



# GUROFLEX-N Component A - resin

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## Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)

### 0. Information about the data sheet

Revision date: 19.02.2020  
Supersedes edition: 01.06.2017

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

#### 1.1. Product identifier:

REACH Registration number: ---

Trade name: **GUROFLEX-N  
Component A - resin**

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

Purpose of use: Cold applied two-component potting and casting resin.

Uses advised against: ---

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

Company: TE Connectivity Australia Pty Ltd Tel.: [+61 2 4389 6000](tel:+61243896000)

Address: TE Connectivity  
2/3 CORELLA CLOSE  
BERKELEY VALE, NSW, 2261

E-mail Support: [energy.au@te.com](mailto:energy.au@te.com)

#### 1.4. Emergency telephone number: Tel: 02 43896000 (8am – 5pm Mon-Fri)

24-hour emergency telephone number:

Tel: 02 43896000 (8am – 5pm Mon-Fri) / 0499880111 (After hours).

### 2. Hazards identification

#### 2.1. Classification of the substance or mixture:

**Classification according to Regulation (EC) No. 1272/2008 [CLP]:**

The mixture is not subject to labelling in accordance with CLP Regulation No. 1272/2008/EC, according to the GHS criteria.

#### 2.2. Label elements:

##### 2.2.1. Labelling according to Regulation (EC) No. 1272/2008 [CLP/GHS]:

None.

#### 2.3. Other hazards:

Material causes no hazard under normal working conditions.

### 3. Composition / information on ingredients

#### 3.1. Substances / Mixtures:

##### 3.1.1. Description of the mixture:

Filled modified polyesterpolyol.

##### 3.1.2. Hazardous ingredients:

Substance:	CAS No.:	EC No.:	Weight %:	Classification according to Regulation (EC) No 1272/2008
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##### 3.1.3. Additional information: Not known.

### 4. First-aid measures

#### 4.1. Description of first-aid measures:

**4.1.1. General information:** Remove contaminated clothing and footwear immediately and clean thoroughly before re-use.

**4.1.2. Following inhalation of aerosols or vapour (only possible by high temperatures):** Supply fresh air; consult a physician in case of symptoms.

**4.1.3. Following skin contact:** First wipe off thoroughly, then wash thoroughly with soap and water. Then carefully apply cream.

**4.1.4. Following eye contact:** Thoroughly rinse the eyes under flowing water for 15 minutes with the eyelids open. Then contact an ophthalmologist immediately.

**4.1.5. Following ingestion:** Avoid vomiting, rinse mouth, drink plenty of water and then consult a physician.

**4.2. Most important symptoms and effects, both acute and delayed:**  
No effects known.

**4.3. Indication of any immediate medical attention and special treatment needed:**  
No information available.

### 5. Firefighting measures

**5.1. Extinguishing media:** Dry powder, foam, CO<sub>2</sub>

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

**Hazard due to resulting gases:** Carbon dioxide, carbon monoxide and acrolein may be released in case of fire.

**5.3. Advice for fire-fighters:**  
**Special protective equipment:** Use appropriate protective equipment for fire fighting. Do not inhale fumes.

**5.4. Additional information:** Dispose of fire residues and contaminated extinguishing water according to local regulations. Do not allow to enter drains. Closed containers may burst if overheated. In case of fire in immediate vicinity: Spray containers, which are subject to heat with water and remove from danger area if possible.

**6. Accidental release measures**

- 6.1. Personal precautions, protective equipment and emergency procedures:**  
Ensure adequate ventilation. Avoid contact with the eyes and the skin. Use safety equipment.
- 6.2. Environmental precautions:**  
Do not allow to enter soil, drains, surface water or ground water.
- 6.3. Methods and materials for containment and cleaning up:**  
Prevent further escape or spillage.  
Absorb with suitable liquid-binding material (sand, diatomite, universal binders, wood flour).  
Absorb and place in appropriately labelled containers.  
Thoroughly clean contaminated objects and floors according to local environmental regulations.  
Dispose of according to local official regulations.
- Recommended cleaning agent:** Petrol, kerosene, thinner
- 6.4. Reference to other sections:** Refer to Section 8 for personal protective equipment.

