

### Section I - IDENTIFICATION

**Product Name:** Enamel Conditioner Solution

Common Name: Adhesive Accessories

Material: 37% Phosphoric acid Solution

**Recommended Use:** TP Orthodontics' products are intended for use in orthodontic treatment.

Restrictions on Use: TP Orthodontics' products are intended for use by trained dental professionals and

orthodontists, who have the primary responsibility to identify any possible

contraindications that may preclude the use of this product. U.S. Federal law restricts

this device to sale by or on the order of a dental professional.

**Product Manufacturer:** TP Orthodontics, Inc.

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La Porte, IN 46350-9672 USA

Phone: 800-348-8856 Hours: M-Th 7a-4:30p Fax: 219-324-3029

Internet: www.tportho.com

**Emergency Number**: 800-348-8856

Available during normal business hours: Monday-Thursday 7am to 5pm CST and

Friday 7am to 12pm CST



#### Section II - HAZARD IDENTIFICATION

<u>General Hazard Statement:</u> This SDS has been prepared in accordance with the U.S. OSHA Hazard Communication Standard, which requires the inclusion of known hazards of the product or ingredients regardless of the potential risk. The risks of the hazards communicated in this document may vary depending on the potential and type of exposure.

#### Pictograms:





Signal word:

Danger

Warning

#### Classification of the substance or mixture:

GHS Classification in accordance with 29 CFR 1910.1200 (OSHA HCS)

Corrosive to metals (Category 1) H290
Acute toxicity (Category 4, Oral) H302
Skin corrosion (Category 1B) H314
Serious eye damage (Category 1) H318

#### **Hazard statements:**

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

H402 - Harmful to aquatic life

H412 - Harmful to aquatic life with long lasting effects

# **Precautionary statements:**

P264 -- Wash hands thoroughly after handling

P270 -- Do not eat, drink or smoke when using this product

P280 -- Wear protective gloves, eye protection, face protection

P301+P330+P331 -- If swallowed: rinse mouth. Do NOT induce vomiting

P303+P361+P353 -- If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower

P305+P351+P338 -- If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P321 -- Specific treatment (see First aid measures on this label)

P363 -- Wash contaminated clothing before reuse

P332+P313 – If skin irritation occurs, get medical advice/attention

P337+P313 – If eye irritation persists, get medical advice/attention

P501 -- Dispose in a safe manner in accordance with local/national regulations.

Hazards not otherwise classified (HNOC) or not covered by GHS: none

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#### Section III - COMPOSITION/ INFORMATION ON INGREDIENTS

Mixtures: \*

Ingredient(s)	CAS No.	EC No.	Wt. %**
Igepal® CO-520	68412-54-4	500-024-6	<1
Tetrapotassium pyrophosphate	7320-34-5	233-338-4	<1
Phosphoric acid, conc.=85%	7664-38-2	616-646-7	35-45

<sup>\*</sup>No minor components need to be disclosed according to the applicable regulations.

#### Section IV - FIRST-AID MEASURES

**Skin:** Take off contaminated clothing and immediately wash skin with soap and water. If

signs/symptoms develop, get medical attention. Wash clothing before reuse.

**Eyes:** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Remove contact lenses if easy to do and continue rinsing.

**Ingestion:** Do not induce vomiting. Never give anything by mouth to an unconscious person.

Rinse mouth with water. Consult a physician.

**Inhalation:** Move into fresh air. If breathing difficulty occurs, get prompt medical attention.

#### Section V - FIRE-FIGHTING MEASURES

Flash Point and Method: NA

Flammability Limits: NA

**Auto-ignition Temperature: NA** 

Melting Point: NA

**General Hazard:** Not combustible in the shipped form

Firefighting Instructions: No special instructions for product shipped

Firefighting Equipment: No special equipment for product as shipped

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<sup>\*\*</sup>The exact weight percentages of this composition have been withheld as a trade secret. Other ingredients in the composition are deemed non-hazardous in the final mixture.



**Combustion Products:** No hazardous decomposition products are expected

### Section VI - ACCIDENTAL RELEASE MEASURES

**General:** Avoid release to the environment. Prevent soil and water pollution. Prevent entry to

sewers and public waters. Notify authorities if liquid enters sewers or public waters.

#### Section VII - HANDLING AND STORAGE

**Storage Temperature:** Store at room temperature.

Storage Pressure: Not applicable.

General Storage: Keep product in a dry and well-ventilated place. Incompatible with strong bases and

acids. Store out of direct sunlight.

### Section VIII - EXPOSURE CONTROLS/ PERSONAL PROTECTION

#### **Control Parameters**

Phosphoric acid, conc.=85% (7664-38-2)

Authority Type Limit Source of Exposure Limit Data:

ACGIH TWA 1 mg/m³ ACGIH: American Conference of Governmental Industrial

ACGIH STEL 3 mg/m³ Hygienists

OSHA TWA 1 mg/m³ OSHA: Occupational Safety and Health Administration

OSHA STEL 3 mg/m³ TWA: Time Weighted Average

STEL: Short Term Exposure Limit

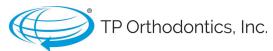
#### **Personal Protection Equipment**

**Eyes**: Safety glasses recommended. Use equipment for eye protection tested and

approved under appropriate government standards such as NIOSH (US) or EN

166(EU).

