

# E Dental Products Safety Data Sheet

### Issue Date: 11/30/2020 Version 2

e1, 37% Phosphoric Acid Etching Gel

1.0	0 Identification of the substance/preparation and of the company/undertaking			2.3 Other hazards						
1.1 1.2	Commercial product name / de Application / Use	esignation	:e1 etchants, 37% Phosphoric Acid Etch :Dental etching gel for use by Dental Professionals only. Etch enamel, dentii glass ionomer cements.	ning Gel n, and	2.4	No additional in <b>Unknown acute to</b> Not data availab	oformation available <b>oxicity (GHS-US)</b> ble			
1 2	Manufastura 8 Distributar		5		3.0	Composition				
1.5.	E Dental Products				Г	lame	Product Identifier	%	Classification (GHS-US)	
	216 W. Watauga Ave. Johnson City, TN 37604		Telephone: 1-844-289-3824 Email: sales@edentalproducts.com		F	Phosphoric acid	(CAS No) 7664-38-2	37%	Met. Corr. 1, H290 Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314 Eve Dam. 2A, H314	
1.4	Emergency relephone Number		.1-423-420-3221							
2.0	Hazards Identification				3.1	Substance	:Not A	pplicable		
2.1 2.1.1	Classification of the substance or mixture       Hazard Class       Hazard Category       Hazard Statement         2.1.1 Classification according to Regulation       Hazard Class       Hazard Category       Hazard Statement         (EC) No. 1272/2008 [CLP]       Skin corrosion       1B       H314         Eye irritation       2       H318				3.2 Mixture       :Phosphoric Acid in a proprietary gel matrix         4.0 First Aid Measures					
<ul> <li>2.1.2 Classification according to Directive 67/548/EEC Corrosive (C); R 34; R 36 / 37 / 38 (See SECTION 16 for full text of risk phrases)</li> <li>2.13 Classification according to GHS-US</li> </ul>					4.1	General Inform	General Information :May cause burns or irritation to eyes, skin or mucous membranes. Acute effects may be delayed. Show this safe data sheet to medical personnel. Get medical attention increase of uncertainty.			
	Metal Corrosion 1 H290 Skin Corrosion 1B H314 Eye Damage 2A H318				4.2	Eye Contact	:Remove cont running wate	Received internating. Remove contact lenses. Keep eyelids apart and flush with running water for 15+ minutes or until pH of tears is 7. Get medical attention		
2.2	2.2 Label elements					Skin Contact	Skin Contact :Immediately flush skin with running water for 15 minu Get medical attention for persistent irritation or burns			
Hazard Pictograms					4.4	Ingestion	:Rinse mouth to dilute. Get anything by r	:Rinse mouth with water. Do not induce vomiting. Give wate to dilute. Get immediate medical attention. Never give anything by mouth to an unconscious person.		
Signa	al words (GHS-US)	Danger Wa	rning		4.5	Inhalation	:None expected	ed for this product	t.	
Haza	rd statements (GHS-US)	:H290 - May H314 - Caus H318 - Caus	y be corrosive to metals. Jses severe skin burns and eye damage. Jses serious eve damage		4.6	Precautions for responders	first :Ventilate the	Ventilate the area. Wear safety glasses, gloves and la		
Precautionary statements (GHS-US) :P234 - Keep only in original container. P260 - Do not breathe dust/fumes/gas/mist/vapours/spray. P264 - Wash bands and forearms thorourshy after			s/spray.	4.7	Information for Symptoms	Information for physicians           Symptoms         :Irritation, pain or redness in eyes, mucous membranes or skin. Acute effects may be delayed so continued monitoring of the patient is indicated.				
		handling.				Hazards	:May cause bu	urns or irritation to eyes, skin or mucous		
P273 - Avoid release into the environment. P280 - Wear protective gloves/protective clothing/eye protection/face protection. P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT		eye NOT		Treatment :Same as above under First Aid.		Je deldyed.				
	induce vomiting. P303+P361+P353 - IF ON SKIN (or bair): Take off			5	.0 Fire Fighting	Measures				
		<ul> <li>immediately all contaminated clothing. Rinse skin with water/shower.</li> <li>P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.</li> <li>P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do - continue rinsing.</li> <li>P310 - Immediately call a POISON CENTER/doctor/physician.</li> <li>P321 - Specific treatment (see Section 4).</li> <li>P323 - Wate contaminated clothing hofe remove</li> </ul>	y all contaminated clothing. Rinse skin with <i>rer.</i> - IF INHALED: Remove person to fresh air and prtable for breathing.	vith ir and	5.1	Suitable exting	Suitable extinguishing media :Not a fire hazard. Us fire exposed contain with agent suitable		d. Use water spray to keep ntainers cool. Extinguish fire able for surrounding fire.	
			water nt and	5.2	Extinguishing	media to avoid	:None			
			hysician.	5.3	Special exposu	ure hazards in a fire	:Phosphoric acid liberate hydroge	l can react with metals to en gas.		
		P501 - Dispo regional, na	ise of contents/ container according to local, tional, and international regulations.		5.4	Special protec fire-fighters	tive equipment for	:A self-contained should be worn	d breathing apparatus by firefighting personnel.	
