	NOAEL (P)	OECD 416	300 mg/kg bw/day		Body weight, organ weight, food consumption	> 75 day(s)	Rat (male/female)	Experimental value
Inhalation	NOEC	OECD 412	150 mg/m ³		No adverse systemic effects	4 weeks (daily, 5 days/week)	Rat (male/female)	Experimental value

Conclusion

Not classified for subchronic toxicity

Mutagenicity (in vitro)

Soudal PU Remover

No (test)data on the mixture available

2-aminoethanol

Result	Method	Test substrate	Effect	Value determination
Negative	Equivalent to OECD 471	Bacteria (S.typhimurium)		Experimental value
Negative	OECD 476	Mouse (lymphoma L5178Y cells)		Experimental value

Mutagenicity (in vivo)

Soudal PU Remover

No (test)data on the mixture available

Judgement is based on the relevant ingredients

2-aminoethanol

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

Conclusion

Not classified for mutagenic or genotoxic toxicity

Carcinogenicity

Soudal PU Remover

No (test)data on the mixture available

Judgement is based on the relevant ingredients

Conclusion

Not classified for carcinogenicity

Reproductive toxicity

Soudal PU Remover

No (test)data on the mixture available

Judgement is based on the relevant ingredients

2-aminoethanol

	Parameter	Method	Value	Exposure time	Species	Effect	Organ	Value determination
Developmental toxicity	NOAEL	OECD 414	450 mg/kg bw/day	6 days (gestation, daily) - 15 days (gestation, daily)	Rat			Experimental value
Effects on fertility	NOAEL (P)	OECD 416	300 mg/kg bw/day		Rat (male/female)	Fertility; reproductive performance; systemic toxicity		Experimental value
	NOAEL (F1)	OECD 416	1000 mg/kg bw/day		Rat (male/female)			Experimental value
	NOAEL (F2)	OECD 416	1000 mg/kg bw/day		Rat (male/female)			Experimental value

Conclusion

Not classified for reprotoxic or developmental toxicity

Toxicity other effects

Soudal PU Remover

No (test)data on the mixture available

Reason for revision: 2;3

Publication date: 2005-11-29

Date of revision: 2017-10-18

Revision number: 0300

Product number: 42914

7 / 11

Soudal PU Remover

Chronic effects from short and long-term exposure

Soudal PU Remover
No effects known.

SECTION 12: Ecological information

12.1. Toxicity

Soudal PU Remover

No (test)data on the mixture available

Judgement of the mixture is based on the relevant ingredients

2-aminoethanol

	Parameter	Method	Value	Duration	Species	Test design	Fresh/salt water	Value determination
Acute toxicity fishes	LC50	EU Method C.1	349 mg/l	96 h	Cyprinus carpio	Semi-static system	Fresh water	Experimental value; GLP
Acute toxicity crustacea	EC50	EU Method C.2	65 mg/l	48 h	Daphnia magna	Static system	Fresh water	Experimental value; GLP
Toxicity algae and other aquatic plants	ErC50	OECD 201	2.8 mg/l	72 h	Pseudokirchneriella subcapitata	Static system	Fresh water	Experimental value; GLP
	NOEC	OECD 201	1 mg/l	72 h	Pseudokirchneriella subcapitata	Static system	Fresh water	Experimental value; GLP
Long-term toxicity fish	NOEC	OECD 210	1.24 mg/l	41 day(s)	Oryzias latipes	Flow-through system	Fresh water	Experimental value
Long-term toxicity aquatic crustacea	NOEC	OECD 202	0.85 mg/l	21 day(s)	Daphnia magna	Semi-static system	Fresh water	Experimental value; Reproduction
Toxicity aquatic micro-organisms	EC10	OECD 209	> 1000 mg/l	30 minutes	Activated sludge	Static system	Fresh water	Experimental value; Nominal concentration

Conclusion

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

12.2. Persistence and degradability

2-aminoethanol

Biodegradation water

Method	Value	Duration	Value determination
OECD 301A: DOC Die-Away Test	> 90 %	21 day(s)	Experimental value

Phototransformation air (DT50 air)

Method	Value	Conc. OH-radicals	Value determination
SRC AOP v1.92	10.742 h	500000 /cm ³	Calculated value

Conclusion

The surfactant(s) is/are biodegradable

12.3. Bioaccumulative potential

Soudal PU Remover

Log Kow

Method	Remark	Value	Temperature	Value determination
	Not applicable (mixture)			

2-aminoethanol

Log Kow

Method	Remark	Value	Temperature	Value determination
OECD 107		-2.3	25 °C	Experimental value

Conclusion

Does not contain bioaccumulative component(s)

12.4. Mobility in soil

2-aminoethanol

(log) Koc

Parameter	Method	Value	Value determination
log Koc	SRC PCKOCWIN v2.0	0.067	Calculated value

Conclusion

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

Reason for revision: 2;3

Publication date: 2005-11-29

Date of revision: 2017-10-18

Revision number: 0300

Product number: 42914

8 / 11

Soudal PU Remover

12.5. Results of PBT and vPvB assessment

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

12.6. Other adverse effects

Soudal PU Remover

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

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

Ozone-depleting potential (ODP)

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

Groundwater

Groundwater pollutant

2-aminoethanol

Groundwater

Groundwater pollutant

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

Can be considered as non 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).

20 01 30 (separately collected fractions (except 15 01): detergents other than those mentioned in 20 01 29). Depending on branch of industry and production process, also other waste codes may be applicable.

