1 Identification
- Product identifier
  · Trade name: **Gluma Desensitizer**
  · Relevant identified uses of the substance or mixture and uses advised against
    No further relevant information available.
  · Application of the substance / the mixture For desensitisation of teeth
- Details of the supplier of the safety data sheet
  · Manufacturer/Supplier:
    Kulzer Australia Pty Ltd
    11 – 21 Underwood Rd
    HOMEBUSH NSW 2140
    Australia
    Tel: +61 (0) 2 9764 5222
  · 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 Irrit. 2 H315 Causes skin irritation.
  Eye Dam. 1 H318 Causes serious eye damage.
  Resp. Sens. 1 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
  Skin Sens. 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
    ![GHS05](image)
    ![GHS08](image)
  · Signal word Danger
  · Hazard-determining components of labelling:
    2-hydroxyethyl methacrylate glutaral
  · Hazard statements
    Causes skin irritation.
    Causes serious eye damage.
    May cause allergy or asthma symptoms or breathing difficulties if inhaled.
    May cause an allergic skin reaction.
  · Precautionary statements
    Avoid breathing dust/fume/gas/mist/vapours/spray.
    Wear protective gloves / eye protection / face protection.
    In case of inadequate ventilation wear respiratory protection.
    IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
    Specific treatment (see on this label).
    If experiencing respiratory symptoms: Call a POISON CENTER/doctor.
- Other hazards -
Trade name: Gluma Desensitizer

- Results of PBT and vPvB assessment
  - PBT: Not applicable.
  - vPvB: Not applicable.

3 Composition and Information on Ingredients
- Chemical characterisation: Mixtures
- Description:
- Dangerous components:
  - CAS: 868-77-9  2-hydroxyethyl methacrylate  Skin Irrit. 2, H315; Eye Irrit. 2A, H319; Skin Sens. 1, H317  25-50%  EINECS: 212-782-2
  - CAS: 111-30-8 glutaral  Acute Tox. 3, H301; Acute Tox. 3, H331; Resp. Sens. 1, H334; Skin Corr. 1B, H314; Skin Sens. 1, H317; Flam. Liq. 4, H227  5-10%  EINECS: 203-856-5
- 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 rinse with water. 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
    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.
  - Special hazards arising from the substance or mixture
    Formation of toxic gases is possible during heating or in case of fire.
- Advice for firefighters
  - Protective equipment: Put on breathing apparatus.
- Additional information

6 Accidental Release Measures
- Personal precautions, protective equipment and emergency procedures  Not required.
- Environmental precautions  No special measures required.
- Methods and material for containment and cleaning up:
  - Absorb with liquid-binding material (diatomite, universal binders, for small amounts tissues).
  - Dispose of contaminated material as waste according to item 13.
7 Handling and Storage

- **Handling**
  - **Precautions for safe handling**
    - Keep containers tightly sealed.
    - Wear protective equipment. Keep unprotected persons away.
    - Ensure good ventilation/exhaustion at the workplace.
  - **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.

8 Exposure controls and personal protection

- **Additional information about design of technical systems:** No further data; see item 7.

- **Control parameters**

| Components with critical values that require monitoring at the workplace: |
|-----------------------------|-----------------------------|
|                             | 111-30-8 glutaral          |
| NES (Australia)             | 0.82 mg/m³, 0.2 ppm        |
| Sen                         |                             |
| REL (USA)                   | Short-term value: C 0.8 mg/m³, C 0.2 ppm |
| TLV (USA)                   | Short-term value: C 0.2 mg/m³, C 0.05 ppm |
| SEN                         |                             |

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

- **Exposure controls**
  - **Personal protective equipment**
    - **General protective and hygienic measures**
      - Keep away from foodstuffs, beverages and food.
      - Instantly remove any soiled and impregnated garments.
      - Wash hands during breaks and at the end of the work.
      - Avoid contact with the eyes and skin.
  - **Breathing equipment:**
    - Not necessary with efficient local exhaust. If exposure to vapours is possible, use breathing protective mask (filter A).
  - **Protection of hands:**
    - The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
    - Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.
    - If skin contact cannot be avoided, protective gloves are recommended to avoid possible sensitization.
Solvent resistant gloves
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 breakthrough 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:**
  - Before use, put on the protective goggles and cover the patient’s eyes to protect against splashes of material.
  - Tightly sealed safety glasses.

