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

1.1 Product identifier
   Trade name: myCustom Resin
   Article number: 6811

1.2 Relevant identified uses of the substance or mixture and uses advised against
   No further relevant information available.
   Application of the substance / the mixture see point 3

1.3 Details of the supplier of the safety data sheet
   Manufacturer/Supplier: Polydentia SA
   Via Cantonale 47
   6805 Mezzovico-Vira (Switzerland)
   Phone: 0041 (0) 91 946 29 48
   Fax: 0041 (0) 91 946 32 03
   Email: info@polydentia.com

1.4 Emergency telephone number:
   +41 (0) 91 946 29 48

SECTION 2: Hazards identification

   - 2.1 Classification of the substance or mixture
     - Classification according to Regulation (EC) No 1272/2008
       S61: May cause an allergic skin reaction.

   - 2.2 Label elements
     - Labelling according to Regulation (EC) No 1272/2008
       The product is classified and labelled according to the CLP regulation.

   - 2.3 Hazard pictograms

   GHS07

   - Signal word Warning

   - Hazard-determining components of labelling: tetramethylene dimethacrylate

   - Hazard statements
     - H317 May cause an allergic skin reaction.

   - Precautionary statements
     - P261 Avoid breathing dust/fume/gas/mist/vapours/spray
     - P280 Wear protective gloves/protective clothing/eye protection/face protection
     - P337 Specific treatment (see on this label).
     - P363 Wash contaminated clothing before reuse
     - P335+P313 If skin irritation or rash occurs, get medical advice/attention
     - P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

   - Labelling of packages where the contents do not exceed 125 ml

   - Hazard pictograms

   GHS07

   - Signal word Warning

   - Hazard-determining components of labelling: tetramethylene dimethacrylate

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(Contd. of page 1)

- Hazard statements
  H317 May cause an allergic skin reaction.

- Precautionary statements
  P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P332 Specific treatment (see on this label).
P363 Wash contaminated clothing before reuse.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- 2.3 Other hazards
  - Results of PBT and vPvB assessment
    - PBT: Not applicable.
    - vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

- 3.2 Chemical characterisation: Mixtures
  - Description:
    Light curing material based on urethane dimethacrylate

- Dangerous components:
  - CAS: 2082-81-7
  - EINECS: 218-218-1
  - Tetramethylene dimethacrylate
  - Skin Sens. 1B, H317
  - Additional information For the wording of the listed risk phrases refer to section 16.

SECTION 4: First aid measures

- 4.1 Description of first aid measures
  - General information No special measures required.
  - After Inhaling: Supply fresh air; consult doctor in case of complaints.
  - After skin contact
    Immediately wash with water and soap and rinse thoroughly.
    If skin irritation continues, consult a doctor.
  - After eye contact
    Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
  - After swallowing: Drink plenty of water and provide fresh air. Call for a doctor immediately.

- 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.

- 4.3 Indication of any immediate medical attention and special treatment needed
  No further relevant information available.

SECTION 5: Firefighting measures

- 5.1 Extinguishing media
  - Suitable extinguishing agents
    Foam
    Fire-extinguishing powder
    Water hose
    Carbon dioxide

  - For safety reasons unsuitable extinguishing agents: Water with full jet.

- 5.2 Special hazards arising from the substance or mixture No further relevant information available.

- 5.3 Advice for firefighters
  - Protective equipment: No special measures required.

(Contd. on page 3)
SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures Not required.
- 6.2 Environmental precautions: Do not allow to enter sewers/surface or ground water.
- 6.3 Methods and material for containment and cleaning up:
  Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
  Dispose contaminated material as waste according to item 13.
  Ensure adequate ventilation.
- 6.4 Reference to other sections
  No dangerous substances are released.
  See Section 7 for information on safe handling.
  See Section 8 for information on personal protection equipment.
  See Section 13 for disposal information.

SECTION 7: Handling and storage

- 7.1 Precautions for safe handling
  Keep receptacles tightly sealed.
  Keep away from heat and direct sunlight.
  Information about fire - and explosion protection: No special measures required.
- 7.2 Conditions for safe storage, including any incompatibilities
- 7.3 Specific end use(s)
  Storage
  Requirements to be met by storerooms and receptacles:
  Close container immediately after use and protect product from light incidence.
  Store between 10 °C and 23 °C.
  Information about storage in one common storage facility: Store away from foodstuffs.
- Further information about storage conditions: None.
- 7.4 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

- Additional information about design of technical facilities: No further data; see item 7.
- 8.1 Control parameters
- Ingredients with limit values that require monitoring at the workplace:
  The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- Additional information: The list of valid during the making were used as basis.
- 8.2 Exposure controls
- Personal protective equipment
  General protective and hygienic measures
  The usual precautionary measures are to be adhered to when handling chemicals.
  Respiratory protection: Not required.
- Protection of hands: Solvent resistant gloves
- Material of gloves: Butyl rubber, BR
- Penetration time of glove material
  0.1 - 0.2 mm
  Penetration time: 5 min.
- Eye protection: Goggles recommended during refilling.

(Contd. on page 4)
### SECTION 9: Physical and chemical properties

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

- **General Information**
  - **Appearance:** Pasty
  - **Colour:** Blue
  - **Odour:** Weak, characteristic
  - **Odour threshold:** Not determined
  - **pH-value:** Not determined

- **Change in condition**
  - **Melting point/Melting range:** undetermined
  - **Boiling point/Boiling range:** 178 °C

- **Flash point:** 91 °C

- **Flammability (solid, gaseous):** Not applicable

- **Ignition temperature:**

- **Decomposition temperature:** Not determined

- **Self-igniting:** Product is not self-igniting.

