Mobility in soil: No further relevant information available Additional ecological information: General notes:

Water hazard class 1 (Self-assessment): slightly hazardous for water Do not allow undiluted product or large quantities of it to reach ground water, water course of sewage system. Must not reach bodies of water or drainage ditch undiluted or unneutralized. Rinse off of bigger amounts into drains or the aquatic environment may lead to decreased pH-values. A low pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably increased, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous. Results of PBT and vPvB assessment PBT: Not applicable. vPvB: Not applicable. Other adverse effects No further relevant information available.

SECTION 13: DISPOSAL CONSIDERATION

Waste treatment methods Recommendation: Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Uncleaned packagings Recommendation: Disposal must be made according to official regulations.

SECTION 14: TRANSPORT INFORMATION

UN-Number DOT, IMDG, IATA	UN1805
UN proper shipping name DOT IMDG, IATA	Phosphoric acid solution mixture PHOSPHORIC ACID, SOLUTION mixture
Transport hazard class(es) DOT	
Class	8 Corrosive substances

Label	8
IMDG, IATA	
Class	8 Corrosive substances
Label	8
Packing group	
DOT, IMDG, IATA	III
Environmental hazards:	Not applicable.
Special precautions for user	Warning: Corrosive substances
Hazard identification number (FMS Number	Kemlercode): 80 F-A.S-B
Segregation groups	Acids
Stowage Category	A
Segregation Code	SG36 Stow "separated from" SGG18-alkalis.
	SG49 Stow "separated from" SGG6-cyanides
Transport in bulk according	
to Annex II of MARPOL 73/78	
and the IBC Code:	Not applicable.
Transport/Additional information	on:
Quantity limitations	On passenger aircraft/rail: 5L
	On cargo aircraft only: 60 L
IMDG	
Limited quantities (LQ)	5L
Excepted quantities (EQ)	Code: E1
	Maximum net quantity per inner packaging: 30 ml
	Maximum net quantity per outer packaging: 1000 ml
UN "Model Regulation":	UN 1805 PHOSPHORIC ACID, SOLUTION MIXTURE, 8, III

SECTION 1	5: REGULATORY INFORMATION	Non
Safety, health and Sara	I environmental regulations/legislation specific for the substance or mixture	NIOS
Section 355 (ex	tremely hazardous substances):	None
None of the ingr	edients are listed.	GHS Ia Medic
Section 313 (Sn	ecific toxic chemical listings):	Global
7664-38-2 1345-16-0	Phosphoric Acid Dark Blue Pigment	Hazar Signa Hazar
TSCA (Toxic Sub	stances Control Act):	Phosp Hazar
All components	have the value ACTIVE.	Hazar Harmf
Hazardous Air P	ollutants	Cause Suspe
1345-16-0	Dark Blue Pigment	Preca
Proposition 65	·	P201 P202
Chemicals know	vn to cause cancer:	P260 P264
None of the ingredients are listed.		P271
Chemicals known to cause reproductive toxicity for females:		P280 P301-
None of the ingredients are listed.		P303-
Chemicals know	vn to cause reproductive toxicity for males:	P304+
None of the ingr	edients are listed.	P305+
Chemicals know	vn to cause developmental toxicity:	P310
None of the ingredients are listed.		P308+ P321
Carcinogenic cate	egories	P363 P405
EPA (Environmental Protection Agency)		P405 P501
None of the ingr	edients are listed.	Chem
TLV (Threshold Limit Value established by ACGIH)		Device

None of the ingree	lights are listed
None of the ingred	ilents are listeu.
GHS label element	
Medical Devices, Co	osmetics, and Drugs are exempt from the labeling requirements of the
Globally Harmonize	
Hazard pictograms	
Signal word Danger	
	g components of labeling:
Phosphoric Acid	
Hazard statements	
Harmful if inhaled.	
	burns and eye damage.
Suspected of causi	
Precautionary stat	
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P260	Do not breathe dusts or mists.
P264	Wash thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
	If swallowed: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353	If on skin (or hair): Take off immediately all contaminated clothing.
D004 - D040	Rinse skin with water/ shower.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	If in eyes: Rinse cautiously with water for several minutes. Remove contact
P310	lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P306+P313	Specific treatment (see on this label).
P363	Wash contaminated clothing before reuse.
P303 P405	Store locked up.
P405 P501	Dispose of contents/container in accordance with local/regional/national/
	international regulations.
Chemical safety as	
	cid and is extremely toxic. It is to be used only as directed with PPE, and only
by licensed dental p	professionals.

