



**Safety Data Sheet  
according to WHS Regulations**

Printing date 10.02.2018

Version number 3

Revision: 10.02.2018

Hazardous according to criteria of Australian Safety and Compensation Council.

## 1 Identification

### · Product identifier

- Trade name: **Signum Composite flow**
- Relevant identified uses of the substance or mixture and uses advised against  
No further relevant information available.
  - Application of the substance / the mixture Veneering resin

### · Details of the supplier of the safety data sheet

#### · Manufacturer/Supplier:

Heraeus Kulzer Australia Pty Ltd  
Unit 32  
11 – 21 Underwood Rd  
HOMEBUSH NSW 2140  
Australia

Tel: +61 (0) 2 9764 5222

- Informing department: see above
- Emergency telephone number: Emergency contact number: 13 11 26 (24 hours)

## 2 Hazard(s) Identification

- Classification of the substance or mixture  
The product is not classified according to the Globally Harmonised System (GHS).
- Label elements
  - GHS label elements Void
  - Hazard pictograms Void
  - Signal word Void
  - Hazard statements Void
  - Precautionary statements  
Avoid breathing dust/fume/gas/mist/vapours/spray.  
Contaminated work clothing should not be allowed out of the workplace.  
Avoid release to the environment.  
Wear protective gloves/protective clothing/eye protection/face protection.
- Other hazards -
  - Results of PBT and vPvB assessment
    - PBT: Not applicable.
    - vPvB: Not applicable.

## 3 Composition and Information on Ingredients

- Chemical characterisation: Mixtures
- Description: -
- Dangerous components: Void
- Additional information For the wording of the listed hazard phrases refer to section 16.

## 4 First Aid Measures

- Description of first aid measures
  - After inhalation Supply fresh air; consult doctor in case of symptoms.
  - After skin contact  
Instantly 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. Then consult doctor.

(Contd. on page 2)



**Safety Data Sheet  
according to WHS Regulations**

Printing date 10.02.2018

Version number 3

Revision: 10.02.2018

**Trade name: Signum Composite flow**

(Contd. of page 1)

- **After swallowing**  
*Rinse out mouth and then drink plenty of water.  
In case of persistent symptoms consult doctor.*
- **Information for doctor**
  - **Most important symptoms and effects, both acute and delayed**  
*No further relevant information available.*
  - **Indication of any immediate medical attention and special treatment needed**  
*No further relevant information available.*

### 5 Fire Fighting Measures

- **Extinguishing media**
  - **Suitable extinguishing agents**  
*CO2, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.  
Use fire fighting measures that suit the environment.*
- **Special hazards arising from the substance or mixture** *No further relevant information available.*
- **Advice for firefighters**
  - **Protective equipment:** *No special measures required.*
- **Additional information** -

### 6 Accidental Release Measures

- **Personal precautions, protective equipment and emergency procedures**  
*Wear protective clothing.*
- **Environmental precautions:**  
*Do not allow product to reach sewage system or water bodies.  
Do not allow to enter the ground/soil.*
- **Methods and material for containment and cleaning up:**  
*Absorb with liquid-binding material (diatomite, universal binders, for small amounts tissues).  
Send for recovery or disposal in suitable containers.*
- **Reference to other sections**  
*See Section 7 for information on safe handling  
See Section 8 for information on personal protection equipment.  
See Section 13 for information on disposal.*
- 

### 7 Handling and Storage

- **Handling**
  - **Precautions for safe handling**  
*Please observe the additional instructions in the product's instructions for use.  
Wear protective equipment. Keep unprotected persons away.*
  - **Information about protection against explosions and fires:** *No special measures required.*
- **Conditions for safe storage, including any incompatibilities**
  - **Storage**
    - **Requirements to be met by storerooms and containers:** *No special requirements.*
    - **Information about storage in one common storage facility:** *Not required.*
    - **Further information about storage conditions:** *None.*
- **Specific end use(s)** *No further relevant information available.*

AUS

(Contd. on page 3)



**Safety Data Sheet**  
according to WHS Regulations

Printing date 10.02.2018

Version number 3

Revision: 10.02.2018

**Trade name: Signum Composite flow**

(Contd. of page 2)

### 8 Exposure controls and personal protection

· **Control parameters**

· **Components with critical 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.

