

## Fix All Flexi

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

#### 1.1. Product identifier

Product name : Fix All Flexi  
 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

SOULDAL 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

SOULDAL 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

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

#### 2.2. Label elements

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

#### 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 mass of: N,N'-ethane-1,2-diybis(hexanamide)/12-hydroxy-N-[2-[(1-oxihexyl)amino]ethyl]octadecanamide/N,N'-ethane-1,2-diybis(12-hydroxyoctadecanamide) 01-0000017860-69	432-430-3	0.25%<C<2.5%	Aquatic Chronic 4; H413	(1)	Constituent

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

# Fix All Flexi

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General:

If you feel unwell, seek medical advice.

#### After inhalation:

Remove the victim into fresh air. Respiratory problems: consult a doctor/medical service.

#### After skin contact:

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

#### After eye contact:

Rinse with 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. 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:

ON CONTINUOUS EXPOSURE/CONTACT: Tingling/irritation of the skin.

##### After eye contact:

No effects known.

##### 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, Quick-acting BC powder extinguisher, Quick-acting class B foam extinguisher, Quick-acting CO2 extinguisher.

Major fire: Class B foam (not alcohol-resistant).

#### 5.1.2 Unsuitable extinguishing media:

Small fire: Water (quick-acting extinguisher, reel); risk of puddle expansion.

Major fire: Water; risk of puddle expansion.

### 5.2. Special hazards arising from the substance or mixture

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

### 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. 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. Protective clothing.

##### Suitable protective clothing

See heading 8.2

### 6.2. Environmental precautions

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

# Fix All Flexi

## 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. Observe normal hygiene standards.

### 7.2. Conditions for safe storage, including any incompatibilities

#### 7.2.1 Safe storage requirements:

Store at room temperature. 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.

##### 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.

#### 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 - General population

Fix All Flexi

Effect level (DNEL/DMEL)	Type	Value	Remark
DNEL	Long-term systemic effects inhalation	16.6 mg/m <sup>3</sup>	
	Long-term systemic effects dermal	1.2 mg/kg bw/day	
	Long-term systemic effects oral	5 mg/kg bw/day	

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

##### a) Respiratory protection:

Respiratory protection not required in normal conditions.

##### b) Hand protection:

Gloves.

##### c) Eye protection:

Safety glasses.

##### d) Skin protection:

Protective clothing.

Reason for revision: 12

Publication date: 2013-02-18

Date of revision: 2018-04-25

Revision number: 0302

Product number: 53591

3 / 9

# Fix All Flexi

## 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	Variable in colour, depending on the composition
Particle size	No data available
Explosion limits	No data available
Flammability	Non-flammable
Log Kow	Not applicable (mixture)
Dynamic viscosity	No data available
Kinematic viscosity	No data available
Melting point	No data available
Boiling point	No data available
Evaporation rate	No data available
Relative vapour density	No data available
Vapour pressure	No data available
Solubility	Water ; insoluble Organic solvents ; soluble
Relative density	1.6 ; 20 °C
Decomposition temperature	No data available
Auto-ignition temperature	No data available
Flash point	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

Surface tension	No data available
Absolute density	1600 kg/m <sup>3</sup> ; 20 °C

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Heating increases the fire hazard. No data available.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No data available.

### 10.4. Conditions to avoid

#### Precautionary measures

Keep away from naked flames/heat.

### 10.5. Incompatible materials

No data available.

### 10.6. Hazardous decomposition products

Upon combustion: formation of CO, CO<sub>2</sub> and small quantities of nitrous vapours, hydrogen chloride.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### 11.1.1 Test results

#### Acute toxicity

##### Fix All Flexi

No (test) data on the mixture available

Judgement is based on the relevant ingredients

Reason for revision: 12

Publication date: 2013-02-18

Date of revision: 2018-04-25

Revision number: 0302

Product number: 53591

4 / 9

# Fix All Flexi

reaction mass of: N,N'-ethane-1,2-diylbis(hexanamide)/12-hydroxy-N-[2-[(1-oxihexyl)amino]ethyl]octadecanamide/N,N'-ethane-1,2-diylbis(12-hydroxyoctadecanamide)

