Telefax: +49. (0) 40. 84006-222

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Print date: 2005-2016 Person State Control Con

1.1. Product identifier

LuxaBond-Total Etch (Pre-Bond)

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: e-mail:

+49. (0) 40. 84006-0 info@dmg-dental.com

Internet:

www.dmg-dental.com

SECTION 2: Hazardo identification

2.1. Classification of the substance or mixture

Indications of danger: F - Highly flammable

R phrases:

Highly flammable.

May cause sensitisation by skin contact.

GHS classification

Hazard Statements:

Highly flammable liquid and vapour.

2.2. Label elements

Signal word:

Danger

Pictograms:

GHS02



Hazard statements

Highly flammable liquid and vapour.

Precautionary statements

P233

Keep container tightly closed.

P210

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P102 Keep out of reach of children.

SECTION 3: Composition/information on ingredi

3.2. Mixtures

Chemical characterization

Ethanol.

Sum formula:

C2H6O

Molecular weight:

46.07

according to Regulation (EC) No 1907/2006



Hazardous components

603-002-00-5	Flam. Liq. 2; H225	
64-17-5	F - Highly flammable R11	A STATE OF THE PARTY OF THE PAR
200-578-6		
REACH No		
Index No	GHS classification	
CAS No	Classification	And the second of the second o
E.W. Street British		

Full text of R and H phrases: see Section 16.

SECTION 4. Flore and in the

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

SECTION ELECTE

If swallowed, immediately drink: Water. Consult physician.

5.1. Extinguishing media

Suitable extinguishing media

Atomized water. alcohol resistant foam. Carbon dioxide (CO2). Extinguishing powder. Sand.

Extinguishing media which must not be used for safety reasons

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: Acc

SECTION 7: Handl

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).

7.1. Precautions for safe handling

Advice on safe handling

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

according to Regulation (EC) No 1907/2006



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.

8.1. Control parameters

Exposure limits (EH40)

SECTION 8: Expe

CAS No	Substance	ppm	mg/m³	fibres/ml	Category	Origin
64-17-5	Ethanol	1000	1920		TWA (8 h)	WEL
2000		-	-		STEL (15 min)	WEL

8.2. Exposure controls









Protective and hygiene measures

When using do not eat or drink.

Respiratory protection

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

Hand protection

Tested protective gloves are to be worn: Suitable material: NBR (Nitrile rubber).

Eye protection

Tightly sealed safety glasses.

A STANDARD OF THE PROPERTY OF

i. Illioithauon on basic	priysical and chemical properties
Physical state:	liquid

Colour: colourless-transparent

Odour: characteristic

	Test method
pH-Value:	neutral
Changes in the physical state	
Melting point:	ca115 °C
Boiling point:	ca. 80 °C
Flash point:	12 °C
Lower explosion limits:	3.5 vol. %
Upper explosion limits:	15 vol. %
Ignition temperature:	425 ℃
Vapour pressure: (at 20 °C)	59 hPa
Density (at 20 °C):	ca. 0,8 g/cm³
Water solubility:	complete miscible

according to Regulation (EC) No 1907/2006



Viscosity / dynamic: (at 20 °C)

1,3 mPa·s

SECTION (CESTABLIS

10.4. Conditions to avoid

heat.

10.5. Incompatible materials

Oxidizing agents. peroxides. acid. Alkali metals.

11.1. Information on toxicological effects

Acute toxicity

SECTION 11: To

Acute toxicity, oral LD50: (species: Rat.): > 6200 mg/kg; Acute toxicity, inhalant 95.6 mg / 1/4 h

CAS No.		No.	Mark 1	表 在在2000年中	
	Exposure routes	Method	Dose	Species	Source
64-17-5					
	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: > 8140 mg / I / 48 h (Ethanol); Acute Daphnia toxicity (Daphnia magna): EC50: 9268 - 14221 mg / I / 48 h

CAS No	Civernical Course					asa parte in plate
	Aquatic toxicity	Method	Dose	h	Species	Source
64-17-5	The Control of the Co			18 E		
	Acute crustacea toxicity	EC50 mg/l	9268 - 14221	48	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 consideration of the second of the se

Advice on disposal

Remove according to the regulations.

Waste disposal number of waste from residues/unused products

according to Regulation (EC) No 1907/2006

Print date: 20:05:2015 Cookies and Cookies

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 bits motion

Land transport (ADR/RID)

14.1. UN number: 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: 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: 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

according to Regulation (EC) No 1907/2006

Print date: 25.05.2015 Special Provisions: A3

IATA-packing instructions - Passenger:353IATA-max. quantity - Passenger:5 LIATA-packing instructions - Cargo:364IATA-max. quantity - Cargo:60 L

Other applicable information (air transport)

E2 : Y341

Limited quantity Passenger:

14.5. Environmental hazards

Dangerous for the environment: no

SECTION 15: Regulatory information ...

