

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## EtchingGel

Print date: 20.04.2016

Product code: 6100

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### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

EtchingGel

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

#### 1.3. Details of the supplier of the safety data sheet

Company name:	DMG Chemisch-Pharmazeutische Fabrik GmbH	
Street:	Elbgaustraße 248	
Place:	D-22547 Hamburg	
Telephone:	+49. (0) 40. 84006-0	Telefax: +49. (0) 40. 84006-222
e-mail:	info@dmg-dental.com	
Internet:	www.dmg-dental.com	

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Directive 67/548/EEC or 1999/45/EC

This mixture is not classified as hazardous according to Directive 1999/45/EC.

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Hazard categories:

Skin corrosion/irritation: Skin Corr. 1B

Hazard Statements:

May be corrosive to metals.

Causes severe skin burns and eye damage.

#### 2.2. Label elements

##### Hazardous components which must be listed on the label

Phosphoric acid ... %; orthophosphoric acid

Signal word: Danger

Pictograms: GHS05



##### Hazard statements

H290	May be corrosive to metals.
H314	Causes severe skin burns and eye damage.

##### Precautionary statements

P280	Wear protective gloves/protective clothing/eye protection/face 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.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

##### Chemical characterization

PHOSPHORIC ACID

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**Hazardous components**

EC No	Chemical name	Quantity
CAS No	Classification according to Directive 67/548/EEC	
Index No	Classification according to Regulation (EC) No. 1272/2008 [CLP]	
REACH No		
231-633-2	Phosphoric acid ... %; orthophosphoric acid	30 - 45 %
7664-38-2	C - Corrosive R34	
015-011-00-6	Skin Corr. 1B; H314	

Full text of R-, H- and EUH-phrases: see section 16.

**SECTION 4: First aid measures****4.1. Description of first aid measures****After inhalation**

not applicable

**After contact with skin**

After contact with skin, wash immediately with: Water and soap.

**After contact with eyes**

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

**After ingestion**

Immediately get medical attention.

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Additional information**

Material is not combustible.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Wear suitable protective clothing.

**6.2. Environmental precautions**

Do not empty into drains or the aquatic environment.

**6.3. Methods and material for containment and cleaning up**

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

**SECTION 7: Handling and storage****7.1. Precautions for safe handling****Advice on safe handling**

Keep container tightly closed. Wear suitable protective clothing and gloves. Avoid contact with eyes.

**Further information on handling**

Ensure adequate ventilation of the storage area.

**7.2. Conditions for safe storage, including any incompatibilities****Requirements for storage rooms and vessels**

Keep container tightly closed in a cool, well-ventilated place.

Store only in original container.

**Advice on storage compatibility**

Do not store together with: Alkalis (alkalis). metal.

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**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****Exposure limits (EH40)**

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
7664-38-2	Orthophosphoric acid	-	1		TWA (8 h)	WEL
		-	2		STEL (15 min)	WEL

**8.2. Exposure controls****Protective and hygiene measures**

When using do not eat or drink.

**Eye/face protection**

Tightly sealed safety glasses.

**Hand protection**

Wear suitable gloves.: NBR (Nitrile rubber). Butyl rubber.

**Respiratory protection**

The following must be prevented: inhalation. Exceeding critical value: Filter respirator (full mask or mouth-piece) with filter: A

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

Physical state: Jelly  
 Colour: blue

**Test method**

pH-Value: ca. 1

**Changes in the physical state**

Initial boiling point and boiling range: 100 °C

Flash point: not applicable

Lower explosion limits: not applicable

Upper explosion limits:

Ignition temperature: not applicable

Vapour pressure: 20 hPa  
(at 23 °C)Density: 1,4 g/cm<sup>3</sup>

Water solubility: easily soluble.

Vapour density: &lt; 1

**SECTION 10: Stability and reactivity****10.5. Incompatible materials**

Alkalis (alkalis).

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**SECTION 11: Toxicological information****11.1. Information on toxicological effects****Acute toxicity**

LD50: Rat. &gt;810mg/kg

**Irritation and corrosivity**

Irritant effect on the eye: Causes burns.

After skin contact: Causes burns.

**SECTION 12: Ecological information****12.1. Toxicity**

CAS No	Chemical name					
	Aquatic toxicity	Method	Dose	[h]   [d]	Species	Source
7664-38-2	Phosphoric acid ... %; orthophosphoric acid					
	Acute fish toxicity	LC50	138 mg/l	96 h	Gambusia affinis	

**Further information**

Do not empty into drains or the aquatic environment. Leakage into the environment must be prevented.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods****Advice on disposal**

Remove according to the regulations.

**Waste disposal number of waste from residues/unused products**

180106 WASTES FROM HUMAN OR ANIMAL HEALTH CARE AND/OR RELATED RESEARCH (except kitchen and restaurant wastes not arising from immediate health care); wastes from natal care, diagnosis, treatment or prevention of disease in humans; chemicals consisting of or containing dangerous substances  
Classified as hazardous waste.

**SECTION 14: Transport information****Land transport (ADR/RID)**

**14.1. UN number:** UN 1805  
**14.2. UN proper shipping name:** PHOSPHORIC ACID SOLUTION  
**14.3. Transport hazard class(es):** 8  
**14.4. Packing group:** III  
Hazard label: 8



Classification code: C1  
Limited quantity: 5 L  
Transport category: 3  
Hazard No: 80  
Tunnel restriction code: E

**Other applicable information (land transport)**

E1

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**Marine transport (IMDG)**

**14.1. UN number:** UN 1805  
**14.2. UN proper shipping name:** PHOSPHORIC ACID SOLUTION  
**14.3. Transport hazard class(es):** 8  
**14.4. Packing group:** III  
 Hazard label: 8



Special Provisions: 223  
 Limited quantity: 5 L  
 EmS: F-A, S-B

**Other applicable information (marine transport)**

E1

**Air transport (ICAO)**

**14.1. UN number:** UN 1805  
**14.2. UN proper shipping name:** PHOSPHORIC ACID SOLUTION  
**14.3. Transport hazard class(es):** 8  
**14.4. Packing group:** III  
 Hazard label: 8



Special Provisions: A3  
 Limited quantity Passenger: 1 L  
 IATA-packing instructions - Passenger: 852  
 IATA-max. quantity - Passenger: 5 L  
 IATA-packing instructions - Cargo: 856  
 IATA-max. quantity - Cargo: 60 L

**Other applicable information (air transport)**

E1

: Y841

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: no

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulatory information**

Water contaminating class (D): 1 - slightly water contaminating

**SECTION 16: Other information****Relevant R-phrases (Number and full text)**

34 Causes burns.

**Relevant H- and EUH-phrases (Number and full text)**

H290 May be corrosive to metals.

H314 Causes severe skin burns and eye damage.

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*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*