

**1 Identification**

- **Product identifier**
- **Trade name:** IS LIQUID(Noritake Super Porcelain EX-3,CERABIEN ZR,CZR PRESS LF,EX-3 PRESS LF)
- **Article number:** CA1000-IL
- **Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the mixture** Auxiliary for manufacture of dental porcelain
- **Details of the supplier of the safety data sheet**
- **Manufacturer:**  
Kuraray Noritake Dental Inc.  
300 Higashiyama, Miyoshi-cho,  
Miyoshi, Aichi, 470-0293  
Japan
- **Contact information:**  
Kuraray America, Inc.  
33 Maiden Lane, 6th Floor, New York,  
NY 10038 U.S.A.  
Tel: 800-879-1676  
Fax: 888-700-5200  
Website: www.kuraraydental.com
- **Emergency telephone number:**  
For chemical emergency spill, leak, fire, exposure or accident  
Call CHEMTREC day and night  
Within USA and Canada: 1-800-424-9300 CCN706984 or  
+1 703-527-3887 (collect calls accepted)

**2 Hazard(s) identification**

- **Classification of the substance or mixture**



GHS07

Acute Toxicity (Oral) - Category 4 H302 Harmful if swallowed.  
Eye Irritation - Category 2A H319 Causes serious eye irritation.

- **Label elements**
- **GHS label elements**  
The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms** GHS07
- **Signal word** Warning
- **Hazard-determining components of labeling:**  
2-Phenoxyethanol
- **Hazard statements**  
H302 Harmful if swallowed.  
H319 Causes serious eye irritation.
- **Precautionary statements**

P264	Wash thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P280	Wear eye protection / face protection.
P301+P312	If swallowed: Call a poison center/doctor if you feel unwell.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P330	Rinse mouth.
P337+P313	If eye irritation persists: Get medical advice/attention.

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P501	Dispose of contents/container in accordance with local/regional/national/international regulations.	(Contd. of page 1)
<ul style="list-style-type: none"> <li>· <b>Other hazards</b></li> <li>· <b>Results of PBT and vPvB assessment</b></li> <li>· <b>PBT:</b> Not applicable.</li> <li>· <b>vPvB:</b> Not applicable.</li> </ul>		

<b>3 Composition/information on ingredients</b>											
<ul style="list-style-type: none"> <li>· <b>Chemical characterization: Mixtures</b></li> <li>· <b>Description:</b> Mixture of substances listed below with nonhazardous additions.</li> </ul>											
<table border="1" style="width: 100%;"> <tr> <td colspan="3">· <b>Dangerous components:</b></td> </tr> <tr> <td style="width: 15%;">122-99-6</td> <td style="width: 65%;">2-Phenoxyethanol</td> <td style="width: 20%; text-align: right;">&gt;95%</td> </tr> <tr> <td></td> <td>⚠ Acute Toxicity (Oral) - Category 4, H302; Eye Irritation - Category 2A, H319</td> <td></td> </tr> </table>			· <b>Dangerous components:</b>			122-99-6	2-Phenoxyethanol	>95%		⚠ Acute Toxicity (Oral) - Category 4, H302; Eye Irritation - Category 2A, H319	
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<b>4 First-aid measures</b>		
<ul style="list-style-type: none"> <li>· <b>Description of first aid measures</b></li> <li>· <b>General information:</b> Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident. Avoid contact with eyes. Avoid contact with skin.</li> <li>· <b>After inhalation:</b> Supply fresh air; consult doctor in case of complaints.</li> <li>· <b>After skin contact:</b> Generally the product does not irritate the skin.</li> <li>· <b>After eye contact:</b> Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.</li> <li>· <b>After swallowing:</b> Immediately call a doctor.</li> <li>· <b>Information for doctor:</b></li> <li>· <b>Most important symptoms and effects, both acute and delayed</b> No further relevant information available.</li> <li>· <b>Indication of any immediate medical attention and special treatment needed</b> No further relevant information available.</li> </ul>		

<b>5 Fire-fighting measures</b>		
<ul style="list-style-type: none"> <li>· <b>Extinguishing media</b></li> <li>· <b>Suitable extinguishing agents:</b> CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam. Use fire fighting measures that suit the environment.</li> <li>· <b>Special hazards arising from the substance or mixture</b> No further relevant information available.</li> <li>· <b>Advice for firefighters</b></li> <li>· <b>Protective equipment:</b> No special measures required.</li> </ul>		

<b>6 Accidental release measures</b>		
<ul style="list-style-type: none"> <li>· <b>Personal precautions, protective equipment and emergency procedures</b> See Section 8.</li> <li>· <b>Environmental precautions:</b> Do not allow to enter sewers/ surface or ground water.</li> <li>· <b>Methods and material for containment and cleaning up:</b> Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to item 13. Ensure adequate ventilation.</li> <li>· <b>Reference to other sections</b> See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment.</li> </ul>		
		(Contd. on page 3)

See Section 13 for disposal information.

