

**SAFETY DATA SHEET (GHS)**

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**1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE/PRODUCT AND MANUFACTURER/IMPORTER****1.1 Product identifier:-**

**Product name:** | IPS InLine System Build-Up Liquid L & P  
**Product number:** | Void

**1.2 Other means of identification:-**

Not applicable.

**1.3 Recommended use of the chemical and restrictions on use:-**

Not applicable.

**Identified uses:**

Leucite metal-ceramic  
 Manufacture of dental prosthesis

**1.4 Details of the manufacturer and importer:-****Manufacturer:**

Ivoclar Vivadent AG  
 Bendererstrasse 2  
 FL-9494 Schaan  
 PRINCIPALITY OF LIECHTENSTEIN  
 Tel: +423 235 35 35  
 Fax: +423 235 33 60

**Importer:**

Ivoclar Vivadent Pty Ltd  
 1- 5 Overseas Drive Noble Park North VIC 3174  
 Tel: + 61 3 9795 9599 Fax: + 61 3 9795 9645  
 Email: [info@ivoclarvivadent.com](mailto:info@ivoclarvivadent.com)

**1.5 Emergency phone number:**

13 11 26  
 Poisons Hotline (24 hours / 7 days)

**2. HAZARD(S) IDENTIFICATION****2.1 GHS Classification:-**

Void

**2.2 GHS Label elements, including precautionary statements:-**

**Hazard Pictogram:** | Void |  
**Signal word:** | Void |  
**Hazard-determining components of labelling:** | Void |  
**Hazard statements:** | Void |  
**Precautionary statements:** | Void |

**2.3 Additional information: Void****Other hazards:-**

**Results of PBT and vPvB assessment;** | **PBT:** | Not applicable.  
 | **vPvB:** | Not applicable.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Mixture of substances listed below with nonhazardous additions.

Ingredient name	CAS No.	Classification	Concentration

**4. FIRST AID MEASURES****4.1 Description of necessary first aid measures:-**

**If inhaled:** | Supply fresh air; consult doctor in case of complaints.  
**In case of skin contact:** | Rinse with water.

**In case of eye contact:**

Generally the product does not irritate the skin  
Rinse opened eye for several minutes under running water.

**If swallowed:**

If symptoms persist, consult a doctor  
Rinse out mouth and then drink plenty of water.  
If symptoms persist consult doctor.

**4.2 Symptoms caused by exposure:-**

No further relevant information available

**4.3 Medical attention and special treatment:-**

No further relevant information available.

**5. FIRE FIGHTING MEASURES**

**5.1 Suitable extinguishing equipment:-**

**Suitable extinguishing media:**

The product is not flammable. Use fire extinguishing methods suitable to surrounding conditions.

**Unsuitable extinguishing media:**

No further relevant information available.

**5.2 Specific hazards arising from the substance/mixture/product:-**

No further relevant information available.

**5.3 Special protective equipment and precautions for fire fighters:-**

**Special personal protective equipment:**

No further relevant information available

**Precautions:**

No further relevant information available

**6. ACCIDENTAL RELEASE MEASURES**

**6.1 Personal precautions, protective equipment and emergency procedures:-**

Particular danger of slipping on leaked/spilled product.

**6.2 Environmental precautions:-**

Do not allow to enter sewers/ surface or ground water.

**6.3 Methods and materials for containment and cleaning up:-**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

**7. HANDLING AND STORAGE**

**7.1 Precautions for safe handling:-**

Only adequately trained personnel should handle this product.

For use in dentistry only.

**7.2 Conditions for safe storage, including any incompatibilities:-**

Store only in the original receptacle.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1 Exposure control measures:-**

**Occupational exposure limits:**

Component	CAS No.	Value	Parameters	Basis
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**Ingredients with biological limit values:**

**8.2 Biological monitoring:-**

The lists valid during the making were used as basis.

**Exposure controls / Personal protective equipment / General protective and hygienic measures:**

Usual hygienic measures for dental practice.

Wash hands before breaks and at the end of work.

Keep away from foodstuffs, beverages and feed.

**8.3 Control banding:-**

Use good industrial hygiene practice and general ventilation.

**8.4 Engineering controls:-**

Void

**8.5 Individual protection measures include PPE:-**

**Eye/face protection:**



**Skin protection:**



**Respiratory protection:**



**Safety glasses**

Use tightly fitting safety glasses as per Australian Standard AS 1336 and AS/NZS 1337.

**Protection of hands:**

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

**- 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.

Not Required

**9. PHYSICAL/CHEMICAL PROPERTIES**

**9.1 Information on physical/chemical properties:-**

- |    |  |  |
|----|--|--|
| a) | <b>Appearance/Form:</b>                              | Fluid  |
| b) | <b>Colour:</b>                                       | Colourless   |
| c) | <b>Odour:</b>  | Odourless  |
| d) | <b>Odour threshold:</b>                              | Not determined.                                    |
| e) | <b>pH value at 20°C:</b>                             | Not determined.                                    |
| f) | <b>Melting point/melting range:</b>                  | Not determined.                                    |
| g) | <b>Boiling point/boiling range:</b>                  | 100°C  |
| h) | <b>Flash point:</b>                                  | Not determined.                                    |
| i) | <b>Ignition temperature:</b>                         | Not determined.                                    |
| j) | <b>Self-igniting:</b>                                | Product is not self-igniting.                      |
| k) | <b>Danger of explosion:</b>                          | Not determined.                                    |
| l) | <b>Upper/lower flammability or explosive limits:</b> | Lower   Not determined.<br>Upper   Not determined. |
| m) | <b>Vapour pressure 20°C:</b>                         | 23 hPa   |

n)	<b>Density at 20°C:</b>	Not determined.
o)	<b>Relative density:</b>	Not determined.
p)	<b>Vapour density:</b>	Not applicable.
q)	<b>Evaporation rate:</b>	Not applicable.
r)	<b>Solubility in/miscibility with water:</b>	Not miscible or difficult to mix.
s)	<b>Partition coefficient: n- octanol/water:</b>	Not determined.
t)	<b>Viscosity:</b>	Dynamic   Not applicable. Kinematic   Not applicable.
u)	<b>Solids content:</b>	Not determined.