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

1 L

National regulatory information

SECTION 16: Other information

Full text of R phrases referred to under Sections 2 and 3

11 Highly flammable.

43 May cause sensitisation by skin contact.

Full text of H statements referred to under Sections 2 and 3

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.)

Telefax: +49. (0) 40. 84006-222

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Print date: 02.07.2014 * Predict orders of the complete state of t

1.1. Product identifier

Etching Gel

Product group:

Endprodukt

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: Place: Elbgaustraße 248 D-22547 Hamburg

Telephone:

+49. (0) 40. 84006-0

e-mail:

info@dmg-dental.com

Internet:

www.dmg-dental.com

SECTION 2: Hezards Identification

2.1. Classification of the substance or mixture

Indications of danger: C - Corrosive

R phrases: Causes burns.

GHS classification

Hazard categories:

Skin corrosion/irritation: Skin Corr. 1B Serious eye damage/eye irritation: Eye Dam. 1

Hazard Statements:

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

H314

Causes severe skin burns and eye damage.

Precautionary statements

P280

P305+P351+P338

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

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

according to Regulation (EC) No 1907/2006



Hazardous components

CAS No	Classification	STEEN PROBLEM STEELS SECTION 1
Index No	GHS classification	
REACH No		
231-633-2		30-45.8
7664-38-2	C - Corrosive R34	
015-011-00-6	Skin Corr. 1B; H314	

Full text of R and H phrases: see Section 16.

SECTION 4. FIRST SECTION

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.

And the best of the best of the second

5.1. Extinguishing media

SECTION 6: Acc

Additional information

Material is not combustible.

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 atte 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.

according to Regulation (EC) No 1907/2006



8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m³	fibres/mi	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.

Respiratory protection

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

Hand protection

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

Eye protection

Tightly sealed safety glasses.

SECTION 9: Physical an

9.1. Information on basic physical and chemical properties	9.1.	Information	on basic	physical and	chemical	properties
--	------	-------------	----------	--------------	----------	------------

Physical state:

Jelly

Colour:

pH-Value:

blue

Test method

Changes in the physical state

Boiling point:

100 °C

ca. 1

Flash point:

not applicable

Lower explosion limits:

not applicable

Upper explosion limits: Ignition temperature:

not applicable

Vapour pressure:

20 hPa

(at 23 °C)

1,4 g/cm³

Density: Water solubility:

easily soluble.

Vapour density:

SECTION 10: Stability and r

10.5. Incompatible materials

Alkalis (alkalis).

according to Regulation (EC) No 1907/2006



11.1. Information on toxicological effects

Acute toxicity

LD50: Rat. >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		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
	Aquatic toxicity	Method	Dose	h	Species	Source
7664-38-2	Those forth seas					
	Acute fish toxicity	LC50	138 mg/l	96	Gambusia affinis	

Further information

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

SECTION 13: Disposal consideration

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: 1805

14.2. UN proper shipping name: PHOSPHORIC ACID SOLUTION

14.3. Transport hazard class(es): 8
14.4. Packing group: III

Hazard label:

Classification code:

Limited quantity:

Transport category:

Hazard No:

Tunnel restriction code:

C1

5 L

7 R

80

Tunnel restriction code:

according to Regulation (EC) No 1907/2006

Print date: 02.07.2014 Professed published: Print date: 02.07.2014 Professed published: Print date: 02.07.2014

Other applicable information (land transport)

E1

Marine transport (IMDG)

14.1. UN number: 1805

14.2. UN proper shipping name: PHOSPHORSÄURE, LÖSUNG

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: 1805

14.2. UN proper shipping name: PHOSPHORSÄURE, LÖSUNG

14.3. Transport hazard class(es):814.4. Packing group:IIIHazard label:8



Special Provisions: A3 Limited quantity Passenger: 1 L

IATA-packing instructions - Passenger:852IATA-max. quantity - Passenger:5 LIATA-packing instructions - Cargo:856IATA-max. quantity - Cargo:60 L

Other applicable information (air transport)

E1 : Y841

14.5. Environmental hazards

Dangerous for the environment: 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:

Full text of R phrases referred to under Sections 2 and 3

34 Causes burns.

Revision date: 12.09.2012

Safety Data Sheet

according to Regulation (EC) No 1907/2006



Full text of H statements referred to under Sections 2 and 3
H314 Causes severe skin burns and eye damage.

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