

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*
- *Skin Sens. 1 H317 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.*
- *Hazard pictograms*



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- *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.*
- *P321 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.*
- *Labelling of packages where the contents do not exceed 125 ml*
- *Hazard pictograms*



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- *Signal word Warning*
- *Hazard-determining components of labelling:*
- *tetramethylene dimethacrylate*

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- **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.
P321 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	tetramethylene dimethacrylate	⚠ Skin Sens. 1B, H317	2,5-10%
EINECS: 218-218-1			

- **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 inhalation** 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 haze
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.*

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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**
- **Storage**
- **Requirements to be met by storerooms and receptacles:**
*Close container immediately after use and protect product from light incidence.
Storage between 10 °C and 25 °C.*
- **Information about storage in one common storage facility:** *Store away from foodstuffs.*
- **Further information about storage conditions:** *None.*
- **7.3 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 lists 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.*

SECTION 9: Physical and chemical properties

<i>- 9.1 Information on basic physical and chemical properties</i>	
<i>- General Information</i>	
<i>- Appearance:</i>	
<i>Form:</i>	<i>Pasty</i>
<i>Colour:</i>	<i>Blue</i>
<i>- Odour:</i>	<i>Weak, characteristic</i>
<i>- Odour threshold:</i>	<i>Not determined.</i>
<i>- pH-value:</i>	<i>Not determined.</i>
<i>- Change in condition</i>	
<i>Melting point/Melting range:</i>	<i>undetermined</i>
<i>Boiling point/Boiling range:</i>	<i>178 °C</i>
<i>- Flash point:</i>	<i>91 °C</i>
<i>- Flammability (solid, gaseous)</i>	<i>Not applicable.</i>
<i>- Ignition temperature:</i>	
<i>Decomposition temperature:</i>	<i>Not determined.</i>
<i>- Self-igniting:</i>	<i>Product is not selfigniting.</i>
<i>- Danger of explosion:</i>	<i>Product does not present an explosion hazard.</i>
<i>- Explosion limits:</i>	
<i>Lower:</i>	<i>Not determined.</i>
<i>Upper:</i>	<i>Not determined.</i>
<i>- Vapour pressure:</i>	<i>Not determined.</i>
<i>- Density at 20 °C:</i>	<i>1.28 g/cm³</i>
<i>- Relative density</i>	<i>Not determined.</i>
<i>- Vapour density</i>	<i>Not determined.</i>
<i>- Evaporation rate</i>	<i>Not determined.</i>
<i>- Solubility in / Miscibility with</i>	
<i>Water:</i>	<i>Not miscible or difficult to mix</i>
<i>- Partition coefficient (n-octanol/water): Not determined.</i>	
<i>- Viscosity:</i>	
<i>dynamic:</i>	<i>Not determined.</i>
<i>kinematic:</i>	<i>Not determined.</i>
<i>- Solvent content:</i>	
<i>Organic solvents:</i>	<i>0,0 %</i>
<i>- 9.2 Other information</i>	<i>No further relevant information available.</i>

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 No further relevant information available.*
- 10.5 Incompatible materials:*
- In presence of radical formers (e. g. peroxides), deoxidizing substances, and/or heavy metal ions, polymerization with heat release is possible.*

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· 10.6 Hazardous decomposition products: No dangerous decomposition products known

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 LD-50 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, mutagenicity 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
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- 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 - Class	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 |
- Waterhazard 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: Règlement 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 Organisation
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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PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Skin Sens. 1: Sensitisation - Skin, Hazard Category 1
Skin Sens. 1B: Sensitisation - Skin, Hazard Category 1B

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