

# SAFETY DATA SHEET

Based upon Regulation (EC) No. 1907/2006, as amended by Regulation (EC) No. 453/2010

## Section 1. Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier:

Product Name : Flexyfix  
Registration Number REACH: Not applicable (mixture)  
Product type REACH: Mixture (Organic)

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

#### 1.2.1 Relevant identified uses

Sealing compound, Adhesive

#### 1.2.2 Uses advised against

No uses advised against

### 1.3 Details of the supplier of the safety data sheet:

#### Supplier of safety data sheet

Rewmar Limited  
Units 1&2 Munro Business Park  
Marton Road  
Birdingbury  
CV23 8EH  
Tel.: +44 870 609 1548  
Fax: +44 1926 633850

### 1.4 Emergency telephone number

01926 633823 (office hours only)

## Section 2. Hazards Identification

### 2.1 Classification of substance or mixture:

#### 2.1.1 Classification according to Regulation EC No 1272/2008

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

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

Not classified as dangerous according to the criteria of directive(s) 67/548/EEC and/or 1999/45/EC

### 2.2 Label elements:

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

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

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

Not classified as dangerous in compliance with Directive 67/548/EEC and/or Directive 1999/45/EC

### 2.3 Other hazards:

CLP

Slightly irritant to eyes

DSD/DPD

Slightly irritant to eyes

## Section 3. Composition/information on ingredients

### 3.1 Substances:

Not applicable

Reason for revision: CLP

Revision number: 0301

Publication date: 2011-05-16

Date of revision: 2013-06-04

### 3.2 Mixtures:

Name (REACH Registration No)	CAS No EC No	Conc. (C)	Classification according to DSD/DPD	CLP Classification	Note	Remark
hydrocarbons, C13-C23, n-alkanes, isoalkanes, cyclics, <0.03% aromatics (01-2119552497-29)		1%<C<10%	Xn; R65	Asp. Tox. 1; H304	(1)(10)	UVCB
bis(2,2,6,6-tetramethyl-4-piperidyl)sebacate (01-2119537297-32)	52829-07-9 258-207-9	0.1%<C<2.5%	Xi; R36 N; R51-53	Eye Irrit. 2; H319 Aquatic Chronic 2; H411	(1)	Constituent
reaction mass of octadecanamide, 12-hydroxy-n-2-[(1-oxodecyl)amino]ethyl]- and n,n'-ethane-1,2-diylbis(12-hydroxyoctadecan-1-amide) and decanamide, n,n'-1,2-ethanediylbis- (01-2119545465-35)	907-495-0	2.5%<C<25%	R52-53	Aquatic Chronic 3; H412	(1)	Reaction product
dioctylbis(pentane-2,4-dionato-O,O')tin (01-0000020199-67)	54068-28-9 483-270-6	0.1%<C<1%	Repr. Cat. 3; R62 - 63 Xn; R48/20/21/22 R43	Repr. 2; H361fd STOT RE 2; H373 Skin Sens. 1; H317 Aquatic Chronic 3; H412	(1)	Constituent

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

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. 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:

No effects known.

##### After eye contact:

Slight irritation.

##### 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. Fire-fighting measures

### 5.1 Suitable extinguishing media:

Water spray  
Polyvalent foam  
ABC powder  
Carbon Dioxide

### 5.2 Unsuitable extinguishing media

None

### 5.3 Special exposure hazards

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

### 5.4 Instructions:

No specific fire fighting instructions required

## 5.5 Special protective equipment for firefighters:

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:

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 a soap solution. 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. 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. Store at room temperature. Meet the legal requirements. Max. storage time: 1 year(s).

#### 7.2.2 Keep away from:

Heat sources, water/moisture.

#### 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

No data available

#### 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 – Workers

hydrocarbons, C13-C23, n-alkanes, isoalkanes, cyclics, <0.03% aromatics

Effect level (DNEL/DMEL)	Type	Value	Remark
		No data available	

bis(2,2,6,6-tetramethyl-4-piperidyl)sebacate

Effect level (DNEL/DMEL)	Type	Value	Remark
DNEL	Acute systemic effects inhalation	2 mg/kg bw/day	
	Acute systemic effects dermal	5.6 mg/m <sup>3</sup>	
	Long-term systemic effects dermal	2 mg/kg bw/day	
	Long-term systemic effects inhalation	5.6 mg/m <sup>3</sup>	

reaction mass of octadecanamide, 12-hydroxy-n-[2-[(1-oxodecyl)amino]ethyl]- and n,n'-ethane-1,2-diylbis(12-hydroxyoctadecan-1-amide) and decanamide,