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6.0	Accidental Release	Measures		10.3.	Possibility of hazardous rea	actions ·	None	
6.1	Porconal procautio	nc	Wear chemical splach goggles and gla	10.4.	Conditions to avoid	:	Avoid strong bases, metals. excess heat,	
0.1	Fersonal precaution	ns.	wear chemical splash goggles and glo	ves.			exposure to moist air or water.	
0.2	Environmental pre	cautions	ment as phosphoric acid may affect p	10.5.	Incompatible materials		Strong caustics, most metals.	
			soil.	10.6.	Hazardous decomposition	product :	Phosphine, oxides of phosphorous, hydrogen gas	
6.3	6.3 Method for clean up		:For small quantities (as in this product) safety glasses, lab coat and gloves. Abs wipe up spill with dry paper towels. Pl	: Wear sorb or <b>10.7</b> ace all	dditional information		: Reacts with bases to form phosphate salts and is corrosive (especially when hot) to many	
			material in covered chemical waste con for disposal. Flush spill area with water	ntainer			hydrogen gas when reacting with chlorides	
7.0 1	Handling and Storage	e		1			and stainless steel, and reacts violently with	
7.1	Handling	:For use by de	ntal professionals only. Wear safety glass	es and			gases with sulfides, mercaptans, cycanides,	
	5	gloves; wash Follow good ł	hands after use. Avoid unnecessary expo hygiene practices. Protect soft tissue fror	osure. n etchant			and aldehydes. Also forms toxic fumes with cyanides, sulfides, fluorides, organic peroxides, and halogenated organics	
7 2	during intraoral procedures.		11.0	Toxicological informatio	n			
1.2	Storage	original conta	ainer. Store at cool room temperature. Av	void 11.1	Information on toxicologi	cal offocts		
		extremes of to	emperature (>27°C/80°F, <5°C/40°F), alk les and most metals	alies,	Acute toxicity	:Not	t classified	
7.3	Specific uses	:Dental etchar	nt		Phosphoric acid (7664-38-2	2) ·153	0 ma/ka	
	moguro Controls / Do	usonal Duatast	ion	,	LD50 dermal rabbit	:273	0 mg/kg	
81.0	ontrol parameters	· Not I	Determined		LC50 inhalation rat (mg/l) ATE (oral)	:>85 :153	0 mg/m^3 (Exposure time: 1h) 0.000 mg/ka body weight	
8.2. Ex	posure controls	. NOU	Determined		ATE (dermal)	:273	0.000 mg/kg body weight	
Eye	e/face protection	:Wear	reye protection		Skin corrosion/irritation	:Cau ion :Cau	ises severe skin burns and eye damage.	
Ski	in protection	: Wear	suitable protective clothing and gloves		Respiratory or skin sensitiza	ation :Not	classified	
Re	spiratory protection	airbor	ne levels	to control	Germ cell mutagenicity	:Not	classified	
				11.2		:Usina pł	hosphoric acid etchants to prepare teeth for	
9.0 P	hysical and Chemica	l Properties		]	clinical experience	bonding	procedures is a well-established (more than	
9.1. In	formation on basic p	ohysical and ch	nemical properties			30 years) enamel v	industry-accepted, dental procedure. Etching vith phosphoric acid is safe and effective	
Color	arstate		: Gei : Blue, Orange, Pink, Green, Yellow,			treatmen	at in the hands of a dental professional.	
			Purple, Seafoam	12.0	D Ecological Information	n		
0dor Ha			:< 1	12.1	Ecotoxicity	·No specif	fic information available. Use according to	
Solubi	lubility in water :Soluble in water.				good wo	rking practices. Avoid release into the		
Specifi Relativ	ecific gravity :1.31 lative evaporation rate (butyl acetate=1) · No data available				environn	nent as it may cause pH variation.		
Densit	ty	,	:>1g/cc					
Freezi	ezing point : No data available			3.0 Disposal Considerat	lions			
Flash p	point		: No data available	13.1	Regulations	:Dispose regulat	e of in compliance with governmental	
Auto-i Decon	gnition Temperature	e re	: No data available : No data available	13.2	Disposal	·Do not	dispose of waste into sewer	
Flamm	nability (solid, gas)		: No data available		4.0 Transport Informati	ion		
Vapor Relativ	pressure ve vapor density at 20	0° C	: No data available : No data available					
Relativ	ve density		: No data available	14.1	UN Number (DOT)		:1805 Phosphoric Acid	
Meltin	ig point		: No data available	14.3	Packing Group (DOT)	lanie	: III - Minor Danger	
Log Kow : No data available		14.4	Department of Transp	portation	: (DOT)			
Viscos	ity		: No data available		Hazard Classes		49CFR 173.136	
Oxidiz	ing properties		: No data available					
Explosive limits : No data available			DOT Packaging except DOT Packaging non bi	tion ulk	:154 :203			
9.2. No ade	other information ditional information a	available			DOT Packaging bulk		:241	
10.0 Stability and reactivity				- I	DOT Quanity Limitatio Passenger air/rail	ons	:5L	
10.0		ity	· Ctabla	-	DOT Quanity Limitatio	ons		
10.1.	10.1. Reactivity : Stable		14 5	Cargo air only		:60L		
<b>10.2. Chemical stability</b> : Stable when stored and handled under			r 14.5	8 Corrosive	E			
			recommended conditions					

