



**English** Black phosphoric acid etchant H<sub>3</sub>OPO<sub>4</sub> 40%

**310052** 25 Syringes **310054** 15 Syringes, 50 Needles  
**310053** 6 Syringes, 30 Needles **310055** 15 Syringes, 100 Needles

- 1) Remove cap from syringe and screw on a disposable needle.
- 2) Squeeze etchant from syringe into mixing well or pad.
- 3) Transfer etchant to tooth surface with a Benda® Brush or other applicator.
- 4) Let stand on tooth surface for 15 seconds. Rinse off with water and high volume suction.
- 5) Dry gently. Tooth surface should appear dull. If not, repeat above steps.
- 6) Remove needle, re-cap and disinfect syringe barrel.

CAUTION: Onyx™ contains 40% phosphoric acid. Avoid contact with skin, eyes, or oral mucosa.

In case of contact, flush with water and get medical attention.

**Dansk** Sort fosforsyre ætsemiddel H<sub>3</sub>OPO<sub>4</sub> 40%

**310052** 25 sprøjter **310054** 15 sprøjter, 50 kanyler  
**310053** 6 sprøjter, 30 kanyler **310055** 15 sprøjter, 100 kanyler

- 1) Tag hæften af sprøjten og skru en engangskanyle på.
- 2) Tryk ætsemiddel fra sprøjten ned i blandingskålen eller ud på pladen.
- 3) Overfør ætsemiddel til tandfladen med en Benda® pensel eller en anden applikator.
- 4) Lad det sidde på tandoverfladen i 15 sekunder. Skyl med vand og højvolumen sugning.
- 5) Tør forsigtigt. Tandfladen skal se mat ud. Hvis dette ikke er tilfældet, skal ovenstående trin gentages.
- 6) Tag kanylen af, sæt hæften på igen og desinficér sprøjtecyklinderen.

FORSIGTIG: Onyx™ indeholder 40% fosforsyre. Undgå kontakt med hud, øjne eller mundens slimhinder.

Hvis det kommer i kontakt, skal der skylles med vand og søges lægehjælp.

**Nederlands** Zwart etsmiddel met fosforzuur H<sub>3</sub>OPO<sub>4</sub> 40%

**310052** 25 sprøjter **310054** 15 injectiespuiten, 50 naalden  
**310053** 6 sprøjter, 30 kanyler **310055** 15 injectiespuiten, 100 naalden

- 1) Neem de dop van de injectiespuit en schroef de wegwerpbare naald erop.
- 2) Druk het etsmiddel uit de injectiespuit in de mengput of het kussentje.
- 3) Draag het etsmiddel over op het tandoppervlak met een Benda® borstel of andere applicator.
- 4) 15 seconden lang op het tandoppervlak laten staan. Afspoelen met water en hoog-volume afzuiging.
- 5) Voorzichtig afdrogen. Het tandoppervlak moet er dof uitzien. Als dit niet het geval is, dient u de bovenstaande stappen opnieuw te volgen.
- 6) Verwijder de naald, desinfecteer de cilinder van de injectiespuit en doe de dop er weer op.

WAARSCHUWING: Onyx™ bevat 40% fosfoszuur. Aanraking met de huid, ogen of mondslijmvliezen vermijden.

Indien dit toch gebeurt, met water afspelen en een arts raadplegen.

**Italiano** Acido fosforico nero mordenzante H<sub>3</sub>OPO<sub>4</sub> 40%

**310052** 25 siringhe **310054** 15 siringhe, 50 aghi  
**310053** 6 siringhe, 30 aghi **310055** 15 siringhe, 100 aghi

- 1) Rimuovere il tappo dalla siringa ed avvitare su di essa un ago monouso.
- 2) Iniettare l'agente mordenzante in un pozzetto per miscelazione o su un tampone.
- 3) Trasferire l'agente mordenzante sulla superficie del dente con una spazzola Benda® o con un altro applicatore.
- 4) Lasciar agire l'agente sulla superficie del dente per 15 secondi. Sciacquare con acqua ed aspirare ad alta intensità.
- 5) Asciugare delicatamente. La superficie del dente dovrebbe apparire opaca. In caso contrario, ripetere i passi precedenti.
- 6) Rimuovere l'ago, ritappare la siringa e disinfectare il cilindro della siringa stessa.