**7. Handling and storage**

- 7.1. Precautions for safe handling:** General precautions for handling of chemicals have to be regarded. Avoid contact with eyes and skin.  
Provide ventilation. Keep away from heat and flame.  
Smoking, eating and drinking should be prohibited in the application area.
- 7.2. Conditions for safe storage, including any incompatibilities:**  
**Storage:** Store the containers/bags sealed tight in a cool, dry, well-ventilated place, separate from inflammable materials and foods and beverages until use. Prevent the access of air or oxygen.  
**Storage conditions:** Keep away from sources of ignition, heat and direct sunlight.  
**Storage temperature:** -20 to +40°C  
**Recommended storage temperature:** ~ +20°C  
**Storage class:** 10
- 7.3. Specific end uses:** Two-component sealing according to the technical data sheet and the instructions for use.

## 8. Exposure controls / personal protection

### 8.1. Control parameters:

**Maximum allowable concentration (MAC) of occurrence of breathable aerosols:**

Substance:	CAS No.:	Type:	Value:	Unit:
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### 8.2. Exposure controls:

**8.2.1. Technical protective measures:** Ensure adequate ventilation, especially in enclosed spaces.

**8.2.2. Personal protective equipment:** Usual rules when dealing with chemicals to keep in mind.

**Eye protection:** Tightly sealed goggles. Eye wash equipment should be available.

**Hand protection:** Disposable PE gloves, penetration time > 30 min.

**Body protection:** Wear normal protective clothing for handling chemicals.

**Respiratory protection:** Not required under suitable use. Recommended only when processing at high temperatures and insufficient ventilation.

**General protection and hygiene measures:** Respect normal rules of industrial hygiene. Do not eat, drink or smoke while working. Keep away from foods and beverages.

Thoroughly wash hands during breaks and after work. Avoid contact with the skin, eyes and clothing. Do not inhale vapours.

**8.2.3. Environmental exposure controls:** The mixture should not be allowed to enter drains, water courses or soil.

## 9. Physical and chemical properties

### 9.1. Information on basic physical and chemical properties:

#### 9.1.1. Appearance:

**Physical state:** liquid - low viscosity

**Colour:** beige

**Odour:** specific

#### 9.1.2. Safety relevant basic data:

**Melting point:** n.a.

**Boiling point:** n.d.

**Flash point:** > 120 °C

**Ignition temperature:** n.d.

**Lower explosion limit (Vol %):** n.a.

**Upper explosion limit (Vol %):** n.a.

**Vapour pressure (20°C):** n.d.

**I Density at 23°C (ISO 2811):** 1.5 g/cm<sup>3</sup>

**I Viscosity at 20°C (DIN 53019):** approx. 4.4 Pa·s

**Solubility in water:** very low

n.d.: Not determined

n.a.: Not applicable

**9.1.3. Physical hazards:** Not known.

**9.2. Other information:** None.

## 10. Stability and reactivity

- 10.1. Reactivity:** No hazardous reactions known under proper use.
- 10.2. Chemical stability:** Stable under the stated storage conditions.
- 10.3. Possibility of hazardous reactions:** No decomposition under proper storage and use.
- 10.4. Conditions to avoid:** Avoid extreme temperatures and direct exposure to sunlight as well as exposure to air and moisture for long periods.
- 10.5. Incompatible materials:** Oxidising agents.
- 10.6. Hazardous decomposition products:** No decomposition under proper storage and use.  
The following hazardous decomposition products may result in case of fire: Carbon dioxide, carbon monoxide, acrolein.

## 11. Toxicological information

- 11.1. Information on toxicological effects:**  
This mixture is not toxic according to present knowledge.
- Acute toxicity:**
- LD50 (oral, rat):** > 2000 mg/kg
- Experience human evidence:** No health effects are known, if the normal rules of industrial hygiene are respected.
- Skin:** The product may cause slight irritations after prolonged skin contact.
- Eyes:** The product may cause slight irritations by eye contact.
- Sensitization:** No effects known.
- 11.2. Other information:** According to our present knowledge no adverse health effects are to be expected if handled properly and for the intended use only.

## 12. Ecological information

- 12.1. Toxicity:**
- 12.1.1. Aquatic toxicity:**
- Acute/chronic aquatic toxicity:** No data is available on the mixture. No acute or chronic aquatic toxicity based on data of individual raw material components.
- 12.2. Persistence and degradability:**
- Biodegradation:** Not data available on the mixture.
- 12.3. Bio accumulative potential:** Not data available on the mixture.
- 12.4. Mobility in soil:** Not data available on the mixture.
- 12.5. Results of PBT and vPvB assessment:**  
The mixture is classified neither as persistent, bio accumulative, nor toxic (PBT), based on the assessment of the individual raw material components. The mixture is not considered to be very persistent or very bio accumulative (vPvB).
- 12.6. Other adverse effects:** No other effects known.