Effect level (DNEL/DMEL)	Type	Value	Remark
DNEL	Acute systemic effects inhalation	3 mg/m <sup>3</sup>	
	Acute local effects dermal	11.2 mg/cm <sup>2</sup>	
	Acute local effects inhalation	3 mg/m <sup>3</sup>	
	Long-term local effects dermal	3.75 mg/cm <sup>2</sup>	
	Long-term local effects inhalation	3 mg/m <sup>3</sup>	

#### DNEL - General population

hydrocarbons, C13-C23, n-alkanes, isoalkanes, cyclics, <0.03% aromatics

Effect level (DNEL/DMEL)	Type	Value	Remark
		No data available	

bis(2,2,6,6-tetramethyl-4-piperidyl)sebacate

Effect level (DNEL/DMEL)	Type	Value	Remark
DNEL	Acute systemic effects dermal	1 mg/kg bw/day	
	Acute systemic effects inhalation	1.4 mg/m <sup>3</sup>	
	Acute -systemic effects oral	1 mg/kg bw/day	
	Long-term systemic effects dermal	1 mg/kg bw/day	
	Long-term systemic effects inhalation	1.4 mg/m <sup>3</sup>	
	Long-term systemic effects oral	1 mg/kg bw/day	

reaction mass of octadecanamide, 12-hydroxy-n-[2-[(1-oxodecyl)amino]ethyl]- and n,n'-ethane-1,2-diylbis(12-hydroxyoctadecan-1-amide) and decanamide,

Effect level (DNEL/DMEL)	Type	Value	Remark
DNEL	Acute local effects dermal	11.2 mg/cm <sup>2</sup>	
	Long-term systemic effects oral	0.56 mg/kg bw/day	
	Long-term local effects dermal	3.75 mg/cm <sup>2</sup>	

#### PNEC

hydrocarbons, C13-C23, n-alkanes, isoalkanes, cyclics, <0.03% aromatics

Compartments	Type	Value	Remark
		No data available	

bis(2,2,6,6-tetramethyl-4-piperidyl)sebacate

Compartments	Value	Remark
Fresh water	0.005 mg/l	
Marine water	0.0005 mg/l	
Aqua (intermittent releases)	0.011 mg/l	
STP	1 mg/l	
Fresh water sediment	8.02 mg/kg sediment dw	
Fresh water	0.802 mg/kg sediment dw	
Soil	1.6 mg/kg soil dw	

reaction mass of octadecanamide, 12-hydroxy-n-[2-[(1-oxodecyl)amino]ethyl]- and n,n'-ethane-1,2-diylbis(12-hydroxyoctadecan-1-amide) and decanamide,

Compartments	Value	Remark
Fresh water	43.2 µg/l	
Salt water	43.2 µg/l	
STP	10 mg/l	
Fresh water sediment	1080 mg/kg sediment dw	
Marine water sediment	108 mg/kg sediment dw	
Soil	217 mg/kg soil dw	

#### 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. 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:

Insufficient ventilation: wear respiratory protection

- b) Hand protection:  
Impermeable gloves.
- c) Eye protection:  
Safety glasses.
- 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	Barely perceptible
Colour	White
Viscosity	No data available
Boiling point	No data available
Flash point	>240 °C
Evaporation rate	No data available
Solubility	water ; insoluble
Relative density	1.4 Approx

#### Physical hazards

No physical hazard class

## Section 10. Stability and reactivity

### 10.1 Reactivity:

Heating increases the fire hazard.

### 10.2 Chemical stability:

Stable under normal conditions.

### 10.3 Possibility of hazardous reactions:

No data available.

### 10.4 Conditions to avoid:

Keep away from naked flames/heat.

### 10.5 Incompatible materials:

Water/moisture

### 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:

#### Acute toxicity:

Not classified for acute toxicity.

#### Corrosion/irritation:

Not classified as irritating to eyes or skin .