SECTION 16: OTHER INFORMATION

- This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.
- Department issuing SDS: Environmental, Health & Safety
- Contact: Customer Service
- Date of preparation/last revision November 2020
- Abbreviations and acronyms:
- IMDG: International Maritime Code for Dangerous Goods
- DOT: US Department of Transportation
- IATA: International Air Transport Association
- ACGIH: American Conference of Governmental Industrial Hygienists EINECS: European Inventory of Existing Commercial Chemical Substances
- ELINCS: European List of Notified Chemical Substances
- CAS: Chemical Abstracts Service (division of the American Chemical Society) NFPA: National Fire Protection Association (USA)
- HMIS: Hazardous Materials Identification System (USA)
- VOC: Volatile Organic Compounds (USA, EU)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent
- PBT: Persistent, Bioaccumulative and Toxic
- vPvB: very Persistent and very Bioaccumulative
- NIOSH: National Institute for Occupational Safety
- OSHA: Occupational Safety & Health
- TLV: Threshold Limit Value
- PEL: Permissible Exposure Limit REL: Recommended Exposure Limit
- Met. Corr.1: Corrosive to metals Category 1
- Acute Tox. 4: Acute toxicity Category 4
- Acute Tox. 1: Acute toxicity Category 1
- Skin Corr.1A: Skin corrosion/irritation Category 1A
- Eye Dam. 1: Serious eye damage/eye irritation Category 1
- Carc. 2: Carcinogenicity Category 2



INSTRUCTIONS FOR USE

Max Etch is a 35% phosphoric acid etchant solution with an optimum viscosity. Th 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 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.

2. FOR 30mL SYRINGE

- a. Remove luer cap from syringe.
- b. Attach the luer-lock "coupler" to the uncapped end of the Max Etch 30mL syringe by placing the coupler on the end of the syringe and firmly rotating until fully engaged (1/2 turn).
- c. Ensure the plunger on the Max Etch 1.2mL syringe is pushed into the barre as far as it can go. Place the uncapped end of the empty Max Etch 1.2mL syringe on the open end of the luer-lock coupler and rotate until firmly engaged
- d. Depress 30mL syringe plunger while guiding 1.2mL syringe plunger to desired fill.
- e. Separate syringes and re-cap 30mL syringe with luer cap.
- 983464 062022 f. Securely attach working tip to 1.2mL syringe.

- 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. Rinse and drv.

PRECAUTIONS AND WARNINGS

- Carefully read and understand all instructions before using.
- 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.
- Do not use after expiration date noted on the container.







Do not re-use to avoid cross contamination





Clinician's Choice



1.800.265.3444 519.641.3066 www.clinicianschoice.com



SAFETY DATA SHEET

SECTION 1: IDENTIFICATION
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
Clinician's Choice Dental Products, Inc
167 Central Avenue, London, ON, Canada, N6A 1M6
1.800.265.3444
519.641.3066
info@clinicianschoice.com
1.4. Emergency telephone number
1.800.265.3444
519.641.3066

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classifi	cation of the substance or mixture
GHS GHS	:08 Health hazard
Carc. 2	H351 Suspected of causing cancer.
GHS GHS	:05 Corrosion
Skin Corr 1	

Skin Corr. 1A H314 Causes severe skin burns and eye damage. Eve Dam. 1 H318 Causes serious eye damage.

GHS07

Acute Tox, 4 H332 Harmful if inhaled.

Label elements GHS label elements Medical Devices, Cosmetics, and Drugs are exempt from the labeling requirements of the Globally Harmonized System (GHS). Hazard pictograms GHS05, GHS07, GHS08 Signal word Danger Hazard-determining components of labeling: hosphoric Acid Hazard statements Harmful if inhaled. Causes severe skin burns and eve damage. Suspected of causing cancer. Precautionary statements Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dusts or mists. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eve 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. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for P305+P351+P338 If in eves: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor. P308+P313 IF exposed or concerned: Get medical advice/attention. Specific treatment (see on this label). Wash contaminated clothing before reuse.

