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

## Section 0: Data sheet Information

**Revision date:** 25.07.2023 Version: 2
**Supersedes edition:** 13.07.2021 according VO (EU) 2020/878

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

**1.1. Product identifier:**

**Trade name:** **GURONIC B5N0-0/ B5N0 Component A - resin**

**Chemical name:** Filled modified hydrocarbon resin.
**REACH Registration number:** ---
**UFI:** ---

**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:** **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 30686 700**

## Section 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]:** No H-statements.
**Additional labelling: ---**

**2.3. Other hazards:**
Material causes no hazard under normal working conditions.
This mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher. This mixture has no endocrine disrupting properties and contains no nanoforms.

## Section 3: Composition / information on ingredients

**3.2. Mixtures:**

**3.2.1. Description of the mixture:**
Filled modified hydrocarbon resin.

**3.2.2. Hazardous ingredients:**

| Substance: | CAS No.: | EC No.: | Weight %: | Classification according to Regulation (EC) No 1272/2008 |
|---|---|---|---|---|
| --- | --- | --- | --- | ---- |

**3.2.3. Additional information:** Not known.

## Section 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 are known.

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

## Section 5: Firefighting measures

**5.1. Extinguishing media:** Dry powder, foam, $CO_2$

**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. 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.

## Section 6: Accidental release measures

**6.1. Personal precautions, protective equipment and emergency procedures:**
General precautions for handling of chemicals have to be regarded. Avoid contact with the eyes and the skin. Ensure adequate ventilation.

**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.

**6.4. Reference to other sections:** Refer to Section 8 for personal protective equipment.

## Section 7: Handling and storage

**7.1. Precautions for safe handling:**

**7.1.1. General protective measures:** Personal protection equipment, see section 8. General precautions for the handling of chemicals must be observed. Avoid contact with eyes and skin. Provide ventilation.

**7.1.2. General hygiene measures at the workplace:**
You should neither eat, drink nor smoke in the workplace. Hands and any exposed skin should be washed thoroughly after use. Contaminated clothing and equipment should be removed before entering any eating area.

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

**Storage:** Store containers/bags sealed tight in a cool, dry, well-ventilated place. Store away from foods and beverages. Prevent access of air, oxygen and moisture.

**Storage conditions:** Keep away from sources of ignition, heat and direct sunlight.

**Storage temperature:** -20 °**C** to +40 °C

**Recommended storage temperature:** +20 °C

**Storage class:** 10

**Advice on common storage:** For information on incompatible materials, see Section 10.

**7.3. Specific end uses:** Two-component sealing according to technical data sheet and instructions for use.

## Section 8: Exposure controls / personal protection

**8.1. Control parameters:**

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

| Substance: | CAS No.: | Type: | Value: | Unit: |
|---|---|---|---|---|
| --- | --- | --- | --- | --- |

**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.

## Section 9: Physical and chemical properties

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

**9.1.1. Appearance:**

| | |
|---|---|
| **Physical state:** | liquid - medium viscosity |
| **Colour:** | beige |
| **Odour:** | specific |

**9.1.2. Safety relevant basic data:**

| | |
|---|---|
| **Melting point/freezing point:** | No data is available on the product itself. |
| **Boiling point:** | No data is available on the product itself. |
| **Flammability:** | No data is available on the product itself. |
| **Lower explosion limit (Vol %):** | Not applicable. |
| **Upper explosion limit (Vol %):** | Not applicable. |
| **Flash point:** | 200 °C (closed up method, ISO 2719) |
| **Ignition temperature:** | > 330 °C (Lowest value of the individual components.) |
| **Decomposition temperature** | No data is available on the product itself. |
| **pH** | Not applicable. Not an aqueous solution. |
| **Kinematic viscosity:** | 27100 mm²/s (calculated) |
| **Viscosity at 20°C (DIN 53019):** | approx. 38 Pa·s |
| **Solubility in water:** | very low |
| **Partition coefficient n-octanol/water (log value):** | No data is available on the product itself. |
| **Vapour pressure (20°C):** | No data is available on the product itself. |
| **Density at 23°C (ISO 2811):** | 1.40 g/cm³ |
| **Relative vapour density:** | No data is available on the product itself. |
| **Particle characterstics:** | Not applicable, applies to solids. |

**9.2. Other information**: None

**9.2.1. Information with regard to physical hazard classes:** Unknown.

**9.2.2. Other safety characteristics:** Unknown.

## Section 10: Stability and reactivity

**10.1. Reactivity:** No hazardous reactions known under proper storage and 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:** Prevent entry of air / oxygen and moisture.

**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.

## Section 11: Toxicological information

**11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008:**

**11.1.1. Acute toxicity:**

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. |
| **11.1.2. Skin corrosion/skin irritation:** | No effects are known. (*) |
| **11.1.3. Serious eye damage/irritation:** | The product may cause slight irritations on contact with the eyes. (*) |
| **11.1.4. Respiratory or skin sensitisation:** | No effects are known. (*) |
| **11.1.5. Germ cell mutagenicity:** | No effects are known. (*) |
| **11.1.6. Carcinogenicity:** | No effects are known. (*) |
| **11.1.7. Reproductive toxicity:** | No effects are known. (*) |
| **11.1.8. Specific target organ toxicity (single exposure):** | No effects are known. (*) |
| **11.1.9. Specific target organ toxicity (repeated exposure):** | No effects are known. (*) |
| **11.1.10. Aspiration hazard:** | No effects are known. (*) |
| **11.2. Information on other hazards:** | Not available. |
| **11.2.1. Endocrine disrupting properties:** | Not known. |
| **11.2.2. Other information:** | According to our present knowledge no adverse health effects are to be expected if handled properly and for the intended use only. |

(*): Not classified, based on the data of the individual raw material components.

## Section 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. Endocrine disrupting properties:** | Based on the data of the individual raw material components no effects are known. |
| **12.7. Other adverse effects:** | Based on the data of the individual raw material components no other effects are known. The mixture does not contain any components which can contribute to the depletion of the ozone layer. |

## Section 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.

## Section 14: Transport information

| | |
|---|---|
| **Land transport (ADR/RID/GGVSEB):** | No dangerous goods. |
| **Transport on inland waterways (ADN):** | No dangerous goods. |
| **Sea transport (IMDR code/GGVSee):** | No dangerous goods. |
| **Air transport (ICAO-TI/IATA-DGR):** | No dangerous goods. |
| **14.1. UN number or ID number:** | 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 precautions for use:** | See section 6 - 8. |
| **14.7. Maritime transport in bulk according to IMO instruments:** | Not applicable. |

## Section 15: Regulatory information

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

**15.1.1. EU regulations:**

**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.

**15.1.2. National Regulations (Germany):**

**Water hazard class (WHC):** 2 (clearly hazardous to water, categorisation according AwSV) **(Germany)**

**15.2. Safety assessment of substance:**

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

## Section 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.