

## MATERIAL SAFETY DATA SHEET

### 1 - IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

**Product Name:** Smart Etch 5ml, 25ml

**Other Names:** n/a

**Recommended Use:** Etching of dentine or enamel surface before preparing a composite, multi-layer or bonded amalgam filling; before adhesive fixation of aesthetic ceramic or composite facet; before luting of fixed prosthetic dentures with a composite cement; with preparation of adhesive splints in periodontology; in the fixation of orthodontic appliances.

**Company name:** Safe Endo Dental India Pvt. Ltd.

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### 2 - HAZARDS IDENTIFICATION

**Hazard Classification:** NON-DANGEROUS GOODS

Not known to cause significant health problems. Avoid inhalation and keep dust out of the eyes.

### 3 - COMPOSITION/INFORMATION ON INGREDIENTS

The Gel contains the following dangerous substances:

Chemical name	Contents (%)	w/w %	CAS	Symbol	R-Phrases
OrthoPhosphoric acid	0,001 M	30-40	7664-38-2	C	R34
Gel forming agent with					
Distilled water	Ad 100		7732-18-5		

### 4 - FIRST AID MEASURES

**Description of first aid measures:**

Ensure the safety of all persons present. Provide mental rest and calm to anyone affected.

Prevent further exposure. Provide a sufficient supply of fresh air.

When breathing is difficult, seek medical advice. Upon skin contact wash with water and soap, use regenerating ointment. If the skin is damaged to a greater extent, seek medical assistance. Affected eyes wash out with plenty of lukewarm water, seek medical assistance. Upon ingestion wash the mouth out thoroughly. With apparent health problems, seek medical assistance.

**Most important acute and delayed symptoms and effects:** See Safety phrases.

**Indication of any immediate medical attention and special treatment needed:**

In case of damage to the eyes seek medical assistance.

### 5 - FIRE-FIGHTING MEASURES

<b>Extinguishing agents:</b>	water, powder, heavy or medium foam, CO <sub>2</sub>
<b>Unsuitable extinguishing agents:</b>	-
<b>Special danger arising from the substance or mixture:</b>	At high temperatures, fire can release acidic vapors.
<b>Instructions for fire workers:</b>	Use the protective garment, protection of respiratory system.

### 6 - ACCIDENTAL RELEASE MEASURES

**Regulations for the protection of persons, protective equipment and emergency procedures:**

Provide sufficient supply of fresh air. Avoid direct contact with the product.

**Regulations for the protection of the environment:**

Avoid leakage to the aquatic system, soil or vegetation.

**Methods and material for containment and cleaning:**

The product must be thoroughly removed using an absorbent.

**Reference to other sections: -**

### 7 - HANDLING AND STORAGE

**Instructions for safe handling:**

Suitable protective garments and gloves must be used; direct contact with skin and eyes must be avoided. Personal sanitary measures must be adopted. After work, hands must be thoroughly washed in lukewarm water and soap.

**Conditions for safe storage of substances and mixtures, including any incompatibilities:**

To be stored in a well sealed container.

**Specific use:**

See 1.2 herein. The product is classified as a medical device as per directive 93/42/EHS (in the Czech Republic: Government Decree 336/2004 Coll.).

The product is intended for professional use.

### 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters:** No information is available for the product.

**Personal protective aids:**

**Respiratory system protection:** Sufficient aeration

**Eye protection:** Goggles or shield

**Hand protection:** Rubber gloves

**Skin protection:** Working garment

### 9 - PHYSICAL AND CHEMICAL PROPERTIES

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

**Appearance:**

State (at 20°C): gel  
Colour: blue

No other information available.

**Other informations:**

The base gel is silica soot and diluted phosphoric acid.

**10 - STABILITY AND REACTIVITY**

**Reactivity:** In contact with metals and alkalis reacting the salt.

**Chemical stability:** The product is stable under normal conditions.

**Possibility of hazardous reactions:** N/D.

**Conditions to avoid:** Free access of air, which causes drying gel.

**Incompatible materials:** Metals, alkalis.

**Dangerous decomposition products:** Can release dangerous fumes during a fire - pentoxide.

**11 - TOXICOLOGICAL INFORMATION**

No information is available for the product.

**12 - ECOLOGICAL INFORMATION**

No information available for the product.

**13 - DISPOSAL CONSIDERATIONS****Waste treatment methods:**

Unusable waste of the product be disposed of as hazardous waste. Contaminated packages must be burnt in an incineration plant or handled by a company authorised for dangerous waste disposal.

**14 TRANSPORT INFORMATION**

DOT shipping name	Not-regulated
DOT hazard class	Not-regulated
UN number	N/A
Sea transport IMDG/GGV sea class	N/A
UN number	N/A
MFGA number	N/A
EmS number	N/A
Air transport ICAO-Ti and	N/A
IAT A-DGR class	Not-regulated
UN number	N/A

**15 - REGULATORY INFORMATION**

**Labelling according to EU guidelines:**

The product has not been classified and marked in accordance with EU Directives / respective national laws.

**Special labelling of certain preparations:**

Safety data sheet available for professional user on request

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***16 - OTHER INFORMATION***

The above information applies to customer packages unless stated otherwise, and fully expresses our current knowledge and experience. The product is assumed for use at worksites corresponding to its designation, and the instructions on the enclosed instruction sheet as well as the standard labour safety regulations for the handling of chemical products are assumed to be adhered to.