· **DNELs**

**109-16-0 triethylen glycol dimethacrylate**

|            |                               |                             |
|------------|-------------------------------|-----------------------------|
| Dermal     | worker industr., l.te., syst. | 13.9 mg/Kg/d (nd)           |
| Inhalative | worker industr., l.te., syst. | 48.5 mg/m <sup>3</sup> (nd) |

· **PNECs**

**109-16-0 triethylen glycol dimethacrylate**

|                      |                  |
|----------------------|------------------|
| marine water         | 0.0164 mg/l (nd) |
| sedim., dw, fre.wat. | 1.85 mg/Kg (nd)  |
| sedim., dw, mar.wat. | 0.185 mg/Kg (nd) |
| soil,dw              | 0.274 mg/Kg (nd) |

· **Additional information:** The lists that were valid during the compilation were used as basis.

· **Exposure controls**

· **Personal protective equipment**

· **General protective and hygienic measures**

Wash hands during breaks and at the end of the work.

· **Breathing equipment:** Not required.

· **Protection of hands:**

Check protective gloves prior to each use for their proper condition.  
recommended

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable:**

Butyl rubber, BR  
Nitrile rubber, NBR

· **Eye protection:** Safety glasses

· **Body protection:** Light weight protective clothing

### 9 Physical and Chemical Properties

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

· **General Information**

· **Appearance:**

· **Form:** Fluid

· **Colour:** Cream coloured

· **Smell:** Odourless

· **Odour threshold:** Not determined.

(Contd. on page 4)



**Safety Data Sheet**  
**according to WHS Regulations**

Printing date 10.02.2018

Version number 3

Revision: 10.02.2018

**Trade name: Signum Composite flow**

(Contd. of page 3)

|   |  |
|---|--|
| · <b>pH-value:</b>                                | Not determined.                            |
| · <b>Change in condition</b>                      |  |
| · <b>Melting point/freezing point:</b>            | Not determined                             |
| · <b>Initial boiling point and boiling range:</b> | 255 °C                                     |
| · <b>Flash point:</b>                             | 101 °C                                     |
| · <b>Inflammability (solid, gaseous)</b>          | Not applicable.                            |
| · <b>Ignition temperature:</b>                    |  |
| · <b>Decomposition temperature:</b>               | Not determined.                            |
| · <b>Self-inflammability:</b>                     | Product is not selfigniting.               |
| · <b>Explosive properties:</b>                    | Product is not explosive.                  |
| · <b>Critical values for explosion:</b>           |  |
| · <b>Lower:</b>                                   | Not determined.                            |
| · <b>Upper:</b>                                   | Not determined.                            |
| · <b>Steam pressure:</b>                          | Not determined.                            |
| · <b>Density</b>                                  | Not determined                             |
| · <b>Relative density</b>                         | Not determined.                            |
| · <b>Vapour density</b>                           | Not determined.                            |
| · <b>Evaporation rate</b>                         | Not determined.                            |
| · <b>Solubility in / Miscibility with</b>         |  |
| · <b>Water:</b>                                   | Not miscible or difficult to mix           |
| · <b>Partition coefficient: n-octanol/water:</b>  | Not determined.                            |
| · <b>Viscosity:</b>                               |  |
| · <b>dynamic:</b>                                 | Not determined.                            |
| · <b>kinematic:</b>                               | Not determined.                            |
| · <b>Solvent content:</b>                         |  |
| · <b>Water:</b>                                   | 1,3 %                                      |
| · <b>Solids content:</b>                          | 9,6 %                                      |
| · <b>Other information</b>                        | No further relevant information available. |

### 10 Stability and Reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
  - **Conditions to be avoided:** No decomposition if used and stored according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** None
- **Additional information:** -

AUS

(Contd. on page 5)



**Safety Data Sheet  
according to WHS Regulations**

Printing date 10.02.2018

Version number 3

Revision: 10.02.2018

**Trade name: Signum Composite flow**

(Contd. of page 4)

