

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**LuxaBondUniversal-B**

Revision date: 26.07.2017

Product code: 6700

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**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

LuxaBondUniversal-B

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  
 e-mail: info@dmg-dental.com  
 Internet: www.dmg-dental.com  
 Telefax: +49. (0) 40. 84006-222

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Regulation (EC) No. 1272/2008**

Hazard categories:  
 Flammable liquid: Flam. Liq. 2

**2.2. Label elements****Regulation (EC) No. 1272/2008****Special labelling of certain mixtures**

EUH210 Safety data sheet available on request.

**SECTION 3: Composition/information on ingredients****3.2. Mixtures****Hazardous components**

CAS No	Chemical name	Quantity
	EC No	Index No
		REACH No
	Classification according to Regulation (EC) No. 1272/2008 [CLP]	
64-17-5	ethanol, ethyl alcohol	55 - 99 %
	200-578-6	603-002-00-5
	Flam. Liq. 2; H225	

Full text of H and EUH statements: 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 greasy ointment into the skin.

**After contact with eyes**

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

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**After ingestion**

If swallowed, immediately drink: Water. Medical treatment necessary.

**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 allow to enter into surface water or drains.

**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.

**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.

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**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 exposure limit values: Filtering device (full mask or mouthpiece) 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
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: (at 20 °C)	59 hPa
Density (at 20 °C):	ca. 0,8 g/cm <sup>3</sup>
Water solubility:	complete miscible
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: (Rat): &gt; 10000 mg/kg

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
64-17-5	ethanol, ethyl alcohol				
	oral	LD50 mg/kg	6200	@N11.P0000002	IUCLID
	inhalative (4 h) vapour	LC50	95,6 mg/l	@N11.P0000002	RTECS

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**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	Dose	[h]   [d]	Species	Source	Method
64-17-5	ethanol, ethyl alcohol					
	Acute crustacea toxicity	EC50 9268 - 14221 mg/l	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**

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 hazardous substances; hazardous waste

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

<b>14.1. UN number:</b>	UN 1170
<b>14.2. UN proper shipping name:</b>	ETHANOL (ETHYL ALCOHOL)
<b>14.3. Transport hazard class(es):</b>	3
<b>14.4. Packing group:</b>	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

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**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-TI/IATA-DGR)**

**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: 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**

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

**SECTION 16: Other information****Relevant H and EUH statements (number and full text)**

H225 Highly flammable liquid and vapour.  
 EUH210 Safety data sheet available on request.

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