

Soudal Repair All Epoxy Stick

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

1.1. Product identifier

Product name : Soudal Repair All Epoxy Stick
 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

Sealant

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
Eye Irrit.	category 2	H319: Causes serious eye irritation.
Skin Irrit.	category 2	H315: Causes skin irritation.
Skin Sens.	category 1	H317: May cause an allergic skin reaction.
Aquatic Chronic	category 3	H412: Harmful to aquatic life with long lasting effects.

2.2. Label elements



Contains: reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700); 2,4,6-tris(dimethylaminomethyl)phenol; mercaptan prepolymer.

Signal word

Warning

H-statements

H319 Causes serious eye irritation.
 H315 Causes skin irritation.
 H317 May cause an allergic skin reaction.
 H412 Harmful to aquatic life with long lasting effects.

P-statements

P101 If medical advice is needed, have product container or label at hand.
 P102 Keep out of reach of children.
 P280 Wear protective gloves, protective clothing and eye protection/face protection.

Soudal Repair All Epoxy Stick

P264	Wash hands thoroughly after handling.
P302 + P352	IF ON SKIN: Wash with plenty of water and soap.
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313	If eye irritation persists: Get medical advice/attention.
P501	Dispose of contents/container in accordance with local/regional/national/international regulation.

2.3. Other hazards

No other hazards known

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
reaction product: bisphenol-A-(epichlorohydrin) epoxy resin (number average molecular weight ≤ 700) 01-2119456619-26	25068-38-6 500-033-5	C<19 %	Eye Irrit. 2; H319 Skin Irrit. 2; H315 Skin Sens. 1; H317 Aquatic Chronic 2; H411	(1)(8)(10)	Constituent
talc	14807-96-6 238-877-9	20%<C<40%		(2)	Constituent
2,4,6-tris(dimethylaminomethyl)phenol 01-2119560597-27	90-72-2 202-013-9	0.5%<C<1.5 %	Skin Corr. 1B; H314 Skin Sens. 1B; H317 Aquatic Chronic 3; H412	(1)(10)	Constituent
calcium carbonate 01-2119486795-18	471-34-1 207-439-9	1%<C<10%		(2)	Constituent
mercaptan prepolymer	101359-87-9	10%<C<15%	Skin Sens. 1; H317	(1)	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

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. 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:

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

Reason for revision: 2;3

Publication date: 2007-02-28

Date of revision: 2017-02-17

Soudal Repair All Epoxy Stick

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. Polyvalent foam. BC powder. Carbon dioxide.

5.1.2 Unsuitable extinguishing media:

No unsuitable extinguishing media known.

5.2. Special hazards arising from the substance or mixture

On burning: release of toxic and corrosive gases/vapours (nitrous vapours, sulphur oxides, carbon monoxide - carbon dioxide).

5.3. Advice for firefighters

5.3.1 Instructions:

Dilute toxic gases with water spray. Take account of toxic/corrosive precipitation water. Take account of environmentally hazardous firefighting water. Use water moderately and if possible collect or contain it.

5.3.2 Special protective equipment for fire-fighters:

Gloves. 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. Dam up the solid spill. Use appropriate containment to avoid environmental contamination. Prevent soil and water pollution. Prevent spreading in sewers.

6.3. Methods and material for containment and cleaning up

Scoop solid spill 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

Keep away from naked flames/heat. Observe very strict hygiene - avoid contact. Keep container tightly closed. Remove contaminated clothing immediately. Do not discharge the waste into the drain.

7.2. Conditions for safe storage, including any incompatibilities

7.2.1 Safe storage requirements:

Storage temperature: < 32 °C. Store in a cool area. Keep out of direct sunlight. 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.

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.