- Store locked up.
- Dispose of contents/container in accordance with local/regional/national/ international regulations.





Other hazards Results of PBT and vPvB assessment PBT: Not applicable vPvB: Not applicable

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization: Mixtures escription: Mixture of the substances listed below with nonhazardous additions.

Dangerous components:			
7664-38-2	Phosphoric Acid	<4	
	Acute Tox. 1, H330; \ominus Met. Corr. 1, H290; Skin Corr. 1A, H314;		
	Eye Dam. 1, H318; () Acute Tox. 4, H302		
1345-16-0	Dark Blue Pigment	<'	
	(1) Carc. 2, H351		

SECTION 4: FIRST-AID MEASURES

Description of first aid measures

General information:

Immediately remove any clothing soiled by the product.

Symptoms of poisoning may even occur after several hours: therefore medical observation for

at least 48 hours after the accident.

After inhalation:

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

After skin contact:

Immediately wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor After eve contact: Rinse opened eve for several minutes under running water. Then consult After swallowing: Do NOT induce vomiting. Drink copious amounts of water and provide fresh air. Immediately call a doctor. Information for doctor: Most important symptoms and effects, both acute and delayed No further relevant nformation available Indication of any immediate medical attention and special treatment needed No futher relevant information available.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing media Suitable extinguishing agents Nater sprav Alcohol resistant foam Drv Chemical Carbon dioxide Use fire fighting measures that suit the environment Special hazards arising from the substance or mixture Phosphine, oxides of phosphorous, hydrogen gas During heating or in case of fire poisonous gases are produced. Advice for fire fighters General: Evacuate all personnel. Use fire extinguishing methods suitable to surrounding conditions. Protective equipment. Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Mouth respiratory protective device.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures Mount respiratory protective device. Wear protective equipment. Keep unprotected persons away. Environmental precautions: Do not allow to enter sewers/surface or ground water.

Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Use neutralizing agent.

- Dispose contaminated material as waste according to item 13.
- Ensure adequate ventilation.
- Reference to other sections
- See Section 7 for information on safe handling.
- See Section 8 for information on personal protection equipment.
- See Section 13 for disposal information.
- Protective Action Criteria for Chemicals

PAC-1

7664-38-2	Phosphoric Acid	3mg/m ³
PAC-2:		
7664-38-2	Phosphoric Acid	30mg/m ³
PAC-3:		
7664-38-2	Phosphoric Acid	150mg/m ³

SECTION 7: HANDLING AND STORAGE

Handling:

- Precautions for safe handling
- Safety glasses should be used by the patient and doctor. Use equipment for eve protection tested and approved under appropriate standards such as ANSI Z87.1
- Avoid contact with eves, skin, and clothing.
- Ensure good ventilation/exhaustion at the workplace. Open and handle receptacle with care.
- Prevent formation of aerosols.
- Information about protection against explosions and fires:
- Keep ignition sources away Do not smoke.
- Keep respiratory protective device available.
- Conditions for safe storage, including any incompatibilities
- Storage:
- Requirements to be met by storerooms and receptacles: Store in a cool location.
- Store only in the original receptacle.
- Provide ventilation for receptacles.

Information about storage in one common storage facility: Store away from water. Store away from metals. Further information about storage conditions: Protect from heat and direct sunlight. Store in a cool place. See product labelling. Keep receptacle tightly sealed. Specific end use(s): Professional Dental Acid Etching Solution

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Additional information about design of technical systems: No further data; see item 7. Control parameters

Components with limit values that require monitoring at the workplace:

The following constituent is the only constituent of the product which has a PEL. TLV or other recommended exposure limit.

At this time, the remaining constituent has no known exposure limits.

7664-38-2 Phosphoric Acid

PEL	Long-term value: 1mg/m ³	
REL	Short-term value: 3mg/m ³	Long-term value: 1mg/m ³
TLV	Short-term value: 3mg/m ³	Long-term value: 1mg/m ³

Additional information: The lists that were valid during the creation were used as basis.

