

## Material Safety Data Sheet

According to 1907/2006EC, Article 31

### 1. Identification of substance:

**Product name:** *Yumizen G CAL*  
**Cat.No:** 1300036416  
**Application of the substance /  
the preparation:** *Laboratory reagent For In Vitro Diagnostic Use*  
**Manufacturer/Supplier:** HORIBA ABX SAS  
Parc Euromédecine - Rue du Caducée  
BP 7290  
34184 MONTPELLIER CEDEX 4 - FRANCE  
Tel: +33 (0) 4 67 14 15 16  
Fax: +33 (0) 4 67 14 15 17  
documentation.med@horiba.com  
**Emergency information:** + 800 67 14 15 16 (supplier)

### 2. Hazards identification

**Classification according to Regulation (EC) No 1272/2008:**  
*Non-hazardous*

### 3. Composition/Data on components:

**Dangerous components according to EC-criteria:**  
*Not present above the corresponding concentration limits.*

### 4. First aid measures

**General information:** *No special measures required.*  
**Inhalation:** *Supply fresh air; consult doctor in case of symptoms.*  
**Skin contact:** *Wash skin with water.*  
**Eye contact:** *Immediately rinse opened eye for several minutes under  
running water.*  
**Ingestion:** *In case of persistent symptoms consult doctor.*

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### 5. Fire fighting measures

**Suitable extinguishing agents:** CO<sub>2</sub>, extinguishing powder or water jet.

**Protective equipment:** No special measures required.

**Specific risks:** Non determined

**Additional recommendations:** None

### 6. Accidental release measures:

**Person-related safety precautions:** Wear lab coat, protective gloves and safety goggles.

**Measures for environmental protection:** Dilute with much water.

**Measures for cleaning/collecting:** Absorb with liquid-binding material (diatomite, acid binders, universal binders).

**Additional information:** No dangerous materials are released.

### 7. Handling and storage

#### Handling

**Safe handling:** No special measures required.

**Protection against explosions and fires:** No special measures required.

#### Storage

**Storerooms and containers:** No special requirements.

**Storage in one common storage facility:** Not required.

**Further storage conditions:** Protect from direct sunlight, store at 2-8 °C.

### 8. Exposure controls and personal protection

**Components with limit values at the workplace:** Not required.

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

**General protective and hygienic measures:** The usual precautionary measures should be adhered to general rules for handling chemicals.

#### Personal protective equipment:

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

**Hand protection:** Protective gloves

**Eye protection:** Safety glasses recommended during refilling.

**Skin protection:** Lab coat.

**Hygiene measures:** Wash hands before and after use.

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### 9. Physical and chemical properties

#### General Information

|  |   |
|--|---|
| <b>Form:</b>                                   | Lyophilized powder                                  |
| <b>Colour:</b>                                 | Pale yellow   |
| <b>Odour:</b>                                  | Odourless   |
| <b>Change in condition</b>                     |   |
| <b>Melting point/Melting range:</b>            | No data   |
| <b>Boiling point/Boiling range:</b>            | No data   |
| <b>Flash point:</b>                            | Not applicable                                      |
| <b>Self-inflammability:</b>                    | Product is not self-igniting.                       |
| <b>Danger of explosion:</b>                    | Product is not explosive.                           |
| <b>Vapour pressure at 20°C:</b>                | No data   |
| <b>Density at 20°C</b>                         | No data   |
| <b>Solubility in / Miscibility with Water:</b> | No data   |
| <b>pH-value at 20°C:</b>                       | ~7.0 if reconstituted with the appropriate solvent. |
| <b>Viscosity:</b>                              | No data   |

### 10. Stability and reactivity

|  |   |
|--|---|
| <b>Thermal decomposition / conditions to be avoided:</b> | No decomposition if used according to specifications. |
| <b>Dangerous reactions</b>                               | No dangerous reactions known.                         |
| <b>Dangerous products of decomposition:</b>              | No dangerous decomposition products known.            |

### 11. Toxicological information

|  |                    |
|--|--------------------|
| <b>Potential acute health effects:</b>   |                    |
| <b>Inhalation:</b>                       | No data available. |
| <b>Ingestion:</b>                        | No data available. |
| <b>Skin contact:</b>                     | No data available. |
| <b>Eye contact:</b>                      | No data available. |
| <b>Acute toxicity:</b>                   | No data available. |
| <b>Potential chronic health effects:</b> | No data available. |

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### 12. Ecological information

|                                    |                    |
|------------------------------------|--------------------|
| <b>General notes:</b>              | No data available. |
| <b>Mobility:</b>                   | No data available. |
| <b>Degradability:</b>              | No data available. |
| <b>Bio accumulative potential:</b> | No data available. |
| <b>Ecotoxicology:</b>              | No data available. |
| <b>Other hazardous effects:</b>    | No data available. |

### 13. Disposal considerations

|                                |   |
|--------------------------------|---|
| <b>Product:</b>                |   |
| <b>General recommendation:</b> | The product must be disposed of as a laboratory chemical according to local regulations.  |
| <b>Contaminated packaging:</b> |   |
| <b>Recommendation:</b>         | Incineration. There are no uniform EC-regulations for the disposal of packaging as waste. |

### 14. Transport information

#### International transport regulations:

| Regulatory information | UN number       | Proper shipping name | Classes | Packing group | Label | Additional information |
|------------------------|-----------------|----------------------|---------|---------------|-------|------------------------|
| ADR/RID Class          | Not regulated.  | -                    | -       | -             | -     | -                      |
| ADNR Class             | Not regulated.  | -                    | -       | -             | -     | -                      |
| IMDG Class             | Not regulated.  | -                    | -       | -             | -     | -                      |
| IATA Class             | Not regulated.. | -                    | -       | -             | -     | -                      |

### 15. Regulatory information

#### Labeling according to directive 67/548/EGK.

**Other regulations:** 2000./XXV., 2004./XXVI law of chemical safety and mandatory regulation 44/2000. (XII. 27.) EüM., 33/2004. ESZCSM regulation of dangerous materials and preparations, procedure rules 2000./ XLIII. law of waste management 98/2001. (VI. 15.) government regulation, 16/2001. (VII. 18.) KöM regulation.

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**16. Other information:**

*Horiba Medical provides the information in this data sheet in good faith, declaring it is up- to-date at time of revision. However this document is intended only as a guide for professional use, according to the intended purposes of the product. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.*