Soudal Repair All Epoxy Stick

Belgium

Calcium (carbonate de)	Time-weighted average exposure limit 8 h	10 mg/m ³
Talc (sans fibre d'amiante)	Time-weighted average exposure limit 8 h	2 mg/m ³

The Netherlands

Talc (respirabel)	Time-weighted average exposure limit 8 h (Public occupational exposure limit value)	0.25 mg/m ³
-------------------	---	------------------------

France

Calcium (carbonate de)	Time-weighted average exposure limit 8 h (VL: Valeur non réglementaire indicative)	10 mg/m ³
------------------------	--	----------------------

UK

Calcium carbonate inhalable dust	Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005))	10 mg/m ³
Calcium carbonate respirable dust	Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005))	4 mg/m ³
Talc, respirable dust	Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005))	1 mg/m ³

USA (TLV-ACGIH)

Talc (containing asbestos fibers)	Time-weighted average exposure limit 8 h (TLV - Adopted Value)	0.1 fibers/cm ³ (F)
Talc (containing no asbestos fibers)	Time-weighted average exposure limit 8 h (TLV - Adopted Value)	2 mg/m ³ (R,E)

(F): Respirable fibers: length > 5 µm; aspect ratio ≥ 3:1, as determined by the membrane filter method at 400-450X magnification (4-mm objective), using phase-contrast illumination

R,E: Respirable fraction. The value is for particulate matter containing no asbestos and < 1% crystalline silica

b) National biological limit values

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

8.1.2 Sampling methods

If applicable and available it will be listed below.

Calciumdicarbonate	NIOSH	7020
--------------------	-------	------

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

reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700)

Effect level (DNEL/DMEL)	Type	Value	Remark
DNEL	Long-term systemic effects inhalation	12.25 mg/m ³	
	Acute systemic effects inhalation	12.25 mg/m ³	
	Long-term systemic effects dermal	8.33 mg/kg bw/day	
	Acute systemic effects dermal	8.33 mg/kg bw/day	

calcium carbonate

Effect level (DNEL/DMEL)	Type	Value	Remark
DNEL	Long-term local effects inhalation	4.26 mg/m ³	

DNEL/DMEL - General population

reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700)

Effect level (DNEL/DMEL)	Type	Value	Remark
DNEL	Long-term systemic effects dermal	3.571 mg/kg bw/day	
	Acute systemic effects dermal	3.571 mg/kg bw/day	
	Long-term systemic effects oral	0.75 mg/kg bw/day	
	Acute systemic effects oral	0.75 mg/kg bw/day	

calcium carbonate

Effect level (DNEL/DMEL)	Type	Value	Remark
DNEL	Long-term local effects inhalation	1.06 mg/m ³	
	Long-term systemic effects oral	6.1 mg/kg bw/day	
	Acute systemic effects oral	6.1 mg/kg bw/day	

PNEC

reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700)

Compartment	Value	Remark
Fresh water	0.006 mg/l	
Marine water	0.001 mg/l	
Aqua (intermittent releases)	0.018 mg/l	
STP	10 mg/l	
Fresh water sediment	0.996 mg/kg sediment dw	
Marine water sediment	0.1 mg/kg sediment dw	
Soil	0.196 mg/kg soil dw	
Oral	11 mg/kg food	

Reason for revision: 2;3

Publication date: 2007-02-28

Date of revision: 2017-02-17

Revision number: 0302

Product number: 44893

4 / 14

Soudal Repair All Epoxy Stick

2,4,6-tris(dimethylaminomethyl)phenol

Compartment	Value	Remark
Fresh water	0.084 mg/l	
Marine water	0.0084 mg/l	
Aqua (intermittent releases)	0.84 mg/l	
STP	0.2 mg/l	

calcium carbonate

Compartment	Value	Remark
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

Keep away from naked flames/heat. 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 very strict hygiene - avoid contact. Keep container tightly closed. Do not eat, drink or smoke during work.

a) Respiratory protection:

Respiratory protection not required in normal conditions. Insufficient ventilation: wear respiratory protection.

b) Hand protection:

Gloves.

- materials (good resistance)

Natural 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	Unpleasant odour
Odour threshold	No data available
Colour	Off-white
Particle size	No data available
Explosion limits	No data available
Flammability	Not easily combustible
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	> 200 °C
Evaporation rate	No data available
Relative vapour density	Not applicable
Vapour pressure	No data available
Solubility	water ; insoluble
Relative density	2.2
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

9.2. Other information

Absolute density	2180 kg/m³
------------------	------------

SECTION 10: Stability and reactivity

10.1. Reactivity

Heating increases the fire hazard. No data available.