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15.0	Regulatory Informatio	n
15.1	EU	:Class IIA medical devices under MDD 93/42/EEC.
15.2	US FDA	:Class II medical devices.
15.3	Health Canada	:Class II medical devices
15.4	US Federal regulations	
	SARA Section 311/312 H	azard Classes Immediate (acute) health hazard
	Phosphoric acid (7664-38	8-2)
	Listed on the United Stat	tes TSCA (Toxic Substances Control Act) inventory
15.5	US State regulations	
	Phosphoric acid (7664-38	8-2)
	U.S Massachusetts - All	owable Ambient Limits (AALs)
	U.S Massachusetts - All	owable Threshold Concentrations (ATC)s
	U.S Massachusetts - Oil	& Hazardous Material List - Groundwater Reportable
	Concentration - Reportin	ng Category 1
	U.S Massachusetts - Oil	& Hazardous Material List - Groundwater Reportable
	Concentration - Reportin	ng Category 2
	U.S Massachusetts - Oil	& Hazardous Material List - Reportable Quantity
	U.S Massachusetts - Oil	& Hazardous Material List - Soil Reportable Concentration
	- Reporting Category 1	· · · · · · · · · · · · · · · · · · ·
	U.S Massachusetts - Oil	& Hazardous Material List - Soil Reportable Concentration -
	Benorting Category 2	a nazardous material Eise Son neportable concentration
	IIS - Massachusetts - Ric	abt To Know List
	U.S. Threshold Effects F	vnosure Limits (TELs)
	U.S Massachusetts - To	vice Lise Reduction Act
	U.S. Now Jorcov, Disch	arge Browentien List of Hazardous Substances
	U.S New Jersey - Discha	to Know Hazardous Substance List
	U.S New Jersey - Right	I Health Hazardo Substance List
	U.S New Jersey - Specia	(Dialet to Kanaw) Factore and the second list
	U.S Pennsylvania - RTK	(Right to Know) - Environmental Hazard List
	U.S Pennsylvania - RTK	(Right to Know) List
16.0	Other Information	
16.1	List of relevant R phrases	:R 34: Causes burns
		R 36: Irritating to eyes
		R 37: Irritating to respiratory system
		R 38: Irritating to skin.
16.2	Hazard Pictograms (GHS-I	IS)
10.2	nazara netogranis (ens t	$\wedge$ $\wedge$
		• •
Signal <b>\</b>	words (GHS-US)	:Danger , Warning
Hazard	Statements (GHS-US)	:H290 - May be corrosive to metals.
		H314 - Causes severe skin burns and eye damage.
		H318 - Causes serious eye damage.
		, ,
Precau	tionary statements (GHS-US	5) :P234 - Keep only in original container.
	,	P260 - Do not breathe dust/fumes/gas/mist/vapours/sprav
		P264 - Wash hands and forearms thoroughly after
		handling
		P273 - Avoid release into the environment
		P280 - Wear protective gloves/protective clothing/eve
		n atortion /face protective gloves/protective clothing/eye
		P201   P220   P221  E SWALLOWED: rinco mouth Do NOT
		is dues userities
		Induce vomiting.
		P303+P361+P353 - IF ON SKIN (or hair): Take oπ
		immediately all contaminated clothing. 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 lenses, if present and
		easy to do - continue rinsing.
		P310 - Immediately call a POISON CENTER/doctor/
		physician.
		P321 - Specific treatment (see Section 4).
		P363 - Wash contaminated clothing before reuse
		P501 - Dispose of contents/ container according to local
		regional, national, and international regulations
		5.16
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16.3	Precautionary Statements	:P264: Wash hands thoroughly after handling. P280: Wear protective gloves, clothing and eye/face protection. P301+P330+P353: If on skin (or hair), remove all contaminated clothing. Rinse skin with water. P310: Immediately call a Poison Center or doctor/ physician. P305+P351+P338: If in eyes, rinse cautiously with water for severalminutes. Remove contact lenses, if present and easy to do. Continue rinsing until pH of tears is 7.		
16.4	Restrictions on use	:Dental etchants are to be sold to/used by dental professionals only.		
16.5	Further information :Th it qn in w sh th	ne information presented herein is believed to be factual as has been derived from the works of persons believed to be ualified experts. However, nothing contained in this formation is to be taken as a warranty or representation for hich E Dental Product bears legal responsibility. The user nould review any recommendations in the specific context of re intended use to determine whether they are appropriate.		
16.6	Sources of key data :N O Eu R C C Eu Eu	ational Institute for Occupational Safety (NIOSH) ccupational Safety and Health Administration (OSHA) Eur-Lex iropean Union Law: Regulation (EC) No. 1272/2008 (CLP) and egulation (EC) No. 1907/2006 (REACH). Guidance on the impilation of safety data sheets. Version 1.1; December 2011. iropean Chemicals Agency		