**13. Disposal considerations****13.1. Waste treatment methods:****Recommendation:** Dispose of according to local official regulations.**Obligation to produce proof:** Observe local regulations.**Residues/emptied****packaging (recommendation):** Mix residues with mating component and allow to cure.  
Dispose of empty containers via the local waste disposal system.**13.1.1. Product / Packaging disposal:****Waste codes / waste designations according to EWC (European Waste Catalogue)/AVV:**

The EWC disposal code cannot be stated for the mixture, as it is used in various industries.

A categorisation is only possible on the basis of the purpose of use by the consumer. The categorisation for the specific case must be obtained from the waste disposal company.

**14. Transport information****Land transport (ADR/RID/GGVSE):** No dangerous goods.**Transport on inland waterways (ADN/ADNR):** No dangerous goods.**Sea transport (IMDR code/GGVSee):** No dangerous goods.**Air transport (ICAO-IATA/DGR):** No dangerous goods.**14.1. UN No.:** None.**14.2. UN Proper shipping name:** None.**14.3. Transport hazard class:** None.**14.4. Packaging group:** None.**14.5. Environmental hazards:** None.**14.6. Special precautionary measures for the user:** No dangerous goods.**14.7. Bulk transport according to Annex II of the MARPOL Convention 73/78 and according to IBC code:** Not applicable.**15. Regulatory information****15.1. Safety, health and environmental regulations/legislations specific for the substance or mixture:****Classification and labelling according to Regulation (EC) No 1272/2008 [CLP]:**

The mixture is not subject to labelling in accordance with CLP Regulation No. 1272/2008/EC, according to the GHS criteria.

**Water hazard class (WHC):** 1 (slightly hazardous to water)  
(Germany)**15.2. Safety assessment of substance:**

A safety assessment (Chemical Safety Assessment) is not required for this mixture.

**16. Other information**

The information given in this Safety Data Sheet is correct to the best of our knowledge, experience and belief at the date of its publication. The information provided is designated only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as warranty or quality specification. The information relates only to the specific material and designated use and may not be valid for combinations with any other materials or in any process, unless specified in the text.



# GUROFLEX-N Component B - hardener

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## Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)

### 0. Information about the data sheet

Revision date: 19.02.2020

Supersedes edition: 01.06.2017

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

#### 1.1. Product identifier:

REACH Registration number: ---

Trade name: **GUROFLEX-N  
Component B -  
hardener**

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

Purpose of use: Cold applied two-component potting and casting

resin. Uses advised against: ---

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

Company: TE Connectivity Australia Pty Ltd Tel.: [+61 2 4389 6000](tel:+61243896000)

Address: TE Connectivity  
2/3 CORELLA CLOSE  
BERKELEY VALE, NSW, 2261

E-mail Support: [energy.au@te.com](mailto:energy.au@te.com)

#### 1.4. Emergency telephone number: Tel: 02 43896000 (8am – 5pm Mon-Fri)

24-hour emergency telephone number:

Tel: 02 43896000 (8am – 5pm Mon-Fri) / 0499880111 (After hours).

### 2. Hazards identification

#### 2.1. Classification of the substance or mixture:

Classification according to Regulation (EC) No. 1272/2008 [CLP]:

The mixture is not subject to labelling in accordance with CLP Regulation No. 1272/2008/EC, according to the GHS criteria.

#### 2.2. Label elements:

##### 2.2.1. Labelling according to Regulation (EC) No. 1272/2008 [CLP/GHS]:

None

#### 2.3. Other hazards:

Material causes no hazard under normal working conditions.

### 3. Composition / information on ingredients

#### 3.1. Substances / Mixtures:

**3.1.1. Description of the mixture:**  
Modified polybutadien.

#### 3.1.2. Hazardous ingredients:

Substance:	CAS No.:	EC No.:	Weight %:	Classification according to Regulation (EC) No 1272/2008
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**3.1.3. Additional information:** None.

### 4. First-aid measures

#### 4.1. Description of first-aid measures:

- 4.1.1. General information:** Remove contaminated clothing and footwear immediately and clean thoroughly before re-use.
- 4.1.2. Following inhalation of aerosols or vapour (only possible by high temperatures):** Supply fresh air; consult a physician in case of symptoms.
- 4.1.3. Following skin contact:** First wipe off thoroughly, then wash thoroughly with soap and water. Then carefully apply cream.
- 4.1.4. Following eye contact:** Thoroughly rinse the eyes under flowing water for 15 minutes with the eyelids open. Then contact an ophthalmologist immediately.
- 4.1.5. Following ingestion:** Avoid vomiting, rinse mouth, drink plenty of water and then consult a physician.
- 4.2. Most important symptoms and effects, both acute and delayed:** Ingestion may provoke nausea.
- 4.3. Indication of any immediate medical attention and special treatment needed:** No information available.