10.2. Chemical stability

Stable under normal conditions.

Reason for revision: 2;3

Publication date: 2007-02-28

Date of revision: 2017-02-17

Revision number: 0302

Product number: 44893

5 / 14

Soudal Repair All Epoxy Stick

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

Keep away from naked flames/heat.

10.5. Incompatible materials

No data available.

10.6. Hazardous decomposition products

On burning: release of toxic and corrosive gases/vapours (nitrous vapours, sulphur oxides, carbon monoxide - carbon dioxide).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

11.1.1 Test results

Acute toxicity

Soudal Repair All Epoxy Stick

No (test)data on the mixture available

reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700)

Route of exposure	Parameter	Method	Value	Exposure time	Species	Value determination	Remark
Oral	LD50	OECD 420	> 2000 mg/kg		Rat (female)	Experimental value	
Dermal	LD50	OECD 402	> 2000 mg/kg	24 h	Rat (male/female)	Experimental value	
Inhalation (vapours)	LC0	Other	0.000008 ppm	5 h	Rat (male)	Experimental value	

2,4,6-tris(dimethylaminomethyl)phenol

Route of exposure	Parameter	Method	Value	Exposure time	Species	Value determination	Remark
Oral	LD50	OECD 401	2169 mg/kg bw		Rat (male/female)	Experimental value	
Inhalation						Data waiving	

calcium carbonate

Route of exposure	Parameter	Method	Value	Exposure time	Species	Value determination	Remark
Oral	LD50	OECD 420	> 2000 mg/kg		Rat (female)	Experimental value	
Dermal	LD50	Equivalent to OECD 402	> 2000 mg/kg bw	24 h	Rat (male/female)	Experimental value	
Inhalation (aerosol)	LC50	Equivalent to OECD 403	> 3 mg/l	4 h	Rat (male/female)	Experimental value	

Judgement is based on the relevant ingredients

Conclusion

Not classified for acute toxicity

Corrosion/irritation

Soudal Repair All Epoxy Stick

No (test)data on the mixture available

reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700)

Route of exposure	Result	Method	Exposure time	Time point	Species	Value determination	Remark
Eye	Not irritating	OECD 405		1; 24; 48; 72; 168 hours	Rabbit	Experimental value	Single exposure
Eye	Irritating			24; 48; 72 hrs; 8 days	Rabbit	Inconclusive, insufficient data	Single treatment
Skin	Slightly irritating	OECD 404	4 h	1; 24; 48; 72 hrs; 8 days	Rabbit	Experimental value	
Skin	Irritating				Rabbit	Inconclusive, insufficient data	

2,4,6-tris(dimethylaminomethyl)phenol

Route of exposure	Result	Method	Exposure time	Time point	Species	Value determination	Remark
Eye	Serious eye damage			3 days	Rabbit	Experimental value	
Skin	Corrosive	OECD 404	4 h		Rabbit	Experimental value	

calcium carbonate

Route of exposure	Result	Method	Exposure time	Time point	Species	Value determination	Remark
Eye	Not irritating	OECD 405	72 h	1; 24; 72 hours	Rabbit	Experimental value	
Skin	Not irritating	OECD 404	4 h	1; 24; 72 hours	Rabbit	Experimental value	

Classification is based on the relevant ingredients

Reason for revision: 2;3

Publication date: 2007-02-28

Date of revision: 2017-02-17

Revision number: 0302

Product number: 44893

6 / 14

Soudal Repair All Epoxy Stick

Conclusion

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

Respiratory or skin sensitisation

Soudal Repair All Epoxy Stick

No (test)data on the mixture available

reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700)

Route of exposure	Result	Method	Exposure time	Observation time point	Species	Value determination	Remark
Dermal (on the ears)	Sensitizing	OECD 429			Mouse (female)	Experimental value	

2,4,6-tris(dimethylaminomethyl)phenol

Route of exposure	Result	Method	Exposure time	Observation time point	Species	Value determination	Remark
Skin	Sensitizing	OECD 406			Guinea pig (male)	Experimental value	

calcium carbonate

Route of exposure	Result	Method	Exposure time	Observation time point	Species	Value determination	Remark
Skin	Not sensitizing	OECD 429			Mouse (female)	Experimental value	

mercaptan prepolymer

Route of exposure	Result	Method	Exposure time	Observation time point	Species	Value determination	Remark
Skin	Sensitizing; category 1					Literature study	

