

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## LuxaBond-TotalEtch-PreBond

Print date: 21.04.2016

Product code: 6700

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

#### 1.1. Product identifier

LuxaBond-TotalEtch-PreBond

Product group: Endprodukt  
CAS No: 64-17-5  
Index No: 603-002-00-5  
EC No: 200-578-6

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

Hazard categories:  
Flammable liquid: Flam. Liq. 2  
Hazard Statements:  
Highly flammable liquid and vapour.

#### 2.2. Label elements

Signal word: Danger  
Pictograms: GHS02



##### Hazard statements

H225 Highly flammable liquid and vapour.

##### Precautionary statements

P233 Keep container tightly closed.  
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P102 Keep out of reach of children.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

##### Chemical characterization

Ethanol.

Sum formula: C<sub>2</sub>H<sub>6</sub>O  
Molecular weight: 46,07

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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		
200-578-6	ethanol, ethyl alcohol	< 100 %
64-17-5	F - Highly flammable R11	
603-002-00-5	Flam. Liq. 2; H225	

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**

Move victim to fresh air. Put victim at rest and keep warm.

**After contact with skin**

After contact with skin, wash immediately with: Water and soap. Change contaminated clothing. Rub in high-fat content cream.

**After contact with eyes**

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

**After ingestion**

If swallowed, immediately drink: Water. Consult physician.

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**Atomized water. alcohol resistant foam. Carbon dioxide (CO<sub>2</sub>). Extinguishing powder. Sand.**Unsuitable extinguishing media**

High power water jet.

**5.2. Special hazards arising from the substance or mixture**

Concentrated vapors are heavier than air. Vapours may form explosive mixtures with air.

**5.3. Advice for firefighters**

In case of fire: Wear self-contained breathing apparatus.

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

Keep away from sources of ignition - No smoking.

The following must be prevented: inhalation. skin contact. Eye contact.

**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 away from sources of ignition - No smoking. Provide adequate ventilation.

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**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.

**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
64-17-5	Ethanol	1000	1920		TWA (8 h)	WEL
		-	-		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**

Tested protective gloves are to be worn: Suitable material: NBR (Nitrile 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: liquid  
Colour: colourless-transparent  
Odour: characteristic

**Test method**

pH-Value: neutral

**Changes in the physical state**

Melting point: ca. -115 °C  
Initial boiling point and boiling range: ca. 80 °C  
Flash point: 12 °C  
Lower explosion limits: 3.5 vol. %  
Upper explosion limits: 15 vol. %  
Ignition temperature: 425 °C  
Vapour pressure: 59 hPa  
(at 20 °C)  
Density (at 20 °C): ca. 0,8 g/cm<sup>3</sup>  
Water solubility: complete miscible

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Viscosity / dynamic:  
(at 20 °C)

1,3 mPa·s

**SECTION 10: Stability and reactivity****10.4. Conditions to avoid**

heat.

**10.5. Incompatible materials**

Oxidizing agents. peroxides. acid. Alkali metals.

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

Acute toxicity, oral LD50: (species: Rat.): &gt; 6200 mg/kg; Acute toxicity, inhalant 95.6 mg / l / 4 h

CAS No	Chemical name				
	Exposure routes	Method	Dose	Species	Source
64-17-5	ethanol, ethyl alcohol				
	oral	LD50	6200 mg/kg	Rat	IUCLID
	inhalative (4 h) vapour	LC50	95,6 mg/l	Rat	RTECS

**Irritation and corrosivity**

In case of prolonged or frequently repeated skin contact: irritant.; Following eye contact: irritant.

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

Acute fish toxicity (Leuciscus idus): LC50: &gt; 8140 mg / l / 48 h (Ethanol);

Acute Daphnia toxicity (Daphnia magna): EC50: 9268 - 14221 mg / l / 48 h

CAS No	Chemical name					
	Aquatic toxicity	Method	Dose	[h]   [d]	Species	Source
64-17-5	ethanol, ethyl alcohol					
	Acute crustacea toxicity	EC50 mg/l	9268 - 14221	48 h	Daphnia magna	IUCLID

**12.2. Persistence and degradability**

Easily biodegradable (concerning to the criteria of the OECD)

**12.3. Bioaccumulative potential****Partition coefficient n-octanol/water**

CAS No	Chemical name	Log Pow
64-17-5	ethanol, ethyl alcohol	-0,31

**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**

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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 1170  
**14.2. UN proper shipping name:** ETHANOL (ETHYL ALCOHOL)  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** II  
Hazard label: 3



Classification code: F1  
Special Provisions: 144 601  
Limited quantity: 1 L  
Transport category: 2  
Hazard No: 33  
Tunnel restriction code: D/E

**Other applicable information (land transport)**

E2

**Marine transport (IMDG)**

**14.1. UN number:** UN 1170  
**14.2. UN proper shipping name:** ETHANOL (ETHYL ALCOHOL)  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** II  
Hazard label: 3



Special Provisions: 144  
Limited quantity: 3 L  
EmS: F-E, S-D

**Other applicable information (marine transport)**

E2

**Air transport (ICAO)**

**14.1. UN number:** UN 1170  
**14.2. UN proper shipping name:** ETHANOL (ETHYL ALCOHOL)  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** II  
Hazard label: 3

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Special Provisions:	A3	
Limited quantity Passenger:	1 L	
IATA-packing instructions - Passenger:		353
IATA-max. quantity - Passenger:		5 L
IATA-packing instructions - Cargo:		364
IATA-max. quantity - Cargo:		60 L

**Other applicable information (air transport)**

E2  
: Y341

**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

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

11 Highly flammable.

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

H225 Highly flammable liquid and vapour.

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