### 5. Firefighting measures

- 5.1. Extinguishing media:** Dry powder, foam, CO<sub>2</sub>
- 5.2. Special hazards arising from the substance or mixture:**  
**Hazard due to resulting gases:** Carbon dioxide, carbon monoxide and acrolein may be released in case of fire.
- 5.3. Advice for fire-fighters:**  
**Special protective equipment:** Use appropriate protective equipment for fire fighting. Do not inhale fumes.
- 5.4. Additional information:** Dispose of fire residues and contaminated extinguishing water according to local regulations. Do not allow to enter drains. Closed containers may burst if overheated. In case of fire in immediate vicinity: Spray containers, which are subject to heat with water and remove from danger area if possible.



**6. Accidental release measures**

- 6.1. Personal precautions, protective equipment and emergency procedures:** Ensure adequate ventilation. Use safety equipment. Avoid contact with the eyes and the skin.
- 6.2. Environmental precautions:** Do not allow to enter soil, drains, surface water or ground water.
- 6.3. Methods and materials for containment and cleaning up:** Prevent further escape or spillage. Absorb with suitable liquid-binding material (sand, diatomite, universal binders, wood flour). Absorb and place in appropriately labelled containers. Thoroughly clean contaminated objects and floors according to local environmental regulations. Dispose of according to local official regulations.
- Recommended cleaning agent:** Petrol, kerosene, thinner
- 6.4. Reference to other sections:** Refer to Section 8 for personal protective equipment.

**7. Handling and storage**

- 7.1. Precautions for safe handling:** General precautions for handling of chemicals have to be regarded. Provide ventilation. Avoid contact with the eyes and the skin. Keep away from heat and flame. Smoking, eating and drinking should be prohibited in the application area.
- 7.2. Conditions for safe storage, including any incompatibilities:**
- Storage:** Store the containers/bags sealed tight in a cool, dry, well-ventilated place, separate from inflammable materials and foods and beverages until use. Prevent the access of air or oxygen.
- Storage conditions:** Keep away from sources of ignition, heat and direct sunlight.
- Storage temperature:** -20 to +40°C
- Recommended storage temperature:** ~ +20°C
- Storage class:** 10
- 7.3. Specific end uses:** Two-component sealing according to the technical data sheet and the instructions for use.

## 8. Exposure controls / personal protection

### 8.1. Control parameters:

**Maximum allowable concentration (MAC) of occurrence of breathable aerosols:**

Substance:	CAS No.:	Type:	Value:	Unit:
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### 8.2. Exposure controls:

**8.2.1. Technical protective measures:** Ensure adequate ventilation, especially in enclosed spaces.

**8.2.2. Personal protective equipment:** Usual rules when dealing with chemicals to keep in mind.

**Eye protection:** Tightly sealed goggles. Eye wash equipment should be available.

**Hand protection:** Disposable PE gloves, penetration time > 30 min.

**Body protection:** Wear normal protective clothing for handling chemicals.

**Respiratory protection:** Not required under suitable use. Required only when processing at high temperatures and insufficient ventilation.

**General protection and hygiene measures:** Respect normal rules of industrial hygiene. Do not eat, drink or smoke while working. Keep away from foods and beverages. Thoroughly wash hands during breaks and after work. Avoid contact with the skin, eyes and clothing. Do not inhale vapours.

**8.2.3. Environmental exposure controls:** The mixture should not be allowed to enter drains, water courses or soil.

## 9. Physical and chemical properties

### 9.1. Information on basic physical and chemical properties:

#### 9.1.1. Appearance:

<b>Physical state:</b>	liquid
<b>Colour:</b>	green-transparent
<b>Odour:</b>	specific