Route of exposure	Parameter	Method	Value	Exposure time	Species	Value determination	Remark
Oral	LD50		> 2000 mg/kg		Rat	Literature study	
Dermal	LD50		> 2000 mg/kg		Rat	Literature study	

## Conclusion

Not classified for acute toxicity

## Corrosion/irritation

### Fix All Flexi

No (test)data on the mixture available

Judgement is based on the relevant ingredients

## Conclusion

Not classified as irritating to the skin

Not classified as irritating to the eyes

Not classified as irritating to the respiratory system

## Respiratory or skin sensitisation

### Fix All Flexi

No (test)data on the mixture available

Judgement is based on the relevant ingredients

reaction mass of: N,N'-ethane-1,2-diylbis(hexanamide)/12-hydroxy-N-[2-[(1-oxihexyl)amino]ethyl]octadecanamide/N,N'-ethane-1,2-diylbis(12-hydroxyoctadecanamide)

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

## Conclusion

Not classified as sensitizing for skin

Not classified as sensitizing for inhalation

## Specific target organ toxicity

### Fix All Flexi

No (test)data on the mixture available

Judgement is based on the relevant ingredients

reaction mass of: N,N'-ethane-1,2-diylbis(hexanamide)/12-hydroxy-N-[2-[(1-oxihexyl)amino]ethyl]octadecanamide/N,N'-ethane-1,2-diylbis(12-hydroxyoctadecanamide)

Route of exposure	Parameter	Method	Value	Organ	Effect	Exposure time	Species	Value determination
Oral	NOAEL		1000 mg/kg bw/day		No effect	28 day(s)	Rat	Literature study

## Conclusion

Not classified for subchronic toxicity

## Mutagenicity (in vitro)

### Fix All Flexi

No (test)data on the mixture available

reaction mass of: N,N'-ethane-1,2-diylbis(hexanamide)/12-hydroxy-N-[2-[(1-oxihexyl)amino]ethyl]octadecanamide/N,N'-ethane-1,2-diylbis(12-hydroxyoctadecanamide)

Result	Method	Test substrate	Effect	Value determination
Negative	Ames test	Bacteria (S.typhimurium)		Literature study
Negative	Ames test	Escherichia coli		Literature study
Negative	Chromosome aberration assay	Human lymphocytes		Literature study

## Mutagenicity (in vivo)

### Fix All Flexi

No (test)data on the mixture available

Judgement is based on the relevant ingredients

## Conclusion

Not classified for mutagenic or genotoxic toxicity

## Carcinogenicity

Reason for revision: 12

Publication date: 2013-02-18

Date of revision: 2018-04-25

Revision number: 0302

Product number: 53591

5 / 9

# Fix All Flexi

## Fix All Flexi

No (test) data on the mixture available  
Judgement is based on the relevant ingredients

### Conclusion

Not classified for carcinogenicity

## Reproductive toxicity

### Fix All Flexi

No (test) data on the mixture available  
Judgement is based on the relevant ingredients

### Conclusion

Not classified for reprotoxic or developmental toxicity

## Toxicity other effects

### Fix All Flexi

No (test) data on the mixture available

## Chronic effects from short and long-term exposure

### Fix All Flexi

No effects known.

## SECTION 12: Ecological information

### 12.1. Toxicity

#### Fix All Flexi

	Parameter	Method	Value	Duration	Species	Test design	Fresh/salt water	Value determination
Toxicity algae and other aquatic plants	ErC50	OECD 201	190 mg/l	72 h	Pseudokirchneriella subcapitata	Static system	Fresh water	Experimental value of similar product

Judgement is based on the relevant ingredients

reaction mass of: N,N'-ethane-1,2-diylbis(hexanamide)/12-hydroxy-N-[2-[(1-oxohexyl)amino]ethyl]octadecanamide/N,N'-ethane-1,2-diylbis(12-hydroxyoctadecanamide)