Classification is based on the relevant ingredients

Conclusion

May cause an allergic skin reaction.
Not classified as sensitizing for inhalation

Specific target organ toxicity

Soudal Repair All Epoxy Stick

No (test)data on the mixture available

reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700)

Route of exposure	Parameter	Method	Value	Organ	Effect	Exposure time	Species	Value determination
Oral (stomach tube)	NOAEL	OECD 408	50 mg/kg bw/day		No effect	14 weeks (daily)	Rat (male/female)	Experimental value
Dermal	NOAEL	OECD 411	100 mg/kg bw/day		No adverse systemic effects	13 weeks (3 times/week)	Mouse (male)	Experimental value

2,4,6-tris(dimethylaminomethyl)phenol

Route of exposure	Parameter	Method	Value	Organ	Effect	Exposure time	Species	Value determination
Oral (stomach tube)	NOEL	OECD 422	15 mg/kg bw/day		No effect	54 day(s)	Rat (male/female)	Experimental value
Dermal	NOEL	Subchronic toxicity test	5 mg/kg bw/day	Skin	No effect	4 weeks (5 days/week)	Rat	Inconclusive, insufficient data

calcium carbonate

Route of exposure	Parameter	Method	Value	Organ	Effect	Exposure time	Species	Value determination
Oral (stomach tube)	NOAEL	OECD 422	1000 mg/kg bw/day		No adverse systemic effects	48 day(s)	Rat (male/female)	Experimental value

Judgement is based on the relevant ingredients

Conclusion

Not classified for subchronic toxicity

Mutagenicity (in vitro)

Soudal Repair All Epoxy Stick

No (test)data on the mixture available

reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700)

Result	Method	Test substrate	Effect	Value determination
Negative with metabolic activation, negative without metabolic activation	OECD 472	Bacteria (S.typhimurium)	No effect	Experimental value
Positive	Other	Mouse (lymphoma L5178Y cells)		Experimental value

Reason for revision: 2;3

Publication date: 2007-02-28

Date of revision: 2017-02-17

Revision number: 0302

Product number: 44893

7 / 14

Soudal Repair All Epoxy Stick

2,4,6-tris(dimethylaminomethyl)phenol

Result	Method	Test substrate	Effect	Value determination
Negative with metabolic activation, negative without metabolic activation	OECD 471	Bacteria (S.typhimurium)	No effect	Experimental value
Negative with metabolic activation, negative without metabolic activation	OECD 473	Human lymphocytes	No effect	Experimental value
Negative with metabolic activation, negative without metabolic activation	OECD 476	Mouse (lymphoma L5178Y cells)	No effect	Experimental value

calcium carbonate

Result	Method	Test substrate	Effect	Value determination
Negative	OECD 471	Bacteria (S.typhimurium)	No effect	Experimental value
Negative with metabolic activation, negative without metabolic activation	OECD 471	Escherichia coli	No effect	Experimental value
Negative with metabolic activation, negative without metabolic activation	OECD 476	Mouse (lymphoma L5178Y cells)	No effect	Experimental value
Negative	OECD 473	Human lymphocytes	No effect	Experimental value

Mutagenicity (in vivo)

Soudal Repair All Epoxy Stick

No (test)data on the mixture available

reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700)

Result	Method	Exposure time	Test substrate	Organ	Value determination
Negative	Chromosome aberration assay		Mouse (male)		Experimental value

Judgement is based on the relevant ingredients

Conclusion

Not classified for mutagenic or genotoxic toxicity

Carcinogenicity

Soudal Repair All Epoxy Stick

No (test)data on the mixture available

reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700)

Route of exposure	Parameter	Method	Value	Exposure time	Species	Effect	Organ	Value determination
Dermal	NOEL	OECD 453	100 mg/kg	104 weeks (5 days/week)	Mouse (male)	No carcinogenic effect		Experimental value
Oral	NOAEL	OECD 453	15 mg/kg/d - 100 mg/kg/d	104 weeks (daily)	Rat (male/female)	No carcinogenic effect		Experimental value