**10. STABILITY AND REACTIVITY**

**10.1 Reactivity:-**

No further relevant information available.

**10.2 Chemical stability:-**

Stable under normal handling and storage conditions.

**Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

**10.3 Possibility of hazardous reactions:-**

No dangerous reactions known.

**10.4 Conditions to avoid:-**

No further relevant information available.

**10.5 Incompatible materials:-**

No further relevant information available.

**10.6 Hazardous decomposition products:-**

None under normal conditions of storage and use.

**11. TOXICOLOGICAL INFORMATION**

**11.1 Information on toxicological effects:-**

**Acute toxicity / Values relevant for classification:**

<b>Skin corrosion/irritation:</b>	No irritant effect.
<b>Serious eye damage/eye irritation:</b>	No irritating effect.
<b>Respiratory or skin sensitization:</b>	No sensitising effects known
<b>Germ cell mutagenicity:</b>	No further relevant information available.
<b>Carcinogenicity:</b>	No further relevant information available.
<b>Reproductive toxicity:</b>	No further relevant information available.
<b>Specific target organ toxicity - single exposure:</b>	No further relevant information available.
<b>Specific target organ toxicity - repeated exposure:</b>	No further relevant information available.
<b>Aspiration hazard:</b>	No further relevant information available.
<b>Additional information:</b>	No further relevant information available

**11.2 Information on possible routes of exposure:-**

**Short Term (Acute) Exposure:**

<b>Swallowed:</b>	No further relevant information available.
<b>Eyes:</b>	No further relevant information available.
<b>Skin:</b>	No further relevant information available.
<b>Inhaled:</b>	No further relevant information available.
<b>Long Term (Chronic) Exposure:</b>	No further relevant information available.
<b>Swallowed:</b>	No further relevant information available.
<b>Eyes:</b>	No further relevant information available.
<b>Skin:</b>	No further relevant information available.

- Inhaled:**
- 11.3 **Early onset symptoms related to exposure:-** No further relevant information available.
  - 11.4 **Delayed health effects from exposure:-** No further relevant information available.
  - 11.5 **Exposure levels and health effects:-** No further relevant information available.
  - 11.6 **Interactive effects:-** No further relevant information available.
  - 11.7 **Other:-** No further relevant information available.
- 12. ECOLOGICAL INFORMATION**
- 12.1 **Ecotoxicity:-**  
No further relevant information available.
  - 12.2 **Persistence/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.
  - 12.5 **Other adverse effects:-**  
No further relevant information available.
- Additional ecological information / General notes:-**  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- 12.6 **Other adverse effects:-**  
No further relevant information available.
- 13. DISPOSAL CONSIDERATIONS**
- 13.1 **Disposal methods:-**  
Take to an approved landfill or a waste incineration plant, under conditions approved by the local authority.
- Uncleaned packaging:  
· **Recommendation:** Disposal must be made according to official regulations.
- 14. TRANSPORT INFORMATION**
- |   |  |
|---|--|
| <b>UN number ADR / IMDG / IATA:-</b>  | Void.  |
| <b>UN proper shipping name or technical name:-</b>                              |  |
| <b>ADR:</b>   | Void.  |
| <b>IMDG, IATA:</b>  | Void.  |
| <b>Transport hazard class(es):</b>  | Void.  |
| <b>Label:</b>   | Void.  |
| <b>Packaging group:</b>   | Void.  |
| <b>Environmental hazards:</b>   | Not applicable.  |
| <b>Special precautions for user:</b>  | Not applicable.  |
| <b>Danger code:</b>   | Void.  |
| <b>EMS Number:</b>  | Void.  |
| <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:</b> | Not applicable.  |
| <b>Transport/Additional information:</b>  | Product is not classified as a dangerous good for transport (ADR, IMDG, IATA). |
- 15. REGULATORY INFORMATION**
- 15.1 **Safety, health and environmental regulations/legislation specific for the substance/mixture/product:-**  
The product is a medical device according to the Directive 93/42/EEC.
  - 15.2 **Chemical safety assessment:**  
A Chemical Safety Assessment has not been carried out.

## 16. OTHER INFORMATION

**Key to abbreviations/acronyms used in SDS:-** | Void

**Key literature references/data sources used to compile SDS:-**

Void

### **Copyright statement:-**

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.

### **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.

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.

Flam. Liq. 2: Flammable liquids, Hazard Category 2.

Flam. Liq. 3: Flammable liquids, Hazard Category 3.

Acute Tox. 4: Acute toxicity, Hazard Category 4.

Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2.

Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2.

Repr. 2: Reproductive toxicity, Hazard Category 2.

STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3.

STOT RE 2: Specific target organ toxicity - Repeated exposure, Hazard Category 2.

Asp. Tox. 1: Aspiration hazard, Hazard Category 1.

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

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