14.3. Transport hazard class(es)
Primary hazard class/division: 8
Hazard classification: 8

14.4. Packing group
Packing group: III

14.5. Environmental hazards
Marine pollutant #1: N/A

14.6. Special precautions for user
ADR - road: N/A
RID - rail: N/A
IMDG - sea: N/A
IATA - air: N/A

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
Transport in bulk: N/A

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
RoHS: Please refer to Medical Devices Directive 93/42/EEC

15.2. Chemical safety assessment
Chemical safety assessment: See Section 11
Additional information: IARC has identified cobalt and cobalt compounds as "possibly carcinogenic" as a group, however IARC did not specifically identify the cobalt compound in this product as a possible carcinogen.
OSHA- Select Carcinogens: Present

15.3. US State Regulations
California Proposition 65: This product does not contain any chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

SECTION 16: Other information

Relevant R-phrases and/or H-statements (number and full text):
R22: Harmful if swallowed.
R34: Causes burns.
R36/37/38: Irritating to eyes, respiratory system and skin.
Eye Irr., Cat. 2: Eye Irritation, Category 2
STOT SE, Cat. 3: Target Organ Toxicity (Single exposure), Category 3
Skin Corr., Cat. 1B: Skin Corrosion, Category 1B
Skin Irr., Cat. 2: Skin Irritation, Category 2
H314: Causes severe skin burns and eye damage.
H315: Causes skin irritation.
H319: Causes serious eye irritation.
H335: May cause respiratory irritation.

Prepared by: Peter G Jordan

Revision summary: This SDS replaces the 12/17/2014 SDS. Revised: Section 1: GENERAL USE, MSDS No. Section 2: . Section 4: INGESTION, INHALATION, NOTES TO PHYSICIAN, SIGNS AND SYMPTOMS OF OVER EXPOSURE (INHALATION). Section 5: EXPLOSION HAZARDS, FIRE EXPLOSION, FIRE FIGHTING EQUIPMENT, HAZARDOUS COMBUSTION PRODUCTS, SENSITIVE TO STATIC DISCHARGE, SENSITIVITY TO IMPACT. Section 7: STORAGE, . Section 8: PERSONAL PROTECTIVE EQUIPMENT (RESPIRATORY). Section 10: HAZARDOUS POLYMERIZATION, STABLE. Section 11: ACUTE (ORAL LD50 (rat), INHALATION LC50 (rat) ACUTE. Section 12: ECOTOXICOLOGICAL INFORMATION. Section 15: SECTION 15: Regulatory information.

General statements: N/A= Not Applicable

Manufacturer disclaimer: FOR DENTAL USE ONLY: Use as directed. The information and recommendations are taken from sources (raw material SDS(s) and manufacturer's knowledge) believed to be accurate; however, the manufacturer, 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.

CAUTION: U.S. Federal law restricts this device to sale by, or on the order of, a dentist.

Max Etch

35% Phosphoric Acid

INSTRUCTIONS FOR USE

Date of issue: April, 2019
Date of revision: June 25, 2021

Max Etch is a 35% phosphoric acid etchant solution with an optimum viscosity. The flowability allows precise placement, including occlusal grooves, yet is viscous enough to prevent migration. Max Etch is self-limiting in its depth of etch (average depth of 1.9µ with 15 second etch). This etchant contains no glycerin and is designed for rapid and complete removal upon rinsing.

INDICATIONS FOR USE

Used for etching enamel and dentin prior to applying bonding adhesives and placing composite restorations or dental sealants.

DIRECTIONS FOR USE

1. **FOR 5mL SYRINGE**
   a. Remove luer cap.
   b. Securely attach working tip of choice.
   c. Verify etchant flow prior to applying intraorally..
3. **DIRECT PLACEMENT INSTRUCTIONS**
   a. Isolate tooth (teeth).
   b. Use pumice, disk or diamond bur on uncut enamel.
   c. Rinse and dry prepared area.
   d. Verify etchant flow prior to applying intraorally.
   e. Apply etchant to enamel and dentin (15 seconds).
   f. Rinse thoroughly, dry and proceed per adhesive manufacturer's instructions.
4. **RESTORATIVE PHOSPHORIC ACID CLEANSING**
   a. Apply etch to inside of porcelain veneer or crown for 5 -10 seconds.
   b. Rinse and dry.