Judgement is based on the relevant ingredients

Conclusion

Not classified for carcinogenicity

Reproductive toxicity

Soudal Repair All Epoxy Stick

No (test)data on the mixture available

reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700)

	Parameter	Method	Value	Exposure time	Species	Effect	Organ	Value determination
Developmental toxicity	NOAEL	OECD 414	> 540 mg/kg/d	6 days (gestation, daily) - 15 days (gestation, daily)	Rat (female)	No effect	Foetus	Experimental value
Maternal toxicity	NOAEL	OECD 414	180 mg/kg bw/day	6 days (gestation, daily) - 15 days (gestation, daily)	Rat (female)	No effect		Experimental value
Effects on fertility	NOEL	OECD 416	750 mg/kg bw/day	238 day(s)	Rat (male/female)	No effect		Experimental value

Reason for revision: 2;3

Publication date: 2007-02-28

Date of revision: 2017-02-17

Revision number: 0302

Product number: 44893

8 / 14

Soudal Repair All Epoxy Stick

2,4,6-tris(dimethylaminomethyl)phenol

	Parameter	Method	Value	Exposure time	Species	Effect	Organ	Value determination
Developmental toxicity								Data waiving
Maternal toxicity								Data waiving
Effects on fertility	NOEL	OECD 422	15 mg/kg bw/day	54 day(s)	Rat (male/female)	No effect		Experimental value

calcium carbonate

	Parameter	Method	Value	Exposure time	Species	Effect	Organ	Value determination
Developmental toxicity	NOAEC	Equivalent to OECD 414	1963 mg/kg bw/day - 2188 mg/kg bw/day	62 day(s)	Rat	No effect	Foetus	Experimental value
Maternal toxicity	NOAEC	Equivalent to OECD 414	1963 mg/kg bw/day - 2188 mg/kg bw/day	62 day(s)	Rat	No effect		Experimental value
Effects on fertility	NOEL	Equivalent to OECD 422	1000 mg/kg bw/day	48 day(s)	Rat (male/female)	No effect		Experimental value

Judgement is based on the relevant ingredients

Conclusion

Not classified for reprotoxic or developmental toxicity

Toxicity other effects

Soudal Repair All Epoxy Stick

No (test)data on the mixture available

Chronic effects from short and long-term exposure

Soudal Repair All Epoxy Stick

ON CONTINUOUS/REPEATED EXPOSURE/CONTACT: Skin rash/inflammation.

SECTION 12: Ecological information

12.1. Toxicity

Soudal Repair All Epoxy Stick

No (test)data on the mixture available

reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700)

	Parameter	Method	Value	Duration	Species	Test design	Fresh/salt water	Value determination
Acute toxicity fishes	LC50	OECD 203	2.3 mg/l	96 h	Oncorhynchus mykiss	Semi-static system	Fresh water	Experimental value; Nominal concentration
Acute toxicity crustacea	EC50	Equivalent to OECD 202	1.1 mg/l - 2.8 mg/l	48 h	Daphnia magna	Static system	Fresh water	Experimental value; Locomotor effect
Toxicity algae and other aquatic plants	ErC50	EPA 660/3 - 75/009	> 11 mg/l	72 h	Scenedesmus sp.	Static system	Fresh water	Experimental value
	NOEC	EPA 660/3 - 75/009	4.2 mg/l	72 h	Scenedesmus sp.	Static system	Fresh water	Experimental value
Long-term toxicity fish								Data waiving
Long-term toxicity aquatic crustacea	NOEC	Equivalent to OECD 211	0.3 mg/l	21 day(s)	Daphnia magna	Semi-static system	Fresh water	Experimental value; GLP
Toxicity aquatic micro-organisms	IC50		> 100 mg/l	3 h	Activated sludge	Static system	Fresh water	Experimental value; Nominal concentration

talc

	Parameter	Method	Value	Duration	Species	Test design	Fresh/salt water	Value determination
Acute toxicity fishes	LC50		> 100 g/l	24 h	Brachydanio rerio	Semi-static system		