ATTENZIONE: ONYX™ contiene acido fosforico al 40%. Evitare il contatto con la pelle, gli occhi o la mucosa orale.

In caso di contatto, lavare con acqua e medicare in modo appropriato.

**Français** Décapant à l'acide phosphorique noir H<sub>3</sub>OPO<sub>4</sub> à 40%

**310052** 25 seringues **310054** 15 seringues, 50 aiguilles  
**310053** 6 seringues, 30 aiguilles **310055** 15 seringues, 100 aiguilles

- 1) Retirez le bouchon de la seringue et vissez-le sur une aiguille jetable.
- 2) Faites sortir le décapant de la seringue sur un récipient à mélanger ou sur un morceau de gaze.
- 3) Transférez le décapant sur la surface de la dent à l'aide d'une brosse Benda® ou d'un autre applicateur.
- 4) Laissez reposer sur la surface de la dent pendant 15 secondes. Rincez à l'eau et une très grande suction.
- 5) Séchez doucement. La surface de la dent devrait avoir un aspect mat. Si ce n'est pas le cas, recommencez les étapes précédentes.
- 6) Retirez l'aiguille, rebouchez et désinfectez le corps de la seringue.

ATTENTION : ONYX™ contient 40% d'acide phosphorique. Évitez tout contact avec la peau, les yeux ou les muqueuses buccales. En cas de contact,

rincez à l'eau et consultez un médecin.

**Portuguese** Gravador de ácido fosfórico preto H<sub>3</sub>OPO<sub>4</sub> 40%

**310052** 25-seringas **310054** 15-seringas, 50 agulhas  
**310053** 6 seringas, 30 agulhas **310055** 15-seringas, 100 agulhas

- 1) Remova a tampa da seringa e encaixe a agulha descartável.
- 2) Aperte o gravador da seringa dentro do recipiente de mistura ou bloco.
- 3) Transfira o gravador para a superfície do dente com a escova Benda® ou outro aplicador.
- 4) Deixe permanecer na superfície por 15 segundos. Enxágue com água e sucção em alto volume.
- 5) Seque gentilmente. A superfície do dente deve ficar com aparência opaca. Caso contrário, repita as etapas acima.
- 6) Remova a seringa, volte a tampar e desinfete o cilindro da seringa.

AVISO: Onyx™ contém 40% de ácido fosfórico. Evite contato com a pele, olhos ou mucosa oral.

Em caso de contato, lave com água e procure assistência médica.

**Español** Gravador de ácido fosfórico negro H<sub>3</sub>OPO<sub>4</sub> 40%

**310052** 25 Jeringas **310054** 15 Jeringas, 50 agujas  
**310053** 6 Jeringas, 30 Agujas **310055** 15 Jeringas, 100 agujas

- 1) Quite la tapa de la jeringa y atornille una aguja desechable.
- 2) Presione el gravador fuera de la jeringa dentro del vaso o recipiente de mezclado.
- 3) Transfiera el gravador a la superficie del diente con un pincel Benda® u otro aplicador.
- 4) Déjelo sobre la superficie del diente durante 15 segundos. Enjuague con agua y con una succión de alto volumen.
- 5) Seque suavemente. La superficie del diente debe aparecer empañada. Si no aparece así, repita los pasos anteriores.
- 6) Quite la aguja, vuelva a tapar y desinfete el cilindro de la jeringa.

PRECAUCION: Onyx™ contiene 40% de Ácido fosfórico. Evite el contacto con la piel, los ojos, o la mucosa bucal.

En caso de contacto, enjuague con agua y obtenga atención médica.

