

Material Safety Data Sheet according to (EC) 1907/2006



Tradename:

SD-BOND

Status: 21.05.2015
Page: 1 von 8

SECTION 1: Identification of the substance/preparation and of the company/undertaking

1.1. Product identifier

Name of product: SD-BOND

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

Use of the substance/mixture

Dental use.

1.3. Details of the supplier of the safety data sheet

Manufacturer / distributor

SCHEU DENTAL GmbH
Am Burgberg 20
D-58642 Iserlohn
Tel. +49 (2374) 9288-0
Fax +49 (2374) 9288-90

eMail: service@SCHEU-DENTAL.com
Internet: www.SCHEU-DENTAL.com

1.4. Emergency telephone number: +49 (2374) 9288-0

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Flam. Liq. 2 H225;

Serious eye damage/eye irritation: Eye Irrit. 2

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008

The product is classified and labelled according to the CLP regulation.

Signal word: Danger

Hazard Pictograms: GHS02 GHS07



Hazard statements

H225	Highly flammable liquid and vapour.
H319	Causes serious eye irritation.

Precautionary statements

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233	Keep container tightly closed.
P280	Wear protective gloves/protective clothing/eye protection.
P302+P350	IF ON SKIN: Gently wash with plenty of soap and water.
P 305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

2.3. Other hazards

No information available.

Material Safety Data Sheet according to (EC) 1907/2006



Tradename:

SD-BOND

Status: 21.05.2015
Page: 2 von 8

SECTION 3: Composition / information on ingredients

3.1. Substances

not applicable

3.2. Mixtures

Hazardous components

EC No	Chemical name	Quantity
CAS No	Classification according to Regulation (EC) No. 1272/2008 [CLP]	
Index No		
REACH-No		
200-661-7	propan-2-ol	< 20 %
67-63-0	Flam. Liq. 2, Irrit. 2, STOT SE 3; H225 H319 H336	
603-117-00-0		

Additional information

For the wording of the listed H-phrases refer to section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

- General Information:** Medical treatment is necessary if symptoms occur which are obviously caused by skin or eye contact with the product or by inhalation of its vapours. Take off all contaminated clothing immediately.
- After inhalation:** Provide fresh air. When in doubt or if symptoms are observed, get medical advice.
- After contact with skin:** After contact with skin, wash immediately with plenty of water and soap. Take off immediately all contaminated clothing and wash it before reuse. Medical treatment necessary.
- After contact with eyes:** After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.
- After ingestion:** If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label. Rinse mouth immediately and drink plenty of water.

4.2. Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Carbon dioxide (CO₂), Foam, Fire-extinguishing powder, Water spray

Unsuitable extinguishing media

Water with full jet.

5.2. Special hazards arising from the substance or mixture

Flammable. Vapours can form explosive mixtures with air. In case of fire may be liberated: Hazardous decomposition products

Material Safety Data Sheet according to (EC) 1907/2006



Tradename:

SD-BOND

Status: 21.05.2015
Page: 3 von 8

5.3. Advice for firefighters

Special protective equipment for fire fighters:

Wear self-contained respiratory protective device and chemical protective clothing. Full protection suit.

Additional information

Use water spray jet to protect personnel and to cool endangered containers. Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Remove all sources of ignition. Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Use personal protection equipment.

6.2. Environmental precautions

Do not allow uncontrolled discharge of product into the environment.

6.3. Methods and material for containment and cleaning up

warm water

6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

SECTION 7: Handling and Storage

7.1. Precautions for safe handling

Advice on safe handling

Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking. Take precautionary measures against static discharge. Vapours can form explosive mixtures with air.

7.2. Conditions for safe storage, including any incompatibilities

Storage:

Requirements for storage rooms and vessels

Keep container tightly closed. Keep in a cool, well-ventilated place. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Information about storage in one common storage facility:

No further relevant information available.

Further information on storage conditions

Protect from the action of light. Keep only in the original container at a temperature between 4 – 25 °C.

Storage class:

7.3. Specific end use(s)

No further relevant information available.

SECTION 8: Exposure controls / personal protection

Additional information about design of technical facilities.

No further data ; see item 7.

Material Safety Data Sheet according to (EC) 1907/2006



Tradename:

SD-BOND

Status: 21.05.2015

Page: 4 von 8

8.1. Control parameters

Ingredients with limit values that require monitoring at the workplace:

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
67-63-0	Propan-2-ol	400	999		TWA (8 h)	WEL
		500	1250		STEL (15 min)	WEL

Additional information:

The lists valid during the making were used as basis.

8.2. Exposure controls

Appropriate engineering controls:

Do not breathe gas/fumes/vapour/spray.

Protective and hygiene measures:

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme. Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat or drink.

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

Hand protection

Gloves should be replaced regularly, especially after extended contact with the product. For each work-place a suitable glove type has to be selected.

Eye/face protection

Tightly fitting goggles.

Limitation and supervision of exposure into the environment

No special precautions are necessary if used correctly.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

General Information

Physical state	viscous
Colour	whitish
Odour	characteristic
pH-Value:	not determined
Changes in the physical state	
Melting point	not determined
Initial boiling point and boiling range	> 80 °C
Flash point	12 °C
Flammability	
Solid	not applicable
Gas	not applicable
Lower explosion limits	2 vol. %
Upper explosion limits	12 vol. %
Auto-ignition temperature	
Solid	not applicable
Gas	not applicable
Decomposition temperature	not determined
Vapour pressure (at 20 °C)	48 hPa
Water solubility	easily soluble
Solubility in other solvents	
Partition coefficient	not determined

Material Safety Data Sheet according to (EC) 1907/2006



Tradename:

SD-BOND

Status: 21.05.2015
Page: 5 von 8

Vapour density	not determined
Evaporation rate	not determined

9.2. Other information

Solid content not determined

Product has not been tested. The statement is derived from the properties of the components.

