



**Safety Data Sheet  
according to WHS Regulations**

Date of issue: 06.08.2025

Version number 1

Revision: 06.08.2025

Hazardous according to criteria of Australian Safety and Compensation Council.

## 1 Identification

· **Other means of identification**

· **Trade name:** **dima Print Guide Tray**

· **Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.

· **Application of the substance / the mixture** Manufacture of dental prothesis

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

· **Manufacturer/Supplier:**  
Kulzer Australia Pty Ltd  
Unit 20, 53 Lorraine St  
PEAKHURST NSW 2210  
Australia

Tel: +61 (02) 9153 0311

· **Informing department:** see above

· **Emergency telephone number:**  
Poison Information Number: Australia 13 11 26 & New Zealand 0800 764 766

## 2 Hazard(s) Identification

· **Classification of the substance or mixture**

Skin sensitisation – Category 1 H317 May cause an allergic skin reaction.

· **Label elements**

· **GHS label elements**

The product is classified and labelled according to the Globally Harmonised System (GHS).

· **Hazard pictograms**



GHS07

· **Signal word** Warning

· **Hazard-determining components of labelling:**

phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide ( $\geq 1$ -<5 %)

· **Hazard statements**

May cause an allergic skin reaction.

· **Precautionary statements**

Avoid release to the environment.

Wear protective gloves / eye protection.

IF ON SKIN: Wash with plenty of soap and water.

If skin irritation or rash occurs: Get medical advice/attention.

· **Other hazards -**

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.



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### 3 Composition and Information on Ingredients

· **Chemical characterisation: Mixtures**

· **Description: -**

· **Dangerous components:**

162881-26-7	phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide	≥1-<5%
	Skin sensitisation – Category 1, H317	

· **Additional information** For the wording of the listed hazard phrases refer to section 16.

### 4 First Aid Measures

- **General information** Personal protection for the First Aider.
- **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.
- **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** Allergic reactions
  - **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### 5 Fire Fighting Measures

- **Suitable extinguishing agents**  
CO<sub>2</sub>, extinguishing powder or water jet. Fight larger fire with alcohol-resistant foam.  
Use fire fighting measures that suit the environment.
- **For safety reasons unsuitable extinguishing agents** Water with a full water jet.
- **Special hazards arising from the substance or mixture**  
Formation of toxic gases is possible during heating or in case of fire.
- **Protective equipment:** Wear self-contained breathing apparatus.
- **Additional information -**

### 6 Accidental Release Measures

- **Personal precautions, protective equipment and emergency procedures**  
Avoid contact with eyes and skin.  
Wear protective equipment. Keep unprotected persons away.  
Particular danger of slipping on leaked/spilled product.  
Personen in Sicherheit bringen.
- **Environmental precautions:**  
Inform respective authorities in case product reaches water or sewage system.  
Prevent material from reaching sewage system, holes and cellars.  
Nicht in die Kanalisation/Oberflächenwasser/Grundwasser gelangen lassen.

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- **Methods and material for containment and cleaning up:**  
Collect mechanically.  
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**  
Avoid contact with eyes and skin.  
Particular danger of slipping on leaked/spilled product.  
Ensure good ventilation/exhaustion at the workplace.
  - **Information about protection against explosions and fires:**  
Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.
- **Storage**
  - **Requirements to be met by storerooms and containers:** Store only in the original container.
  - **Information about storage in one common storage facility:**  
Store away from oxidising agents.  
Store away from reducing agents.
  - **Further information about storage conditions:**  
Store cool (not above 25 °C).  
Protect from heat and direct sunlight.
- **Specific end use(s)** No further relevant information available.

## 8 Exposure controls and personal protection

- **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.  
Not required.

### · DNELs

#### 41637-38-1 bisphenol A polyethnylene glycol diether dimethacrylate

Oral	general population, long term, systemic	5 mg/Kg (not defined)
Dermal	worker industrial, long term, systemic	140 mg/Kg/d (not defined)
	general population, long term, systemic	50 mg/Kg/d (not defined)
Inhalative	worker industrial, long term, systemic	98.7 mg/m3 (not defined)
	general population, long term, systemic	17.4 mg/m3 (not defined)

- **Additional information:** The lists that were valid during the compilation were used as basis.
- **Personal protective equipment**
  - **General protective and hygienic measures**  
Instantly remove any soiled and impregnated garments.

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

· **Breathing equipment:** Not necessary if room is well-ventilated.

· **Protection of hands:**

If skin contact cannot be avoided, protective gloves are recommended to avoid possible sensitization. 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:** Tightly sealed safety glasses.

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

**9 Physical and Chemical Properties**

· **General Information**

· **Appearance:**

· **Form:**

Fluid

· **Colour:**

Yellow

· **Smell:**

Ester-like

· **Odour threshold:**

Not determined.

· **pH-value:**

Not determined.

· **Change in condition**

· **Melting point/freezing point:**

Not determined

· **Initial boiling point and boiling range:** >290 °C

· **Flash point:**

>100 °C

· **Inflammability (solid, gaseous)**

Not applicable.

· **Decomposition temperature:**

Not determined.

· **Self-inflammability:**

Product is not selfigniting.

· **Explosive properties:**

Product is not explosive.