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

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### Physical and Chemical Properties

- **Information on basic physical and chemical properties**
  - **General Information**
    - **Appearance:** Fluid
    - **Form:** Colourless
    - **Smell:** Aromatic
    - **Odour threshold:** Not determined.
  - **pH-value at 20 °C:** 4,0
  - **Change in condition**
    - **Melting point/freezing point:** Not determined
    - **Initial boiling point and boiling range:** 100 °C
  - **Flash point:** Not applicable
  - **Inflammability (solid, gaseous):** Not applicable.
  - **Ignition temperature:** 230.0 °C
  - **Decomposition temperature:** Not determined.
  - **Self-inflammability:** Product is not selfigniting.
  - **Explosive properties:** Product is not explosive.
  - **Critical values for explosion:**
    - **Lower:** Not determined.
    - **Upper:** Not determined.
  - **Steam pressure at 20 °C:** 23 hPa
  - **Density at 20 °C:** 1,16 g/cm³
  - **Relative density:** Not determined.
  - **Vapour density:** Not determined.
Trade name: Gluma Desensitizer

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

11 Toxicological Information
- Information on toxicological effects
  - Acute toxicity
    - LD/LC50 values that are relevant for classification:
      Oral LD50 > 2000 mg/kg (rat)
      868-77-9 2-hydroxyethyl methacrylate
      Oral LD50 5564 mg/kg (rat)
      Dermal LD50 >3000 mg/kg (can)
    - Primary irritant effect:
      - Skin corrosion/irritation Irritant for skin and mucous membranes.
      - Serious eye damage/irritation Strong irritant with the danger of severe eye injury.
    - Respiratory or skin sensitisation
      Sensitization possible by inhalation.
      Sensitization possible by skin contact.
    - Additional toxicological information:
      Harmful
      Irritant

12 Ecological Information
- Toxicity
  - Aquatic toxicity:
    868-77-9 2-hydroxyethyl methacrylate
    LC50/96h 227 mg/l (fish)
  - Persistence and degradability No further relevant information available.
Trade name: Gluma Desensitizer

- **Behaviour in environmental systems:**
  - **Bioaccumulative potential:** No further relevant information available.
  - **Mobility in soil:** No further relevant information available.
- **Additional ecological information:**
  - **General notes:**
    Do not allow product to reach ground water, water bodies or sewage system, even in small quantities.
    Danger to drinking water if even extremely small quantities leak into soil.
  - **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.
- **Uncleaned packagings:**
  - **Recommendation:** Disposal must be made according to official regulations.

### 14 Transport information

- **UN-Number**
  - **ADG, ADN, IMDG, IATA**
    Void
- **UN proper shipping name**
  - **ADG, ADN, IMDG, IATA**
    Void
- **Transport hazard class(es)**
  - **ADG, ADN, IMDG, IATA**
    Void
- **Packing group**
  - **ADG, IMDG, IATA**
    Void
- **Environmental hazards:**
  - **Marine pollutant:**
    No
- **Special precautions for user**
  - **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

- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

(Contd. of page 5)
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:
- H227 Combustible liquid.
- H301 Toxic if swallowed.
- H314 Causes severe skin burns and eye damage.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H331 Toxic if inhaled.
- H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

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
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent
- PBT: Persistent, Bioaccumulative and Toxic
- vPvB: very Persistent and very Bioaccumulative
- Flam. Liq. 4: Flammable liquids – Category 4
- Acute Tox. 3: Acute toxicity – Category 3
- Skin Corr. 1B: Skin corrosion/irritation – Category 1B
- Skin Irrit. 2: Skin corrosion/irritation – Category 2
- Eye Dam. 1: Serious eye damage/eye irritation – Category 1
- Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A
- Resp. Sens. 1: Respiratory sensitisation – Category 1
- Skin Sens. 1: Skin sensitisation – Category 1

* Data compared to the previous version altered.