

SECTION 1: Identification of the substance/preparation and of the company/undertaking

1.1- Product Identification

Product Name : Etching Gel / Etching Gel Value Pack / Etching Gel Big Pack
Product Code : EGS / EGV / EGB
Product Description : 37% orthophosphoric acid-based gel.
Packing Available : 3ml / 25ml / 50ml

1.2- Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses : 37% orthophosphoric acid-based gel for enamel etching. Used by dental professional only. For dental use only.

1.3- Details of the supplier of the safety data sheet

Manufacturer : Prime Dental Products Pvt Ltd.
Address : Plot No. A-148, Road No. 24, MIDC, Wagle Industrial Estate, Thane (West)-400604, Maharashtra, India
Email : info@prime-dental.in
Web : www.prime-dental.in

1.4- Emergency contact details

Telephone : +919272235922 / +919272235925

SECTION 2: Composition/information on ingredients

2.1- Mixture

Component	C.A.S.	EINECS	Classification*	Weight%	LD50
Phosphoric Acid	7664-38-2	231-633-2	H290, H302, H314, H315, H318, H319	<40%	Rat: Oral - 1530 mg/kg

*For wording of the listed 'R' phrases and 'H' statements see section 16

SECTION 3: Identification of Hazards

3.1- Hazard Components : Phosphoric Acid

3.2- Information concerning to particular hazards to man and environment

The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

On Skin: May cause skin irritation

On Eyes: May cause irritation

By Accidental Ingestion: Harmful if ingested

By Inhalation: May cause irritation

SECTION 4: First aid measures

4.1- Description of first aid measures

Contact with skin: Wash with soap and water. Get medical attention if irritation develops or persists.

Contact with eyes: Flush eyes with plenty of water for atleast 15 minutes. Get medical attention, if irritation persists.

Ingestion: Give a glass of water or milk. DO NOT induce vomiting. Consult a physician if ingested in large amounts.

Inhalation: Supply fresh air. Get medical attention if uncomfortable

SECTION 5: Fire-Fighting Measures

5.1- Recommended extinguishers: Water, CO₂ or dry chemical, alcohol resistant foam.

5.2- Risks arising from combustion: Phosphine, oxides of phosphorous, hydrogen gas

5.3- Protective equipment: Wear self-contained respiratory protective device.

SECTION 6: Accidental Release Measures

6.1 Measures for personal safety: Wear protective equipment. Keep unprotected person away.

6.2 Measures for environmental protection: Do not allow product to reach sewage system or any water courses.

6.3 Measures for cleaning/collecting: Absorb with inert damp, non-combustible material, then flush area with water. Ensure adequate ventilation.

SECTION 7: Handling and Storage

7.1- Handling product: Is intended for dental use only.

7.2- Information for safe handling: No special measures required. Observe normal care for working with chemicals.

7.3- Information about fire and explosion protection: No special measures required.

7.4- Storage requirements to be met by storerooms and receptacles: Store only in the original receptacle.

7.5- Information about storage in one common storage facility: Not required.

7.6- Further information about storage conditions: Protect from heat and direct sunlight and exposure to light.

SECTION 8: Exposure Controls/Personal Protection

8.1- Additional information about design of technical facilities: No further data; see section 7.

8.2- Ingredients with limit values that require monitoring at the workplace: None

8.3- Personal protective equipment:

a. Respiratory protection : Exposure under intended use no special precaution is required.

b. 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.

c. Eye protection : Safety glasses

d. Body protection : Protective work clothing

SECTION 9: Physical and Chemical Properties

9.1- Physical Properties:

Form : Thixotropic gel

Color : Mild blue

Odour : None

9.2- Chemical Properties:

Melting point/Melting range : Undetermined

Boiling point/Boiling range : Undetermined

Ignition temperature : Undetermined

Flash point : Not applicable

pH : 1.0

Self-igniting : Product is not self-igniting.

Danger of explosion : Product does not present an explosion hazard.

Density : 1.1 g/ml

Solubility in / Miscibility with Water : Partly soluble

SECTION 10: Stability and Reactivity

10.1- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications. Avoid strong bases, metals, excess heat, exposure to moist air or water.

10.2- Dangerous reactions: No dangerous reactions known

10.3- Dangerous decomposition products: Phosphine, oxides of phosphorous, hydrogen gas

10.4- Avoid: Exposure to heat and direct sunlight/light

SECTION 11: Stability and Reactivity

11.1- Acute toxicity-

On the skin

: May cause skin irritation

On the eye

: May cause irritating effect.

Sensitization

: May be possible through skin contact.

SECTION 12: Ecological Information

12.1- Environmental data: Do not allow to enter sewers or drains that may lead to waterways. No further data available. Contact Env. Dept.

SECTION 13: Disposal Consideration

13.1- Product Recommendation: Dispose of contents/ container in accordance with the local/regional/national/international regulations. Incinerate in a permitted waste incineration facility.

SECTION 14: Transport Information

14.1- Air (ICAO/IATA)

Primary Hazard Class/Division : No classification

14.2- Road (RID/ADR)

Primary Hazard Class/Division : No classification

14.3- Vessel (IMO/IMDG/RID/ADR)

Primary Hazard Class/Division : No classification

SECTION 15: Regulatory Information

15.1- Safety, health and environmental regulations/legislation specific for the substance or mixture

General comments : Please refer to Medical Devices Directive 93/42/EEC.

15.2- Chemical safety assessment : See Section 11

SECTION 16: Additional Information

16.1- 'R' phrases and 'H' statement:

H290: May be corrosive to metals.

H302: Harmful if swallowed.

H314: Causes severe skin burns and eye damage.

H315: Causes skin irritation.

H318: Causes serious eye damage.

H319: Causes serious eye irritation.

16.2- Prepared by: Tanay Thakkar

16.3- Manufacturer Disclaimer: For Dental Use Only, Use as directed.

The information and recommendations are taken from sources (raw material MSDS(s) and manufacturer's knowledge) believed to be accurate; however, Prime Dental Products Pvt Ltd, makes no warranty with respect to the accuracy of the information or the suitability of the recommendation and assumes no liability to any user thereof. Each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.