Not determined.

· **Critical values for explosion:**

· **Lower:**

Not determined.

· **Upper:**

Not determined.

· **Steam pressure:**

Not determined.

· **Density at 20 °C**

1.12 g/cm<sup>3</sup>

· **Relative density**

Not determined.

· **Vapour density**

Not determined.

· **Evaporation rate**

Not determined.

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- |   |                 |
|---|-----------------|
| · <b>Solubility in / Miscibility with</b>                             |                 |
| · <b>Water:</b>   | Fully miscible  |
| · <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>Solids content:</b>  | 0.0 %           |
| · <b>Other information</b> No further relevant information available. |                 |
| · <b>Particle characteristics</b>                                     | Not applicable. |
| · <b>Physical state</b>   | Liquid          |

## 10 Stability and Reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**  
Not stable, avoid heat and direct sunlight; polymerizes in the presence of metal powders, peroxides, strong oxidizing agents and free radical initiators.
- **Conditions to be avoided:** No decomposition if used and stored according to specifications.
- **Possibility of hazardous reactions** Exothermic polymerisation
- **Conditions to avoid** Heat, flames and sparks.
- **Incompatible materials:**  
Strong acids  
Strong oxidizers  
Radical initiator  
Starke Basen
- **Hazardous decomposition products:**  
Carbon monoxide and carbon dioxide  
Phosphorus oxides (e.g. P<sub>2</sub>O<sub>5</sub>)
- **Additional information:** -

## 11 Toxicological Information

- **Information on toxicological effects**
  - **Acute toxicity** Based on available data, the classification criteria are not met.

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

### 41637-38-1 bisphenol A polyethnylene glycol diether dimethacrylate

Oral	LD50	>2,000 mg/kg (rat) (OECD 423)
Dermal	LD50	>2,000 mg/kg (rat) (OECD 402)

### 162881-26-7 phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide

Oral	LD50	>2,000 mg/kg (rat) (OECD 401)
Dermal	LD50	>2,000 mg/kg (rat) (OECD 402)

· **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.

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- **Respiratory or skin sensitisation** May cause an allergic skin reaction.
- **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.

**162881-26-7 phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide**

Oral NOAEL (parental toxicity) >1,000 mg/kg/d (rat)

- **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.

**12 Ecological Information**

· **Toxicity**

· **Aquatic toxicity:**

**41637-38-1 bisphenol A polyethnylene glycol diether dimethacrylate**

EC50/72h	>100 mg/l (algae) (OECD 201)
LL50/96h	>100 mg/L (fish) (OECD 203)
EL50/48h	>100 mg/L (daphnia) (OECD 202)
EL50/72h	>100 mg/L (algae) (OECD 201)
NOEC / 21d	≥22.4 mg/l (daphnia) (OECD 211)
NOEC 28d	14.3 mg/l (bacteria)
NOELR	100 mg/L /48h (daphnia) (OECD 202)

**162881-26-7 phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide**

EC50/72h	>0.26 mg/l (algae) (OECD 201)
EC50/48h	>1.175 mg/l (daphnia) (OECD 202)
LC50/96h	>0.09 mg/l (fish) (OESO 203)

· **Persistence and degradability**

**41637-38-1 bisphenol A polyethnylene glycol diether dimethacrylate**

Biodegradation 24 % /28d (not defined) (OECD 301D)

· **Behaviour in environmental systems:**

- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **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.

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Disposal must be made according to official regulations.

· **Uncleaned packagings:**

· **Recommendation:**

Disposal must be made according to official regulations.

Non contaminated packagings can be used for recycling.

· **Recommended cleaning agent:** Water, if necessary with cleaning agent.

**14 Transport information**

· **UN-Number**

· **ADG, IMDG, IATA**

Void

· **UN proper shipping name**

· **ADG, ADN, IMDG, IATA**

Void

· **Transport hazard class(es)**

· **ADG, ADN, IMDG, IATA**

· **Class**

Void

· **Packing group**

· **ADG, IMDG, IATA**

Void

· **Environmental hazards:**

Not applicable.

· **Special precautions for user**

Not applicable.

· **Transport in bulk according to Annex II of  
Marpol and the IBC Code**

Not applicable.

· **Transport/Additional information:**

-

· **UN "Model Regulation":**

Void

**15 Regulatory information**

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**

· **Australian Inventory of Industrial Chemicals**

All ingredients are listed.

· **Australia: Priority Existing Chemicals**

None of the ingredients is listed.

· **Directive 2012/18/EU**

· **Named dangerous substances - ANNEX I** None of the ingredients is listed.

· **Regulation (EU) No 649/2012**

None of the ingredients are included.

· **National regulations**

The product is subject to classification in accordance with the prevailing version of the regulations on hazardous materials.

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· **Other regulations, limitations and prohibitive regulations**

· **AICS - Australian Inventory of Chemical Substances**

162881-26-7 phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide

· **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.

· **Relevant phrases**

H317 May cause an allergic skin reaction.

· **Abbreviations and acronyms:**

ADR: Accord relatif au transport international 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

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Skin sensitisation – Category 1: Skin sensitisation – Category 1

· **\* Data compared to the previous version altered.**

AU