13.1.2 Disposal methods

Refer to manufacturer/supplier for information on recovery/ recycling. Remove for physico-chemical/biological treatment. Remove to an authorized incinerator with energy recovery. Remove waste in accordance with local and/or national regulations. Do not discharge into drains or the environment.

13.1.3 Packaging/Container

European Union

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

15 01 02 (plastic packaging).

SECTION 14: Transport information

Road (ADR), Rail (RID), Inland waterways (ADN), Sea (IMDG/IMSBC), Air (ICAO-TI/IATA-DGR)

14.1. UN number

Transport	Not subject
-----------	-------------

14.2. UN proper shipping name

14.3. Transport hazard class(es)

Hazard identification number	
Class	
Classification code	

14.4. Packing group

Packing group	
Labels	

14.5. Environmental hazards

Environmentally hazardous substance mark	no
--	----

14.6. Special precautions for user

Special provisions	
Limited quantities	

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Annex II of MARPOL 73/78	
--------------------------	--

SECTION 15: Regulatory information

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

European legislation:

VOC content Directive 2010/75/EU

VOC content	Remark
38 %	
596.6 g/l	

Indicative occupational exposure limit values (Directive 98/24/EC, 2000/39/EC and 2009/161/EU)

Product name	Skin resorption
--------------	-----------------

Reason for revision: 2;3

Publication date: 2005-11-29

Date of revision: 2017-10-18

Revision number: 0300

Product number: 42914

9 / 11

Soudal PU Remover

2-Aminoethanol

Skin

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
2-aminoethanol	Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are 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 1 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.	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 to the Commission.'

National legislation Belgium

Soudal PU Remover

No data available

2-aminoethanol

Résorption peau	Ethanolamine; D; La mention "D" signifie que la résorption de l'agent, via la peau, les muqueuses ou les yeux, constitue une partie importante de l'exposition totale. Cette résorption peut se faire tant par contact direct que par présence de l'agent dans l'air.
-----------------	---

National legislation The Netherlands

Soudal PU Remover

Waterbezwaarlijkheid B (3)

2-aminoethanol

Huidopname (wettelijk) 2-Aminoethanol; H

National legislation France

Soudal PU Remover

No data available

2-aminoethanol

Risque de pénétration percutanée	Ethanolamine; PP
----------------------------------	------------------

National legislation Germany

Soudal PU Remover

WGK	1; Classification water polluting based on the components in compliance with Verwaltungsvorschrift wassergefährdender Stoffe (VwVwS) of 27 July 2005 (Anhang 4) and Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen (AwSV) of 18 April 2017
-----	---

2-aminoethanol

TA-Luft	5.2.5; I
TRGS900 - Risiko der Fruchtschädigung	2-Amino-ethanol; Y; Risiko der Fruchtschädigung braucht bei Einhaltung des Arbeitsplatzgrenzwertes und des biologischen Grenzwertes nicht befürchtet zu werden
Sensibilisierende Stoffe	2-Amino-ethanol; Sh; Hautsensibilisierende Stoffe
Hautresorptive Stoffe	2-Amino-ethanol; H; Hautresorptiv

Reason for revision: 2;3

Publication date: 2005-11-29

Date of revision: 2017-10-18

Revision number: 0300

Product number: 42914

10 / 11

Soudal PU Remover

National legislation United Kingdom

Soudal PU Remover

No data available

2-aminoethanol

Skin absorption	2-Aminoethanol; Sk
-----------------	--------------------

Other relevant data

Soudal PU Remover

No data available

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:

H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H412 Harmful to aquatic life with long lasting effects.

(*)	INTERNAL CLASSIFICATION BY BIG
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

Specific concentration limits CLP

2-aminoethanol	C ≥ 5 %	STOT SE 3; H335	CLP Annex VI (ATP 0)
----------------	---------	-----------------	----------------------

The information in this safety data sheet is based on data and samples provided to BIG. The sheet was written to the best of our ability and according to the state of knowledge at that time. The safety data sheet only constitutes a guideline for the safe handling, use, consumption, storage, transport and disposal of the substances/preparations/mixtures mentioned under point 1. New safety data sheets are written from time to time. Only the most recent versions may be used. Old versions must be destroyed. Unless indicated otherwise word for word on the safety data sheet, the information does not apply to substances/preparations/mixtures in purer form, mixed with other substances or in processes. The safety data sheet offers no quality specification for the substances/preparations/mixtures in question. Compliance with the instructions in this safety data sheet does not release the user from the obligation to take all measures dictated by common sense, regulations and recommendations or which are necessary and/or useful based on the real applicable circumstances. BIG does not guarantee the accuracy or exhaustiveness of the information provided and cannot be held liable for any changes by third parties. This safety data sheet has been elaborated for use within the European Union, Switzerland, Iceland, Norway and Lichtenstein. It may be consulted in other countries, where local legislation with regards to the set-up of safety data sheets will take precedence. It is your obligation to verify and apply such local legislation. Use of this safety data sheet is subject to the licence and liability limiting conditions as stated in your BIG licence agreement or when this is failing the general conditions of BIG. All intellectual property rights to this sheet are the property of BIG and its distribution and reproduction are limited. Consult the mentioned agreement/conditions for details.

Reason for revision: 2;3

Publication date: 2005-11-29

Date of revision: 2017-10-18

Revision number: 0300

Product number: 42914

11 / 11