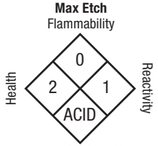
PRECAUTIONS AND WARNINGS

1. Carefully read and understand all instructions before using.
2. Keep out of the reach of children.
3. If product comes in contact with any soft tissue, IMMEDIATELY rinse area with copious amounts of water.
4. Near pulp exposures should be treated with a protective base prior to placing etchant.
5. Re-cap, disinfect and wipe syringe with an intermediate level disinfectant between uses. If syringe cover is used, remove tip, re-cap and discard syringe cover.
6. Dispose of tip and empty syringe properly.
7. Verify flow of all syringes prior to applying intraorally. If resistant is met, replace tip and recheck. Use only recommended tips. To avoid cross-contamination, do not re-use tips.
8. Store at room temperature.
9. Do not use after expiration date noted on the container.

Corrosive

Recommended storage temperature

Use by date



HAZARD RATING
4 = Severe
3 = Serious
2 = Moderate
1 = Slight
0 = Minimal

BRASSELER USA®

Distributed by
Brasseler U.S.A. Dental, LLC
One Brasseler Blvd
Savannah, GA 31419, U.S.A.

BRASSELER USA®

Max Etch

35% Phosphoric Acid

800.841.4522
BrasselerUSA.com

REV0

B-5503-C

Max Etch

35% Phosphoric Acid

SAFETY DATA SHEET

Date of issue: April, 2019
Date of revision: June 25, 2021

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

1.1. Product identifier
Product name: Max Etch 35% Phosphoric Acid
Product description: Phosphoric Acid dental etchant

1.2. Relevant identified uses of the substance or mixture and uses advised against
Relevant identified uses: Professional dental acid etching solution

1.3. Details of the supplier of the safety data sheet
Manufacturer/Distributor
Brasseler U.S.A. Dental, LLC
One Brasseler Blvd.
Savannah, GA 31419, U.S.A.
800-841-4522

1.4. Emergency telephone number
800-841-4522

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
Classification according to Directive 1999/45/EC: The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.
Danger symbols: C
R phrases: R34
Classification according to Regulation (EC) No 1272/2008 [CLP] Health: Skin Corrosion, Category 1B

2.2. Label elements
Classification according to Regulation (EC) No 1272/2008 [CLP]
Hazard pictogram(s):

Corrosive
Signal Word: DANGER
Hazard statement(s): H314: Causes severe skin burns and eye damage.
Precautionary statement(s)
Prevention: P280: Wear protective gloves/protective clothing/eye protection/face protection.
Response: P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P315: Get immediate medical advice/attention.
P302+P352: IF ON SKIN: Wash with plenty of soap and water.
P332+P313: If skin irritation occurs: Get medical advice/attention.
P360: Rinse immediately contaminated clothing and skin with plenty of water before removing clothes.
P363: Wash contaminated clothing before reuse.
P301: IF SWALLOWED:
P310: Immediately call a POISON CENTER or doctor/physician.
P330: Rinse mouth.
P331: Do NOT induce vomiting.
Storage: P273: Avoid release to the environment.
Disposal: P501: Dispose of in compliance with governmental regulations (EC 1975L0442-20/11/2003).

2.3. Other hazards
Immediate concerns: Corrosive. Will cause eye burns and permanent tissue damage.

SECTION 3: Composition/information on ingredients

3.1. Substances
Not Applicable

3.2. Mixtures

Chemical Name	CAS	EINECS No.	Wt.%	Classification according to Directive 67/548/EEC	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Phosphoric Acid	7664-38-2	231-633-2	< 40	C; R34	Skin Corr., Cat. 1B H314
Cobalt Aluminate blue spinel	1345-16-0	310-193-6	< 1	R36/37/38; R22	Skin Irr., Cat. 2; Eye Irr., Cat. 2; STOT SE, Cat. 3; H315; H319; H335

For full text of H-statements and R-phrases: see SECTION 16.

SECTION 4: First aid measures

4.1. Description of first aid measures
Following eyes: Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Have eyes examined and tested by medical personnel.
Following skin: Remove contaminated clothing. Wash with soap and water. Get medical attention.
Following ingestion: If swallowed, rinse mouth with water, Do NOT Induce Vomiting. Give victim a glass of water or milk. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.
Following inhalation: No specific treatment is necessary since this material is not likely to be hazardous by inhalation. If exposed to excessive levels of dusts or fumes, remove to fresh air and get medical attention if cough or other symptoms develop.

