

SAFETY DATA SHEETS

This SDS packet was issued with item:

071894617

The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).

071894591 071894682

40% Phosphoric Acid Etching Gel

SECTION I - PRODUCT / COMPANY IDENTIFICATION

Product Trade Name: Onyx, Etching Gel
Part (Item) Number: 310053, 310054, 310055, 310052
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 - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Components: Phosphoric Acid **Concentration:** 40% **CAS NO.** (7664-38-2) **Symbol:** C **R:** 34 **OTHER LIMITS**

SECTION III - HAZARDS IDENTIFICATION

HAZARD CLASSIFICATION: Corrosive

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, Incompatibilities, 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: 1mg/m³.
TLV: 3mg/m³.
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 ³	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 according to local regulations.

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

CLASSIFICATION IN ACCORDANCE WITH EEC DIRECTIVES.
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.
Ingredients Determining the label: PHOSPHORIC ACID.

SECTION XVI - OTHER INFORMATION

None.

CAUTION: PRODUCT FOR PROFESSIONAL USE ONLY.

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.

Products covered by one or more of the following U.S. patents: 4,802,950. Other U.S and International patents pending or granted.



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CENTRIX INCORPORATED
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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
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 is given for extinguishing a fire generated by other sources.
Suitable Extinguishing Media: Water, Chemical Foam, Carbon Dioxide, or Dry Chemical
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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, 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/m3; TLV: 3 mg/m3.
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 N/A
Odor: None Water solubility: Soluble.
pH 10% solution: below 2 Specific Gravity: 1.3 g/cm3
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.
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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.
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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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