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**7 Handling and storage**

- **Handling:**
- **Precautions for safe handling** 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 receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**  
Keep receptacle tightly sealed.  
Store at room temperature.
- **Specific end use(s)** No further relevant information available.

**8 Exposure controls/personal protection**

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

· **Components with limit values that require monitoring at the workplace:**

**122-99-6 2-Phenoxyethanol**

EV (Canada)	141 mg/m <sup>3</sup> , 25 ppm Skin
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- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
Immediately remove all soiled and contaminated clothing.  
Wash hands before breaks and at the end of work.  
Avoid contact with the eyes.  
Avoid contact with the eyes and skin.
- **Breathing equipment:**  
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.
- **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 trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

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· **Eye protection:**



Tightly sealed goggles

**9 Physical and chemical properties**

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

· **General Information**

· **Appearance:**

· <b>Form:</b>	Liquid
· <b>Color:</b>	Colorless
· <b>Odor:</b>	Characteristic
· <b>Odor threshold:</b>	Not determined.

· <b>pH-value:</b>	Not determined
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· **Change in condition**

· <b>Melting point/Melting range:</b>	Not determined
· <b>Boiling point/Boiling range:</b>	244 °C (2-Phenoxyethanol)

· <b>Flash point:</b>	121 °C (2-Phenoxyethanol)
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· <b>Flammability (solid, gaseous):</b>	Not determined.
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· <b>Ignition temperature:</b>	535 °C (2-Phenoxyethanol)
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· <b>Decomposition temperature:</b>	Not determined
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· <b>Auto igniting:</b>	Not determined
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· <b>Danger of explosion:</b>	Product does not present an explosion hazard.
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· **Explosion limits:**

· <b>Lower:</b>	Not determined
· <b>Upper:</b>	Not determined

· <b>Oxidizing properties</b>	Not determined.
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· <b>Vapor pressure:</b>	Not determined
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· <b>Density:</b>	1.1 g/cm <sup>3</sup>
· <b>Relative density</b>	Not determined
· <b>Vapor density</b>	Not determined
· <b>Evaporation rate</b>	Not determined

· <b>Solubility in / Miscibility with Water:</b>	Partly miscible.
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· <b>Partition coefficient (n-octanol/water):</b>	Not determined
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· <b>Viscosity:</b>	Not determined
· <b>Dynamic:</b>	Not determined
· <b>Kinematic:</b>	Not determined
· <b>Other information</b>	No further relevant information available.

**10 Stability and reactivity**

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used and stored according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.

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- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** Carbon monoxide and carbon dioxide

**11 Toxicological information**

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

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

**122-99-6 2-Phenoxyethanol**

Oral	LD50	1260 mg/kg (rat)
Dermal	LD50	5000 mg/kg (rabbit)

- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** Irritating effect.
- **Sensitization:** Sensitization possible through inhalation.
- **Additional toxicological information:**  
The product shows the following dangers according to internally approved calculation methods for preparations:  
Harmful  
Irritant

· **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

· **NTP (National Toxicology Program)**

None of the ingredients is listed.



**12 Ecological information**

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behavior in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**  
Water hazard class 1 (Self-assessment): slightly hazardous for water  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **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**

· <b>UN-Number</b> · <b>DOT, TDG, IMDG, IATA</b>	UN2810
· <b>UN proper shipping name</b> · <b>DOT, IMDG, IATA</b> · <b>TDG</b>	TOXIC LIQUID, ORGANIC, N.O.S. (2-Phenoxyethanol) 2810 TOXIC LIQUID, ORGANIC, N.O.S. (2-Phenoxyethanol)
· <b>Transport hazard class(es)</b> · <b>DOT</b>	
	
· <b>Class</b> · <b>Label</b> · <b>TDG, IMDG, IATA</b>	6.1 Toxic substances 6.1
	
· <b>Class</b> · <b>Label</b>	6.1 Toxic substances 6.1
· <b>Packing group</b> · <b>DOT, TDG, IMDG, IATA</b>	III
· <b>Environmental hazards:</b> · <b>Marine pollutant:</b>	No
· <b>Special precautions for user</b> · <b>Danger code (Kemler):</b> · <b>EMS Number:</b>	Warning: Toxic substances 60 F-A,S-A
· <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.
· <b>UN "Model Regulation":</b>	UN2810, TOXIC LIQUID, ORGANIC, N.O.S. (2-Phenoxyethanol), 6.1, III

**15 Regulatory information**

· <b>Section 355 (extremely hazardous substances):</b>	None of the ingredient is listed.
· <b>Section 313 (Specific toxic chemical listings):</b>	None of the ingredients is listed.
· <b>SARA 311/312:</b>	See Section 2 for the information on physical and health hazards.
· <b>Canadian substance listings:</b>	
· <b>Canadian Domestic Substances List (DSL)</b>	All ingredients are listed.
· <b>Canadian Ingredient Disclosure list (limit 0.1%)</b>	All ingredients are listed.

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· **Canadian Ingredient Disclosure list (limit 1%)**

All ingredients are listed.

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**16 Other information**

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.

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

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