**Svenska** Svart etsmedel med fosforsyra H<sub>3</sub>OPO<sub>4</sub> 40%

**310052** 25-sprutor **310054** 15-sprutor, 50 kanyler  
**310053** 6 sprutor, 30 kanyler **310055** 15-sprutor, 100 kanyler

- 1) Ta av hatten på sprutan och skruva fast engångskanylen.
- 2) Spruta ut etsmedlet i blandningskopp eller på platta.
- 3) Överför etsmedlet till tandytan med en Benda® pensel eller annan applikator.
- 4) Låt etsmedlet verka på tandytan i 15 sekunder. Skölj av med vatten och starkt sug.
- 5) Torka varsamt. Tandytan skall vara matt. Är så ej fallet skall ovanstående steg utpreparas.
- 6) Avlägsna kanylen, sätt tillbaka hatten och sterilisera sprutkolven.

OBS! Onyx™ innehåller 40% fosforsyra. Undvik beröring med hud, ögon och munslimhinnan.

Inträffar beröring skall sköljning utföras med vatten och läkare tillkallas.

**Deutsch** Ätzgel für die Dentin- und Schmelzätzung 40%ige Phosphorsäure

**310052** 25 Spritzen à 1,5 ml **310054** 15 Spritzen, 50 Kanülenansätze  
**310053** 6 Spritzen, 30 Kanülenansätze **310055** 15 Spritzen, 100 Kanülenansätze

- 1) Schraubverschluss von der Spritze entfernen und Einmalkanüle aufsetzen
- 2) Ätzgel auf einen Mischblock dosieren
- 3) Ätzgel mit einem Pinsel (z.B. BendaBrush) auf die zu ätzende Oberfläche bringen.
- 4) Ätzgel 15 sec. einwirken lassen. Danach gründlich abspülen und absaugen.
- 5) Oberfläche im mäßigen Luftstrom trocknen. Erscheinungsbild jetzt milchig weiß. Falls nicht, Ätzvorgang wiederholen.
- 6) Kanülenansatz entfernen, Drehverschluss wieder aufsetzen und Gelspritze desinfizieren.

Achtung: Onyx™ enthält 40%ige Phosphorsäure. Kontakt mit Haut, Augen oder Schleimhaut vermeiden.

Nötigenfalls mit reichlich Wasser spülen und Arzt aufsuchen.

# SAFETY DATA SHEET (SDS)

In accordance with Hazard Communication Standard (HCS), 29CFR 1910.1200(g), 2012 revision

## SECTION I - PRODUCT / COMPANY IDENTIFICATION

Product Trade Name: Onyx, Etching Gel  
Synonyms: 40% Phosphoric Acid etching gel  
Part (Item) Number: 310053, 310054, 310055, 310052  
Application: Etching gel for dental restorations  
Manufacturer: Centrix Inc.  
Address: 770 River Road  
City, State, Zip: Shelton Ct, 06484  
Emergency Telephone Number: 203-929-5582  
Information Telephone Number: 800-235-5862

## SECTION II - HAZARD IDENTIFICATION

### Classification of the Substance or Mixture:

Acute toxicity, Oral (Category 4) Acute toxicity, Inhalation (Category 2)  
Acute toxicity, Dermal (Category 5) Skin corrosion (Category 1B)  
Serious eye damage (Category 1)

### Risk Phrases:

Symbol: C R34: Causes burns.

### Label Elements:



Trade Name: PHOSPHORIC ACID

Signal Word: Danger

### Hazard Statements:

H302: Harmful if swallowed.  
H313: May be harmful in contact with skin.  
H314: Causes severe skin burns and eye damage.  
H330: Fatal if inhaled.

### Precautionary Statements:

P260: Do not breathe dust / fume / gas / mist / vapors / spray.  
P280: Wear protective gloves / protective clothing / eye protection / face protection.  
P284: Wear respiratory protection.  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.  
P310: Immediately call a POISON CENTER or doctor / physician

## SECTION III - COMPOSITION / INFORMATION ON INGREDIENTS

**Hazardous Components:** Phosphoric Acid Concentration: 40%  
**CAS No.:** 7664-38-2 **EC Number:** 231-633-2  
**Index Number:** 015-011-00-6 **Molecular Weight:** 98 g/mol

## SECTION IV - FIRST AID MEASURES

Skin: Immediately wash skin with plenty of water.  
If irritation occurs seek medical advice.  
Ingestion: If swallowed do not induce vomiting. Give large quantities of water and milk.  
Seek medical attention.  
Eyes: Flush with plenty of water.  
Seek immediate medical attention by an Ophthalmologist.