#### 9.1.2. Safety relevant basic data:

<b>Melting point:</b>	n.d.
<b>Boiling point:</b>	n.d.
<b>Flash point:</b>	> 120°C (DGF C-IV 8)
<b>Ignition temperature:</b>	n.d.
<b>Lower explosion limit (Vol %):</b>	n.a.
<b>Upper explosion limit (Vol %):</b>	n.a.
<b>Vapour pressure (20°C):</b>	n.d.
<b>I Density at 23°C (ISO 2811):</b>	0.97 g/cm <sup>3</sup>
<b>I Viscosity at 20°C (DIN 53019):</b>	approx. 4.8 Pa·s
<b>Solubility in water:</b>	very low

n.d.: Not determined

n.a.: Not applicable

**9.1.3. Physical hazards:** Not known.

**9.2. Other information:** None.

**10. Stability and reactivity**

- 10.1. Reactivity:** No hazardous reactions known under proper use.
- 10.2. Chemical stability:** Stable under the stated storage conditions.
- 10.3. Possibility of hazardous reactions:** No decomposition under proper storage and use.
- 10.4. Conditions to avoid:** Avoid extreme temperatures and direct exposure to sunlight as well as exposure to air and moisture for long periods.
- 10.5. Incompatible materials:** Oxidising agents.
- 10.6. Hazardous decomposition products:** No decomposition under proper storage and use. The following hazardous decomposition products may result in case of fire: Carbon dioxide, carbon monoxide, acrolein.

**11. Toxicological information**

- 11.1. Information on toxicological effects:** This mixture is not toxic according to present knowledge.
- Acute toxicity:**
- Experience human evidence:** No health effects are known, if the normal rules of industrial hygiene are respected.
- Skin:** No irritating effects are known.
- Eyes:** No irritating effects are known.
- Sensitization:** No effects are known.
- 11.2. Other information:** According to our present knowledge no adverse health effects are to be expected if handled properly and for the intended use only.

**12. Ecological information**

- 12.1. Toxicity:**
- 12.1.1. Aquatic toxicity:**
- Acute/chronic aquatic toxicity:** No data is available on the mixture. No acute or chronic aquatic toxicity based on data of individual raw material components.
- 12.2. Persistence and degradability:**
- Biodegradation:** Not data available on the mixture.
- 12.3. Bio accumulative potential:** Not data available on the mixture.
- 12.4. Mobility in soil:** Not data available on the mixture.
- 12.5. Results of PBT and vPvB assessment:** The mixture is classified neither as persistent, bio accumulative, nor toxic (PBT), based on the assessment of the individual raw material components. The mixture is not considered to be very persistent or very bio accumulative (vPvB).
- 12.6. Other adverse effects:** No other effects are known.

**13. Disposal considerations****13.1. Waste treatment methods:****Recommendation:** Dispose of according to local official regulations.**Obligation to produce proof:** Observe local regulations.**Residues/emptied****packaging (recommendation):** Mix residues with mating component and allow to cure.

Dispose of empty containers via the local waste disposal system.

**13.1.1. Product / Packaging disposal:****Waste codes / waste designations according to EWC (European Waste Catalogue)/AVV:**

The EWC disposal code cannot be stated for the mixture, as it is used in various industries.

A categorisation is only possible on the basis of the purpose of use by the consumer. The categorisation for the specific case must be obtained from the waste disposal company.

**14. Transport information****Land transport (ADR/RID/GGVSE):**

No dangerous goods.

**Transport on inland waterways (ADN/ADNR):**

No dangerous goods.

**Sea transport (IMDR code/GGVSee):**

No dangerous goods.

**Air transport (ICAO-IATA/DGR):**

No dangerous goods.

**14.1. UN No.:**

None.

**14.2. UN Proper shipping name:**

None.

**14.3. Transport hazard class:**

None.

**14.4. Packaging group:**

None.

**14.5. Environmental hazards:**

None.

**14.6. Special precautionary measures for the user:** No dangerous goods.**14.7. Bulk transport according to Annex II of the MARPOL Convention 73/78 and according to IBC code:** Not applicable.**15. Regulatory information****15.1. Safety, health and environmental regulations/legislations specific for the substance or mixture:****Classification and labelling according to Regulation (EC) No 1272/2008 [CLP]:**

The mixture is not subject to labelling in accordance with CLP Regulation No. 1272/2008/EC, according to the GHS criteria.

**Water hazard class (WHC):** 1 (slightly hazardous to water)  
(Germany)**15.2. Safety assessment of substance:**

A safety assessment (Chemical Safety Assessment) is not required for this mixture.

**16. Other information**

The information given in this Safety Data Sheet is correct to the best of our knowledge, experience and belief at the date of its publication. The information provided is designated only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as warranty or quality specification. The information relates only to the specific material and designated use and may not be valid for combinations with any other materials or in any process, unless specified in the text.