4.2. Most important symptoms and effects, both acute and delayed
Eyes: Causes severe eye burns.
Skin: Corrosive, causes skin burning.
Ingestion: Harmful if swallowed.
Inhalation: None expected for this product.

4.3. Indication of any immediate medical attention and special treatment needed
Notes to physician: Corrosive

SECTION 5: Firefighting measures

5.1. Extinguishing media
Extinguishing media: Please see Fire Fighting Equipment under Section 5.3.

5.2. Special hazards arising from the substance or mixture
Hazardous combustion products: Phosphine, oxides of phosphorous, hydrogen gas

5.3. Advice for firefighters
Firefighting procedures: General: Evacuate all personnel; use protective equipment for fire-fighting. Use self-contained breathing apparatus when the product is involved in fire. Firefighting equipment: The product is not combustible. Substance does not burn but may decompose upon heating to produce corrosive and/or toxic fumes. Keep product and empty container away from heat and sources of ignition. Use appropriate media for adjacent fire. Cool containers with water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
General procedures: Refer to Section 8 for Personal Protective Equipment.

6.2. Environmental precautions
Water spill: Do not allow to enter sewers or drains that may lead to waterways.

6.3. Methods and material for containment and cleaning up
Small spill: Clean up spills immediately, observing precautions in Protective Equipment section.
Large spill: Absorb with inert, damp non-combustible material, then flush area with water.

6.4. Reference to other sections
Reference to other sections: Not Applicable

SECTION 7: Handling and storage

7.1. Precautions for safe handling
General procedures: Avoid contact with eyes, skin and clothing.
Handling: Use suitable protective equipment.
Storage: See product labeling.

7.2. Conditions for safe storage, including any incompatibilities
Shelf life: See product labeling

7.3. Specific end use(s)
Specific end use(s): Professional dental acid etching solution

SECTION 8: Exposure controls / personal protection

8.1. Control parameters
Control parameters: Not Determined

8.2. Exposure controls
Eye/face protection: Wear eye protection
Skin protection: Wear suitable protective clothing and gloves.
Respiratory protection: Good general ventilation should be sufficient to control airborne levels. In case of insufficient ventilation, wear suitable respiratory equipment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties
Physical state: Gel
Color: Blue
Odor: Odorless or no characteristic odor
Solubility in water: Partially soluble in water.

9.2. Other information
Percent volatile: Not Determined

SECTION 10: Stability and reactivity

10.1. Reactivity
Reactivity: Stable

10.2. Chemical stability
Chemical stability: Stable when stored and handled under recommended conditions.

10.3. Possibility of hazardous reactions
Hazardous polymerization: None

10.4. Conditions to avoid
Conditions to avoid: Avoid strong bases, metals, excess heat, exposure to moist air or water.

10.5. Incompatible materials
Incompatible materials: Strong caustics, most metals.

10.6. Hazardous decomposition products
Hazardous decomposition products: Phosphine, oxides of phosphorous, hydrogen gas
Additional information: Reacts with bases to form phosphate salts and is corrosive (especially when hot) to many metals and alloys. Liberates explosive hydrogen gas when reacting with chlorides and stainless steel, and reacts violently with sodium tetrahydroborate. Forms flammable gases with sulfides, mercaptans, cyanides, and aldehydes. Also forms toxic fumes with cyanides, sulfides, fluorides, organic peroxides, and halogenated organics.

SECTION 11: Toxicological information

11.1. Information on toxicological effects
Acute
Notes: Device is a strong acid and is extremely toxic. It is to be used only as directed with PPE, and only by licensed dental professionals.

SECTION 12: Ecological information

12.1. Toxicity
Toxicity: Not Determined
Aquatic toxicity (acute): Do not allow to enter sewers or drains that may lead to waterways.
96-hour LC50: Not Determined
48-hour EC50: Not Determined
96-hour EC50: Not Determined

12.2. Persistence and degradability
Persistence and degradability: Not Determined

12.3. Bio accumulative potential
Bio accumulative potential: Not Determined

12.4. Mobility in soil
Mobility in soil: Not Determined

12.5. Results of PBT and vPvB assessment
Results of PBT and vPvB assessment: Not Determined

12.6. Other adverse effects
Environmental data: Not defined

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Disposal method: Dispose of in compliance with governmental regulation. (EC 1975L0442-20/11/2003)

SECTION 14: Transport information

14.1. UN number
UN number: 1760

14.2. UN proper shipping name
UN proper shipping name: Corrosive liquid, n.o.s. (Phosphoric acid mixture)

CONTINUED...