Reason for revision: 2;3

Publication date: 2007-02-28

Date of revision: 2017-02-17

Revision number: 0302

Product number: 44893

9 / 14

Soudal Repair All Epoxy Stick

2,4,6-tris(dimethylaminomethyl)phenol

	Parameter	Method	Value	Duration	Species	Test design	Fresh/salt water	Value determination
Acute toxicity fishes	LC50		180 mg/l - 240 mg/l	96 h	Salmo gairdneri	Static system	Fresh water	Experimental value; Lethal
Acute toxicity crustacea	LC50		718 mg/l	96 h	Palaemonetes sp.	Static system	Salt water	Experimental value; Lethal
Toxicity algae and other aquatic plants	ErC50	OECD 201	84 mg/l	72 h	Scenedesmus subspicatus	Static system	Fresh water	Experimental value; GLP
Long-term toxicity fish								Data waiving
Long-term toxicity aquatic crustacea								Data waiving
Toxicity aquatic micro-organisms	NOEC	OECD 301D	2 mg/l	28 day(s)	Activated sludge	Static system	Fresh water	Experimental value; Respiration

calcium carbonate

	Parameter	Method	Value	Duration	Species	Test design	Fresh/salt water	Value determination
Acute toxicity fishes	LC50	OECD 203	> 100 %	96 h	Oncorhynchus mykiss	Semi-static system	Fresh water	Experimental value; Saturated solution
Acute toxicity crustacea	EC50	OECD 202	> 100 %	48 h	Daphnia magna	Static system	Fresh water	Experimental value; Saturated solution
Toxicity algae and other aquatic plants	EC50	OECD 201	> 14 mg/l	72 h	Desmodesmus subspicatus	Static system	Fresh water	Experimental value; GLP
Long-term toxicity fish								Data waiving
Long-term toxicity aquatic crustacea								Data waiving
Toxicity aquatic micro-organisms	NOEC	OECD 209	1000 mg/l	3 h	Activated sludge	Static system	Fresh water	Experimental value; GLP

Classification is based on the relevant ingredients

Conclusion

Harmful to aquatic life with long lasting effects.

12.2. Persistence and degradability

reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700)

Biodegradation water

Method	Value	Duration	Value determination
OECD 301F: Manometric Respirometry Test	5 %; Oxygen consumption	28 day(s)	Experimental value

Phototransformation air (DT50 air)

Method	Value	Conc. OH-radicals	Value determination
AOPWIN v1.91	6.44 h	500000 /cm ³	Calculated value

Half-life water (t1/2 water)

Method	Value	Primary degradation/mineralisation	Value determination
OECD 111: Hydrolysis as a function of pH	86 h; pH = 7		Experimental value

2,4,6-tris(dimethylaminomethyl)phenol

Biodegradation water

Method	Value	Duration	Value determination
OECD 301D: Closed Bottle Test	4 %; GLP	28 day(s)	Experimental value

Conclusion

Contains non readily biodegradable component(s)

12.3. Bioaccumulative potential

Soudal Repair All Epoxy Stick

Log Kow

Method	Remark	Value	Temperature	Value determination
	Not applicable (mixture)			

reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700)

BCF other aquatic organisms

Parameter	Method	Value	Duration	Species	Value determination
BCF	Other	31; Fresh weight			Estimated value

Log Kow

Method	Remark	Value	Temperature	Value determination
OECD 117		2.64 - 3.78	25 °C	Experimental value

Reason for revision: 2;3

Publication date: 2007-02-28

Date of revision: 2017-02-17

Revision number: 0302

Product number: 44893

10 / 14

Soudal Repair All Epoxy Stick

talc

Log Kow

Method	Remark	Value	Temperature	Value determination
	No data available			

2,4,6-tris(dimethylaminomethyl)phenol

Log Kow

Method	Remark	Value	Temperature	Value determination
EPA OPPTS 830.7560		-0.66	21.5 °C	Experimental value

calcium carbonate

Log Kow

Method	Remark	Value	Temperature	Value determination
		-2.12		Estimated value

mercaptan prepolymer

Log Kow

Method	Remark	Value	Temperature	Value determination
	No data available			

Conclusion

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

12.4. Mobility in soil

reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700)