	Parameter	Method	Value	Duration	Species	Test design	Fresh/salt water	Value determination
Acute toxicity fishes	LC50		> 1000 mg/l	96 h	Oncorhynchus mykiss			Literature study
Acute toxicity crustacea	EC50		> 1000 mg/l	48 h	Daphnia magna			Literature study
Toxicity algae and other aquatic plants	EC50	EPIWIN 3.10	85 mg/l	96 h	Algae			Calculated value
Long-term toxicity aquatic crustacea	NOEC		0.9 mg/l	21 day(s)	Daphnia magna	Semi-static system	Fresh water	Experimental value

### Conclusion

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

### 12.2. Persistence and degradability

reaction mass of: N,N'-ethane-1,2-diylbis(hexanamide)/12-hydroxy-N-[2-[(1-oxohexyl)amino]ethyl]octadecanamide/N,N'-ethane-1,2-diylbis(12-hydroxyoctadecanamide)

#### Biodegradation water

Method	Value	Duration	Value determination
	20 %	28 day(s)	Literature study

### Conclusion

Contains non readily biodegradable component(s)

### 12.3. Bioaccumulative potential

#### Fix All Flexi

#### Log Kow

Method	Remark	Value	Temperature	Value determination
	Not applicable (mixture)			

Reason for revision: 12

Publication date: 2013-02-18

Date of revision: 2018-04-25

Revision number: 0302

Product number: 53591

6 / 9

# Fix All Flexi

reaction mass of: N,N'-ethane-1,2-diylbis(hexanamide)/12-hydroxy-N-[2-[(1-oxihexyl)amino]ethyl]octadecanamide/N,N'-ethane-1,2-diylbis(12-hydroxyoctadecanamide)

## Log Kow

Method	Remark	Value	Temperature	Value determination
EU Method A.8		> 6		Experimental value

## Conclusion

Contains bioaccumulative component(s)

## 12.4. Mobility in soil

Contains component(s) that adsorb(s) into 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

### Fix All Flexi

#### 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)

reaction mass of: N,N'-ethane-1,2-diylbis(hexanamide)/12-hydroxy-N-[2-[(1-oxihexyl)amino]ethyl]octadecanamide/N,N'-ethane-1,2-diylbis(12-hydroxyoctadecanamide)

#### 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).

08 04 10 (wastes from MFSU of adhesives and sealants (including waterproofing products): waste adhesives and sealants other than those mentioned in 08 04 09). Depending on branch of industry and production process, also other waste codes may be applicable.

#### 13.1.2 Disposal methods

Recycle/reuse. 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. 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	

Reason for revision: 12

Publication date: 2013-02-18

Date of revision: 2018-04-25

Revision number: 0302

Product number: 53591

7 / 9

# Fix All Flexi

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

Annex II of MARPOL 73/78

Not applicable, based on available data

## 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
< 1.2693 %	
< 20.3088 g/l	

#### National legislation Belgium

Fix All Flexi

No data available

#### National legislation The Netherlands

Fix All Flexi

No data available

#### National legislation France

Fix All Flexi

No data available

#### National legislation Germany

Fix All Flexi

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

reaction mass of: N,N'-ethane-1,2-diylbis(hexanamide)/12-hydroxy-N-[2-[(1-oxohexyl)amino]ethyl]octadecanamide/N,N'-ethane-1,2-diylbis(12-hydroxyoctadecanamide)

TA-Luft 5.2.5; I

#### National legislation United Kingdom

Fix All Flexi

No data available

#### Other relevant data

Fix All Flexi

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:

H413 May cause long lasting harmful effects to aquatic life.

(*)	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

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

Reason for revision: 12

Publication date: 2013-02-18

Date of revision: 2018-04-25

Revision number: 0302

Product number: 53591

8 / 9



# Fix All Flexi

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.

STOBA

Reason for revision: 12

Publication date: 2013-02-18

Date of revision: 2018-04-25

Revision number: 0302

Product number: 53591

9 / 9