### 11 Toxicological Information

- **Information on toxicological effects**
- **Acute toxicity**

- **LD/LC50 values that are relevant for classification:**

#### 109-16-0 triethylen glycol dimethacrylate

|        |      |                      |
|--------|------|----------------------|
| Oral   | LD50 | >5,000 mg/kg (rat)   |
| Dermal | LD50 | >2,000 mg/kg (mouse) |

#### amorphe Kieselsäure

|      |      |                    |
|------|------|--------------------|
| Oral | LD50 | >5,000 mg/kg (rat) |
|------|------|--------------------|

#### 24650-42-8 2,2-dimethoxy-1,2-diphenylethan-1-one

|        |      |                    |
|--------|------|--------------------|
| Oral   | LD50 | >6,000 mg/kg (rat) |
| Dermal | LD50 | >7,100 mg/kg (rat) |

#### 128-37-0 2,6-di-tert-butyl-p-cresol

|      |      |                    |
|------|------|--------------------|
| Oral | LD50 | >2,000 mg/kg (rat) |
|------|------|--------------------|

- **Respiratory or skin sensitisation** No sensitizing effect known.

### 12 Ecological Information

- **Toxicity**

- **Aquatic toxicity:**

#### 109-16-0 triethylen glycol dimethacrylate

|          |                   |
|----------|-------------------|
| EC50/72h | >100 mg/l (algae) |
|----------|-------------------|

- **Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems:**
  - **Bioaccumulative potential** No further relevant information available.
  - **Mobility in soil** No further relevant information available.
- **Ecotoxicological effects:**
  - **Remark:** Harmful to fish
- **Additional ecological information:**
  - **General notes:**
    - Avoid transfer into the environment.
    - Harmful to aquatic organisms
- **Results of PBT and vPvB assessment**
  - **PBT:** Not applicable.
  - **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

### 13 Disposal considerations

- **Waste treatment methods**

- **Recommendation**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.  
Disposal must be made according to official regulations.

(Contd. on page 6)



**Safety Data Sheet**  
according to WHS Regulations

Printing date 10.02.2018

Version number 3

Revision: 10.02.2018

**Trade name: Signum Composite flow**

(Contd. of page 5)

- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

**14 Transport information**

|   |                 |
|---|-----------------|
| · <b>UN-Number</b><br>· ADG, ADN, IMDG, IATA                                | Void            |
| · <b>UN proper shipping name</b><br>· ADG, ADN, IMDG, IATA                  | Void            |
| · <b>Transport hazard class(es)</b><br>· ADG, ADN, IMDG, IATA<br>· Class    | Void            |
| · <b>Packing group</b><br>· ADG, IMDG, IATA                                 | Void            |
| · <b>Environmental hazards:</b>   | Not applicable. |
| · <b>Special precautions for user</b>                                       | Not applicable. |
| · <b>Transport in bulk according to Annex II of Marpol and the IBC Code</b> | Not applicable. |
| · <b>Transport/Additional information:</b>                                  | -               |
| · <b>UN "Model Regulation":</b>   | Void            |

**15 Regulatory information**

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
  - **GHS label elements** Void
    - **Hazard pictograms** Void
    - **Signal word** Void
    - **Hazard statements** Void
    - **Precautionary statements**  
Avoid breathing dust/fume/gas/mist/vapours/spray.  
Contaminated work clothing should not be allowed out of the workplace.  
Avoid release to the environment.  
Wear protective gloves/protective clothing/eye protection/face protection.
  - **Directive 2012/18/EU**
    - **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

**16 Other information**

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Abbreviations and acronyms:**  
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  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances

(Contd. on page 7)

AUS



**Safety Data Sheet**  
**according to WHS Regulations**

Printing date 10.02.2018

Version number 3

Revision: 10.02.2018

**Trade name: Signum Composite flow**

CAS: Chemical Abstracts Service (division of the American Chemical Society)  
DNEL: Derived No-Effect Level (REACH)  
PNEC: Predicted No-Effect Concentration (REACH)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative  
· \* **Data compared to the previous version altered.**

(Contd. of page 6)

AUS