- **Danger of explosion:** Product does not present an explosion hazard.

- **Explosion limits:**
  - **Lower:** Not determined
  - **Upper:** Not determined

- **Vapour pressure:** Not determined

- **Density at 20 °C:** 1.28 g/cm³
  - **Relative density:** Not determined.
  - **Vapour density:** Not determined.
  - **Evaporation rate:** Not determined.

- **Solubility in / Miscibility with**
  - **Water:** Not miscible or difficult to mix

- **Partition coefficient (n-octanol/water):** Not determined

- **Viscosity:**
  - **Dynamic:** Not determined
  - **Kinematic:** Not determined

- **Solvent content:**
  - **Organic solvents:** 0.9 %
  - **9.2 Other Information**
  - No further relevant information available.

### SECTION 10: Stability and reactivity

- **10.1 Reactivity**
  - No further relevant information available.

- **10.2 Chemical stability**

- **Thermal decomposition / conditions to be avoided:**
  - No decomposition if used according to specifications.

- **10.3 Possibility of hazardous reactions**
  - **Photoreactive**
  - **Exothermic polymerization**

- **10.4 Conditions to avoid:**

- **10.5 Incompatible materials:**
  - In presence of radical formers (e.g., peroxides), deoxygenizing substances, and/or heavy metal ions, polymerization with heat release is possible.

(Contd. on page 5)
SECTION 11: Toxicological information

- 11.1 Information on toxicological effects
  - Acute toxicity: Based on available data, the classification criteria are not met.
  - LD/LC50 values relevant for classification:
    - Tetramethylene dimethacrylate: LD50 oral > 5000 mg/kg (rat)
  - Primary irritant effect:
    - Skin corrosion/irritation: Based on available data, the classification criteria are not met.
    - Serious eye damage/irritation: Based on available data, the classification criteria are not met.
  - Respiratory or skin sensitisation
    - May cause an allergic skin reaction.
  - CMR effects (carcinogenicity, mutagenic and toxicity for reproduction)
  - Germ cell mutagenicity: Based on available data, the classification criteria are not met.
  - Carcinogenicity: Based on available data, the classification criteria are not met.
  - Reproductive toxicity: Based on available data, the classification criteria are not met.
  - STOT: Single exposure Based on available data, the classification criteria are not met.
  - STOT: Repeated exposure Based on available data, the classification criteria are not met.
  - Aspiration hazard: Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- 12.1 Toxicity
  - Aquatic toxicity: No further relevant information available.
- 12.2 Persistence and degradability: No further relevant information available.
- 12.3 Bioaccumulative potential: No further relevant information available.
- 12.4 Mobility in soil: No further relevant information available.
- Additional ecological information:
  - General notes:
    - Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.
    - Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- 12.5 Results of PBT and vPvB assessment
  - PBT: Not applicable
  - vPvB: Not applicable
- 12.6 Other adverse effects: No further relevant information available.

SECTION 13: Disposal considerations

- 13.1 Waste treatment methods
  - Recommendation:
    - Must be specially treated adhering to official regulations.
    - Must not be disposed together with household garbage. Do not allow product to reach sewage system.
    - European waste catalogue
      - 08 04 10: waste adhesives and sealants other than those mentioned in 08 04 09
- Uncleaned packaging:
  - Recommendation:
    - Packagings that may not be cleansed are to be disposed of in the same manner as the product.
    - Recommended cleansing agents: Alcohol

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SECTION 14: Transport information

- 14.1 UN-Number
  - ADR, ADN, IMDG, IATA: Void

- 14.2 UN proper shipping name
  - ADR, ADN, IMDG, IATA: Void

- 14.3 Transport hazard class(es)
  - ADR, ADN, IMDG, IATA: Void

- 14.4 Packing group
  - ADR, IMDG, IATA: Void

- 14.5 Environmental hazards:
  - Marine pollutant: No

- 14.6 Special precautions for user
  - Not applicable

- 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code
  - Not applicable

- UN "Model Regulation": Void

SECTION 15: Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
  - Directive 2012/18/EU
  - Named dangerous substances - ANNEX I None of the ingredients is listed.
  - National regulations

- Technical instructions (air):
  - Class
  - Share in %
  - III 2.5-10

- Water hazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water
- 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- Relevant phrases
  - H317 May cause an allergic skin reaction.

- Abbreviations and acronyms:
  - RID: Reglement International concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
  - ICAO: International Civil Aviation Organization
  - ADR: Accord européen sur le transport des marchandises dangereuses par route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
  - IMDG: International Maritime Code for Dangerous Goods
  - IATA: International Air Transport Association
  - GHS: Globally Harmonised System of Classification and Labelling of Chemicals
  - EINECS: European Inventory of Existing Commercial Chemical Substances
  - ELINCS: European List of Notified Chemical Substances
  - CAS: Chemical Abstracts Service (division of the American Chemical Society)
  - LC50: Lethal concentration, 50 percent
  - LD50: Lethal dose, 50 percent

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Department  Issuing SDS:  R&D Polydentia SA

Contact:  Ing. A. Rossi