**Skin:** Gloves recommended when handling.



# Section IX - PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Green liquid
Odor	Slight acidic odor
Physical State	Viscous liquid
рН	0-1
Melting/Boiling Point	N/A
Flash Point	N/A
Evaporation Rate	N/A
Flammability	N/A
Vapor Pressure	N/A
Vapor Density	N/A
Relative Density	N/A
Solubility in water	Water soluble
Auto-ignition Temp	N/A
Decomposition Temp	N/A
Viscosity	250-350 cps

### Section X - STABILITY AND REACTIVITY

**Stability:** Stable under recommended storage conditions.

**Reactivity:** No data available.

**Incompatible Material:** Strong bases, powdered metals.

**Conditions to Avoid:** Direct sunlight. Extreme high or low temperatures.

#### Section XI - TOXICOLOGICAL INFORMATION

# **Acute toxicity**

Not classified

#### Skin corrosion/irritation

Causes severe skin burns and eye damage

### Serious eye damage/eye irritation

Causes serious eye damage

#### Respiratory or skin sensitization

Not classified

#### Germ cell mutagenicity

Not classified

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#### **Additional information**

Product is destructive to mucous membrane and upper respiratory tissues, eyes, and skin. Serious health hazard if swallowed.

### Section XII - ECOLOGICAL INFORMATION

### **Toxicity**

Phosphoric acid, conc=85% (7664-38-2)

LC50 fish 1	138 mg/l (96 h; Pisces; Pure substance)
LC50 other aquatic organisms 1	100 - 1000 mg/l (96 h; Protozoa; Pure substance)
LC50 fish 2	100 - 1000 mg/l (Pisces; Pure substance)
LC50 other aquatic organisms 2	240 mg/l (Pure substance)
TLM fish 1	138 ppm (24 h; Gambusia affinis; Pure substance)
Threshold limit other aquatic organisms 1	100 - 1000,96 h; Protozoa; Pure substance
Threshold limit other aquatic organisms 2	240 mg/l (Pure substance)

Igepal® CO-520

### Section XIII - DISPOSAL CONSIDERATIONS

**General:** Safely dispose in accordance with local/national regulations. Adhesive may be cured

prior to disposal by exposing to ambient light.

### **Section XIV – TRANSPORTION INFORMATION**

**Department of Transportation (DOT) Hazard Class:** 8 – Class 8 – Corrosive material 49 CFR 173.136

Hazard label (DOT): 8-Corrosive



Packing group (DOT): III-Minor Danger



#### Section XV - REGULATORY INFORMATION

TSCA (Toxic Substances Control Act):

Not Applicable

CERCLA (Comprehensible Response & Liability Act):

Not Applicable

SARA Title III (Superfund Amendments & Reauthorization Act):

311/312 Hazardous Categories – Acute health hazard, chronic health hazard.

313 Product Ingredients – This product does not contain any chemical components with known CAS numbers that exceed the threshold reporting levels established by SARA Title III, Section 313.

California Safe Drinking Water Act (Prop 65) listing: This product contains a chemical known to the State of

California to cause birth defects or other reproductive harm.

Chemical NameCAS No.Revision DateEthylene oxide75-21-82009-02-01

#### Section XVI - OTHER INFORMATION

**HMIS Rating:** 

Health hazard: 3 Serious hazard – Major injury likely unless prompt action is taken and medical

treatment is given.

Flammability: **0** Minimal hazard Physical hazard: **0** Minimal hazard

NFPA Rating:

Health hazard: 3 Short-term exposure could cause serious temporary or residual injury even

though prompt medical attention was given.

Fire hazard: **0** Materials that do not burn.

Reactivity hazard: **0** Normally stable, even under fire exposure conditions, and are not reactive

with water.

#### Full text of H-Statements referred to under Section 2:

Skin Irrit. 2 Skin corrosion/irritation Category 2

Eye Irrit. 2A Serious eye damage/eye irritation Category 2A

Aquatic Acute 3
Aquatic Chronic 3
Aquatic Chronic 3
Metal Corr. 1
Acute Tox. 4 (Oral)
Skin Corr. 1B
Eye Dam. 1
Aquatic Acute 3
Acute aquatic toxicity Category 3
Chronic aquatic toxicity Category 3
Corrosive to metals Category 1
Acute toxicity (oral) Category 4
Skin corrosion Category 1B
Serious eye damage Category 1
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
H402	Harmful to aquatic life
H412	Harmful to aquatic life with long lasting effects

All the information is collected from Supplier certificate of analysis, manufacturing process, technical files and known history from 70 years of experience and is believed to be correct as of the date issued.

By supplying above information, TP Orthodontics, Inc. assumes no legal responsibility of any kind for the accuracy, completeness, or use of the data supplied as well as the product mentioned in the foreclosure