Exposure Controls
Personal protective equipment:
General protective and hygienic measures:
Do not inhale gases/fumes/aerosols.
Do not eat or drink while working.
When using do not smoke.
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Store protective clothing separately.
Avoid contact with the eyes.
Avoid contact with the eyes and skin.
Breathing equipment:
In case of brief exposure or low pollution use respiratory filte

ter device. In case of intensive of longer exposure use respiratory protective device that is independent of circulating air.

Protection of hands:

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material is based on consideration of the penetration times, rates of diffusion and the degradation.

Material of gloves

The selection of suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

The exact breakthrough time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eve protection:

Safety glasses should be used and by the patient and doctor. Use equipment for eye protection tested and approved under appropriate standards such as ANSI Z87.1

Tightly sealed goggles

Body protection: Protective work clothing

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties General Information Apoerance:		
Form:	Gel	
Color:	Blue	
Odor:	Odorless	
Odor threshold:	Not determined.	
pH-value at 20°C:	<1	

Flammability (solid, gaseous): Not applicable. Decomposition temperature: Not determined.

Flash point:

Change in condition

Melting point/Melting range: Undetermined.

Boiling point/Boiling range: Undetermined.

Auto igniting:	Product is not self-igniting.
Danger of explosion:	Product does not present an explosion hazard.
Explosion limits: Lower: Upper:	Not determined. Not determined.
Vapor pressure:	Not determined.
Density at 20°C: Relative density Vapor density Evaporation rate	1.03-1.23g/cm ³ Not determined. Not determined. Not determined.
Solubility in/Miscibility with Water:	Partially soluble
Partition coefficient (n-octanol/	/water): Not determined.
Viscosity: Dynamic: Kinematic:	Not determined. Not determined.
Solvent content: Water: VOC content:	<60% 0.00% 0.0g///0.00lb/gal
VOC(EC) Other information	0.00% Refractive Index: Brix 25-28

Not applicable.

SECTION 10: STABILITY AND REACTIVITY

Reactivity: Stable Chemical stability to specifications. Conditions to avoid Water, Moist Air Excess heat Incompatible materials: Strong Alkalis Additional information:

 Information or Acute toxicity:	
LD/LC50 valu	16
ATE (Acute Te	0
 Oral Dermal Inhalative	
7664-38-2 P	h
Oral Dermal Inhalative	

Thermal decomposition/conditions to be avoided: No decomposition if used according

Possibility of hazardous reactions: No dangerous reactions known.

Hazardous decomposition products: Phosphine, oxides of phosphorous, hydrogen gas

Beacts 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

n toxicological effect

that are relevant for classification:					
city Estima	ate)				
D50 D50 C50/4 h	4,135mg/kg (rat) 7,405mg/kg (rabbit) 1.14mg/l (rabbit)				
phoric Ac	id				
D50 D50 C50/4 h	1,530mg/kg (rat) 2,740mg/kg (rabbit) 0.42225mg/l (rabbit)				

Primary irritant effect:

On the skin: Strong caustic effect on skin and mucous membranes On the eve: Strong caustic effect. Strong irritant with the danger of severe eve injury. Sensitization: No sensitizing effects known. Additional toxicological information: The product shows the following dangers according to internally approved calculation methods for preparations. Harmful Corrosiv Irritant

Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.

Carcinogenic categories

IARC (Interna	ational Agency for Research on Cancer)	
1345-16-0	Dark Blue Pigment	2B
NTP (Nationa	ıl Toxicology Program)	
None of the i	ngredients are listed.	
OSHA-Ca (Od	cupational Safety & Health Administration)	
None of the i	ngredients are listed.	
	ngredients are listed.	

Carcinogenicity: Dark Blue Pigment is listed as an IARC Group 2B carcinogen.

Reproductive toxicity: Does not meet the classification criteria for this hazard class.

Specific target organ toxicity - single exposure: Does not meet the classification criteria for this

Specific target organ toxicity - repeated exposure: Does not meet the classification criteria for this hazard class

Aspiration hazard: Does not meet the classification criteria for this hazard class.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity

Aquatic toxicity: No further relevant information available

Persistence and degradability: No further relevant information available.

Behavior in environmental systems:

Bioaccumulative potential: No further relevant information available.