#### Respiratory or skin sensitisation:

Not classified as sensitising for skin

#### General:

Not classified for carcinogenicity

Not classified for mutagenic or genotoxic toxicity

No known effects from short or long term exposure

## Section 12. Ecological information

### 12.1 Toxicity:

Not classified as dangerous for the environment according to the criteria of Directive 1999/45/EC

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

### 12.2 Persistence and degradability:

Contains non readily biodegradable component(s)

### 12.3 Bioaccumulative potential:

Contains bioaccumulative component(s)

### 12.4 Mobility in soil:

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

### 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:

Global warming potential (GWP)

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

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

bis(2,2,6,6-tetramethyl-4-piperidyl)sebacate

Ground water

Ground water pollutant

## Section 13. Disposal considerations

### 13.1 Waste treatment methods:

#### 13.1.1 Provisions relating to waste

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

08 04 10 (waste adhesives and sealants other than those mentioned in 08 04 09). Depending on branch of industry and production process, also other EURAL codes may be applicable. Can be considered as non hazardous waste according to Directive 2008/98/EC.

#### 13.1.2 Disposal methods

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

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

15 01 02 (plastic packaging).

## Section 14. Transport information

### Road (ADR)

#### 14.1 UN number:

Transport	Not subject
UN number	

#### 14.2 UN proper shipping name:

#### 14.3 Transport hazard class(es):

Hazard identification number	
Class	
Classification code	

#### 14.4 Packing group:

Packaging	
Labels	

#### 14.5 Environmental hazards:

Environmentally hazardous substance mark	no
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#### 14.6 Special precautions for user:

Special provisions	
Limited quantities	

### Rail (RID)

#### 14.1 UN number:

Transport	Not subject
UN number	

#### 14.2 UN proper shipping name:

#### 14.3 Transport hazard class(es):

Hazard identification number	
Class	
Classification code	

**14.4 Packing group:**

Packaging	
Labels	

**14.5 Environmental hazards:**

Environmentally hazardous substance mark	no
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**14.6 Special precautions for user:**

Special provisions	
Limited quantities	

**Inland waterways (ADN)**
**14.1 UN number:**

Transport	Not subject
UN number	

**14.2 UN proper shipping name:**
**14.3 Transport hazard class(es):**

Hazard identification number	
Class	
Classification code	

**14.4 Packing group:**

Packaging	
Labels	

**14.5 Environmental hazards:**

Environmentally hazardous substance mark	no
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**14.6 Special precautions for user:**

Special provisions	
Limited quantities	

**Sea (IMDG)**
**14.1 UN number:**

Transport	Not subject
UN number	

**14.2 UN proper shipping name:**
**14.3 Transport hazard class(es):**

Hazard identification number	
Class	
Classification code	

**14.4 Packing group:**

Packaging	
Labels	

**14.5 Environmental hazards:**

Environmentally hazardous substance mark	no
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**14.6 Special precautions for user:**

Special provisions	
Limited quantities	

**Air (ICAO-TI/IATA-DGR)**
**14.1 UN number:**

Transport	Not subject
UN number	

**14.2 UN proper shipping name:**
**14.3 Transport hazard class(es):**

Hazard identification number	
Class	
Classification code	

**14.4 Packing group:**

Packaging	
Labels	

**14.5 Environmental hazards:**

Environmentally hazardous substance mark	no
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**14.6 Special precautions for user:**

Special provisions	
Passenger and cargo transport: limited quantities: maximum net quantity per packaging	

## Section 15. Regulatory information

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:**
**European legislation:**

Volatile organic compounds (VOC) 2 %

**15.2 Chemical safety assessment:**

No chemical safety assessment has been conducted.

## Section 16. Other information

Information based on classification according to CLP

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

R36 Irritating to eyes

R43 May cause sensitisation by skin contact

R48/20/21/22 Harmful: danger of serious damage to health by prolonged exposure through inhalation, contact with skin and if swallowed

R51 Toxic to aquatic organisms

R52 Harmful to aquatic organisms

R53 May cause long-term adverse effects in the aquatic environment

R62 Possible risk of impaired fertility

R63 Possible risk of harm to the unborn child

R65 Harmful: may cause lung damage if swallowed

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

H304 May be fatal if swallowed and enters airways.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H361fd Suspected of damaging fertility. Suspected of damaging the unborn child.

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

H373 May cause damage to organs through prolonged or repeated exposure in contact with skin.

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

H411 Toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects.

PBT-substances = persistent, bioaccumulative and toxic substances

DSD Dangerous Substance Directive

DPD Dangerous Preparation Directive

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

**Specific concentration limits CLP**

dioctylbis(pentane-2,4-dionato-O,O')tin	C > 5 %	Skin Sens. 1; H317
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**Specific concentration limits DSD**

dioctylbis(pentane-2,4-dionato-O,O')tin	C > 5 %	Xi;R 43
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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.