## SECTION V - FIRE-FIGHTING MEASURES

The product is not considered to be a fire hazard. The information below are given for extinguishing a fire generated by other sources.  
Suitable Extinguishing Media: Water, Chemical Foam, Carbon Dioxide, or Dry Chemical  
Forbidden Extinguishing Media: None.  
Special Exposure Hazards: Toxic fumes of Phosphoric Acid.  
Unusual fire and explosion hazards: Contact with some metals may cause formation of hydrogen gas.  
Special Protection Equipment: Self Contained Breathing Apparatus if toxic fumes are generated.

## SECTION VI - ACCIDENTAL RELEASE MEASURES

Personal Precautions: See sections VII and VIII.  
Environmental Precautions: None.  
Methods for Cleaning up: Clean up using impervious gloves and dispose of in an approved manner.

## SECTION VII - HANDLING AND STORAGE

Handling: Avoid unnecessary exposure.  
Storage: Room Temperature.  
Containers: Supplied by manufacturer.  
Incompatibility: Strong caustics, sulfites, sulfides and metals.  
Other Precautions: Use according to directions.  
Avoid contact with eyes, skin and soft tissue.

## SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION

General Measures Ventilation: N/A Limits: TWA: 1 mg/m<sup>3</sup>; TLV: 3 mg/m<sup>3</sup>.  
Respiratory Protection: N/A Eye Protection: Safety Glasses or Goggles.  
Skin Protection: Respect good personal hygiene practice.  
Avoid unnecessary exposure. Hands Protection: Impervious gloves  
Other Equipment: Lab Coat.

## SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Gel Explosion Limits: zN/A  
Odor: None Water solubility: Soluble.  
pH 10% solution: below 2 Specific Gravity: 1.3 g/cm<sup>3</sup>  
Boiling Point: 100°C Evaporation Rate: N/A  
Flash Point: N/A

## SECTION X - STABILITY AND REACTIVITY.

Stability: Stable. Conditions to avoid: Temperatures over 40°C  
Materials to avoid: Strong Caustics, Sulfites, Sulfides, Metals.  
Hazardous Decomposition Products: Toxic fumes if temperature is above 100°C.  
Hazardous Polymerization Products: None

## SECTION XI - TOXICOLOGICAL INFORMATION.

Ingestion: May cause sore throat, abdominal pain, nausea and severe burns of mouth, throat and stomach.  
Eye contact: May cause redness, pain, blurred vision, eye burns or permanent eye damage.  
Skin Contact: May cause redness, pain and severe skin burns.  
Inhalation: Inhalation is not a hazard unless the product is heated at high temperatures. In these conditions may cause irritation of the respiratory system, asphyxia or permanent damage to the lungs.  
Prolonged Exposure: Burns to eye, soft tissue or respiratory tract.

## SECTION XII - ECOLOGICAL INFORMATION.

There is no specific information on the product. Use according to good working practice. Avoid releasing the product into environment.

## SECTION XIII - DISPOSAL CONSIDERATIONS.

Dispose in accordance with local authorities.

## SECTION XIV - TRANSPORT INFORMATION.

Substances determining Hazard: Phosphoric Acid.  
SEA TRANSPORTATION: IMCO # 8204 UN # 1805  
AIR TRANSPORTATION: ICAO/IATA CLASS: 8  
GROUND TRANSPORTATION: RID/ADR CLASS: 9  
SUBSTANCE IDENTIFICATION: # 1805 ITEM # 11C  
HAZARD LABEL: 9  
HAZARD IDENTIFICATION: 80

## SECTION XV - REGULATORY INFORMATION

Hazard Classification Symbol: C R34 Causes burns  
S24/S25 Avoid contact with skin and eyes  
S26/S28 In case of contact with eyes or skin, rinse immediately with plenty of water and seek medical advice.

## SECTION XVI - OTHER INFORMATION

Product handling exclusively by dental specialists per instructions for use.

**CAUTION:** The above information is based on presently available data and to our best knowledge for handling the product under normal conditions. Any use of this product in any way not indicated on this document or using it together with any other process/procedure will be exclusively under the user's responsibility.



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