

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)**0. Information about the data sheet**

Revision date: 02.11.2015
Supersedes edition: 18.02.2013

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

- 1.1. Product identifier:**
REACH Registration number: ---
Trade name: **GURO Plastic Sealing**
- 1.2. Relevant identified uses of the substance or mixture and uses advised against:**
Purpose of use: Insulating and sealing material.
Uses advised against: ---
- 1.3. Details of supplier of the safety data sheet:**
Company: Tyco Electronics Raychem GmbH Tel.: +49 6151 607 1999
Address: Tyco Electronics Raychem GmbH
A company of TE Connectivity Group
Finsinger Feld 1
85521 Ottobrunn/München
Germany: E-mail Support: www.te.com/support-center
- 1.4. Emergency telephone number:**
24-hour emergency telephone number: Giftnotruf Berlin (poison control centre)
Tel.: +49 (0) 30-19240

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:
Material based on Polyisobuten.
- 3.1.2. Hazardous ingredients:**
- | Substance: | CAS No.: | EC No.: | Weight %: | Classification according to Regulation (EC) No 1272/2008 |
|------------|----------|---------|-----------|--|
| --- | --- | --- | --- | --- |
- 3.1.3. Additional information:** Not known.

4. First-aid measures
4.1. Description of first-aid measures:
4.1.1. General information:

No special measures necessary.

4.1.2. Following inhalation of aerosols or vapour (only possible by high temperatures):

If used correctly there are no fumes.

In case of fire see section 5 below.

4.1.3. Following skin contact:

Wash 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, CO₂
5.2. Special hazards arising from the substance or mixture:
Hazard due to resulting gases:

Carbon dioxide and carbon monoxide 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 combustion gas.

5.4. Additional information:

Dispose of fire residues and contaminated extinguishing water according to local regulations. Do not allow to enter drains.

6. Accidental release measures
6.1. Personal precautions, protective equipment and emergency procedures:

General precautions for handling of chemicals have to be regarded.

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:

Mechanical removal.

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.

7.2. Conditions for safe storage, including any incompatibilities:
Storage:

Store in a cool, dry and well-ventilated place. Store away from foods and beverages.

Storage class:

13

7.3. Specific end uses:

GURO plastic sealing is used for moisture-proof insulation and sealing purposes in electrical installations.

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.

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.

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. Physical state:	Appearance:
Colour:	solid, plastic
Odour:	grey
	barely smelling, specific

9.1.2. Safety relevant basic data:

Melting point:	n.a..
Boiling point:	n.d.
Flash point:	n.d.
Ignition temperature:	n.d.
Lower explosion limit (Vol %):	n.a.
Upper explosion limit (Vol %):	n.a.
Vapour pressure (20°C):	n.d.
Density at 23°C (EN ISO 1183-1):	1.6 – 1.8 g/cm ³
Viscosity at 20°C (DIN 53019):	n.d.
Solubility in water:	insoluble

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:** Not known.
- 10.5. Incompatible materials:** Not known.
- 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.

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:** No effects known.
- Eyes:** No effects known.
- 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):** 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.