SECTION 10: Stability and reactivity

10.1. Reactivity

Flammable, Ignition hazard.

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

No known hazardous reactions.

10.4. Conditions to avoid

Protect from the action of light. Keep only in the original container at a temperature between 4 – 25 °C.

10.5. Incompatible materials

In presence of radical formers (e. g. peroxides), deoxidizing substances, and/or heavy metal ions, polymerization with heat release is possible.

10.6. Hazardous decomposition products

No dangerous decomposition products known.

SECTION 11: Toxicological Information

11.1. Information on toxicological effects

Acute toxicity

Based on available data, the classification criteria are not met.

CAS No.	Chemical name				
	Exposure routes	Method	Dose	Species	Source
67-63-0	propan-2-ol				
	oral	LD50	5840 mg/kg	Rat	OECD 401
	dermal	LD50	13900 mg/kg	Rabbit	OECD 402

Primary irritant effect:

Serious eye damage / irritation

On the eye: Causes serious eye irritation.

Respiratory or skin sensitization

Based on available data, the classification criteria are not met.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Not applicable.

Further information

Product has not been tested. The statement is derived from the properties of the components.

Material Safety Data Sheet according to (EC) 1907/2006

Tradename:

SD-BONDStatus: 21.05.2015
Page: 6 von 8**SECTION 12: Ecological Information****12.1. Toxicity**

The product has not been tested.

Aquatic toxicity:

CAS No	Chemical name	Method	Dose	[h]	[d]	Species	Source
67-63-0	propan-2-ol						
	Acute fish toxicity	LC50	9640 mg/l	96 h		Pimephales promelas (fathead minnow)	
	Acute algae toxicity	ErC50	> 100 mg/l	72 h			

12.2. Persistence and degradability

The product has not been tested.

12.3. Bioaccumulative potential

The product has not been tested.

12.4. Mobility in soil

The product has not been tested.

12.5. Results of PBT and vPvB assessment

The product has not been tested.

12.6. Other adverse effects

No further relevant information available.

Further information:

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Recommendation**

Smaller quantities and/or residues: May be disposed of in household waste landfill. Dispose of waste according to applicable legislation.


Waste disposal number of waste from residues /unused products 080410

WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING LINKS; wastes from MFSU of adhesives and sealants (including waterproofing products); waste adhesives and sealants other than those mentioned in 08 04 09

Uncleaned packaging:**Recommendation:**

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

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

14.1. UN number:	UN 1993	
14.2. UN proper shipping name:	FLAMMABLE LIQUID, N.O.S. (propan-2-ol)	
14.3. Transport hazard class(es):	3	
14.4. Packing group:	II	
Hazard label:	3	
Classification code:	F1	
Special Provisions:	274 601 640D	

Material Safety Data Sheet according to (EC) 1907/2006

Tradename:


SD-BOND

Status: 21.05.2015


Page: 7 von 8

Limited quantity:	1 L
Transport category:	2
Hazard No:	33
Tunnel restriction code:	D/E
Other applicable information (land transport)	E2


Inland waterways transport (ADN)

14.1. UN number:	UN 1993	
14.2. UN proper shipping name:	FLAMMABLE LIQUID, N.O.S. (propan-2-ol)	
14.3. Transport hazard class(es):	3	
14.4. Packing group:	II	
Hazard label:	3	
Classification code:	F1	
Spezial Provisions:	274 601 640D	
Limited quantity:	1 L	
Other applicable information (inland waterways transport)	E2	

Marine transport (IMDG)

14.1. UN number:	UN 1993	
14.2. UN proper shipping name:	FLAMMABLE LIQUID, N.O.S. (propan-2-ol)	
14.3. Transport hazard class(es):	3	
14.4. Packaging group:	II	
Hazard label:	3	
Special Provisions::	274	
Limited quantity:	1 L	
EmS:	F-E, S-D	
Other applicable information (marine transport):	E2	

Air transport (ICAO)

14.1. UN number:	UN 1993	
14.2. UN proper shipping name:	FLAMMABLE LIQUID, N.O.S. (propan-2-ol)	
14.3. Transport hazard class(es):	3	
14.4. Packaging 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	
Passenger-LQ:	Y341	

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

No information available.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable

Material Safety Data Sheet according to (EC) 1907/2006



Tradename:

SD-BOND

Status: 21.05.2015
Page: 8 von 8

SECTION 15: Regulatory Information

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

National regulations:

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

15.2. Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out.

SECTION 16: Other Information

Abbreviations and acronyms

ADR	Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG	International Maritime Code for Dangerous Goods
IATA	International Air Transport Association
GHS	Globally Harmonized System of Classification and Labelling of Chemicals
EINECS	European Inventory of Existing Commercial Chemical Substances
ELINCS	European List of Notified Chemical Substances
CAS	Chemical Abstracts Service (division of the American Chemical Society)
LC50	Lethal concentration, 50 %
LD50	Lethal dose, 50 %

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

H225	Highly flammable liquid and vapour.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.

Further information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.