(log) Koc

Parameter	Method	Value	Value determination
log Koc	SRC PCKOCWIN v2.0	2.65	QSAR

Percent distribution

Method	Fraction air	Fraction biota	Fraction sediment	Fraction soil	Fraction water	Value determination
Mackay level III	0 %		1.9 %	84.3 %	13.8 %	Calculated value

2,4,6-tris(dimethylaminomethyl)phenol

(log) Koc

Parameter	Method	Value	Value determination
Koc	SRC PCKOCWIN v2.0	20.98	QSAR

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

Due to insufficient data no statement can be made whether the component(s) fulfil(s) the criteria of PBT and vPvB according to Annex XIII of Regulation (EC) No 1907/2006.

12.6. Other adverse effects

Soudal Repair All Epoxy Stick

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

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

Ozone-depleting potential (ODP)

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

SECTION 13: Disposal considerations

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

13.1. Waste treatment methods

13.1.1 Provisions relating to waste

European Union

Hazardous waste according to Directive 2008/98/EC.

Waste material code (Directive 2008/98/EC, Decision 2000/0532/EC).

08 04 09* (wastes from MFSU of adhesives and sealants (including waterproofing products): waste adhesives and sealants containing organic solvents or other hazardous substances). Depending on branch of industry and production process, also other waste codes may be applicable.

13.1.2 Disposal methods

Recycle/reuse. Dissolve or mix with a combustible solvent. Remove to an authorized incinerator equipped with an afterburner and a flue gas scrubber with energy recovery. 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

European Union

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

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

Reason for revision: 2;3

Publication date: 2007-02-28

Date of revision: 2017-02-17

Revision number: 0302

Product number: 44893

11 / 14

Soudal Repair All Epoxy Stick

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
< 1 %	
< 21.8 g/l	

European drinking water standards (Directive 98/83/EC)

reaction product: bisphenol-A-(epichlorohydrin) epoxy resin (number average molecular weight ≤ 700)

Parameter	Parametric value	Note	Reference
Epichlorohydrin	0,1 µg/l		Listed in Annex I, Part B, of Directive 98/83/EC on the quality of water intended for human consumption.

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
reaction product: bisphenol-A-(epichlorohydrin) epoxy resin (number average molecular weight ≤ 700) 2,4,6-tris(dimethylaminomethyl)phenol	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

Reason for revision: 2;3

Publication date: 2007-02-28

Date of revision: 2017-02-17

Revision number: 0302

Product number: 44893

12 / 14

Soudal Repair All Epoxy Stick

available to the Commission.

National legislation Belgium

Soudal Repair All Epoxy Stick

No data available

National legislation The Netherlands

Soudal Repair All Epoxy Stick

Waste identification (the Netherlands) LWCA (the Netherlands): KGA category 03

National legislation France

Soudal Repair All Epoxy Stick

No data available

National legislation Germany

Soudal Repair All Epoxy Stick

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

reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700)

TA-Luft 5.2.5; I

talc

TA-Luft 5.2.1

calcium carbonate

TA-Luft 5.2.1

National legislation United Kingdom

Soudal Repair All Epoxy Stick

No data available

Other relevant data

Soudal Repair All Epoxy Stick

No data available

talc

TLV - Carcinogen Talc (containing no asbestos fibers); A4

Talc (containing asbestos fibers); A1

IARC - classification 3; Talc

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 headings 2 and 3:

- H314 Causes severe skin burns and eye damage.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H411 Toxic to aquatic life with long lasting effects.
- 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

reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700)	C \geq 5%	Eye Irrit. 2; H319	CLP Annex VI (ATP 0)
	C \geq 5 %	Skin Irrit. 2; H315	CLP Annex VI (ATP 0)

Reason for revision: 2;3

Publication date: 2007-02-28

Date of revision: 2017-02-17

Revision number: 0302

Product number: 44893

13 / 14

Soudal Repair All Epoxy Stick

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: 2007-02-28

Date of revision: 2017-02-17

Revision number: 0302

Product number: 44893

14 / 14