

Safety Data Sheet
According to 1907/2006/EC, Article 31

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

1.1 Product identifier

Trade name: solabond

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

No further relevant information available.

Application of the substance / the mixture Dental Bonding Material

1.3 Details of the supplier of the safety data sheet

Manufacturer /supplier:

Trent Dent Products Ltd, 12 Woodford, 4 Thurstan St, Chelsea Creek, London SW6 2GB, United Kingdom

Tel: +44 20 3091 6068

www.trentdent.co.uk

e-mail: info@trentdent.co.uk

1.4 Emergency telephone number:

Tel: +44 20 3091 6068 (office hours)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Flam. Liq. 2 H225 Highly flammable liquid and vapour.

Skin Irrit. 2. H315 Causes skin irritation.

Eye Irrit. 2. H319 Causes serious eye irritation.

STOT SE H335 May cause respiratory irritation.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

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

Hazard pictograms



GHS02

GHS07

Signal word Warning

Hazard-determining components of labelling:

methacrylate with the exception of those specified elsewhere in this Annex

Hazard statements

H225 Highly flammable liquid and vapour.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

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H335 May cause respiratory irritation.

Precautionary statements

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P241 Use explosion-proof electrical/ventilating/lighting/equipment.

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Labelling of packages where the contents do not exceed 125 ml

Hazard pictograms



Signal word Danger

Hazard-determining components of labelling:

methacrylate with the exception of those specified elsewhere in this Annex

Hazard statements Void

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable. vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

3.2 Chemical characterisation: Mixtures

Description:

Solution of modified acrylic acid, polyacrylic acid, methacrylate, catalysts and stabilisators in ethanol

Dangerous components:		
CAS: 64-17-5 EINECS: 200-578-6	ethanol Flam. Liq. 2, H225	50-75%
	methacrylate with the exception of those specified elsewhere in this Annex	2.5-10%

Additional information for the wording of the listed risk phrases refer to section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information immediately remove any clothing soiled by the product.

After inhalation

In case of unconsciousness place patient stably in side position for transportation.

After skin contact

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Immediately wash with water and soap and rinse thoroughly. Immediately rinse with water.

After eye contact

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing call a doctor immediately.

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

No further relevant information available.

SECTION 5: Fire fighting measures

5.1 Extinguishing media

Suitable extinguishing agents

Water spray

Carbon dioxide

Fire-extinguishing powder

Foam

For safety reasons unsuitable extinguishing agents water with full jet.

5.2 Special hazards arising from the substance or mixture No further relevant information available.

5.3 Advice for fire-fighters

Protective equipment: No special measures required.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Do not inhale vapours.

Wear protective equipment.

Keep unprotected persons away.

6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water.

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

6.4 Reference to other sections

No dangerous substances are released.

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling No special measures required.

Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

7.2 Conditions for safe storage, including any incompatibilities Storage

Requirements to be met by storerooms and receptacles:

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Close container immediately after use and protect product from light incidence.

Storage between 10°C and 25°C.

Information about storage in one common storage facility: Store away from foodstuffs.

Further information about storage conditions: Store in cool, dry conditions in well-sealed receptacles.

Storage class 3A

7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/Personal protection

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:
64-17-5 ethanol
WEL Long-term value: 1920 mg/m ³ , 1000 ppm

Additional information: The lists valid during the making were used as basis.

8.2 Exposure controls

Personal protective equipment

General protective and hygienic measures: wash hands before breaks and at the end of work.

Respiratory protection: Not necessary if room is well-ventilated.

Protection of hands: Protective gloves.

Material of gloves butyl rubber, BR

Penetration time of glove material 0.1 – 0.2 mm

Penetration time: 5 min.

Eye protection: Safety glasses

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties	
General Information	
Appearance	
Form	Fluid
Colour	Yellow
Odour	Weak, characteristic
Odour threshold	Not determined
pH-value at 20°C	3
Change in condition	
Melting point/Melting range	undetermined
Boiling point/Boiling range	78°C
Flash point	13°C
Flammability (solid, gaseous)	Not applicable
Ignition temperature	425°C
Self-igniting	Product is not self-igniting
Danger of explosion	Product is not explosive. However, formation of explosive air/vapour mixtures are possible

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SECTION 10: Stability and reactivity

10.1 Reactivity No further relevant information available.

10.2 Chemical stability

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions Photo reactive Danger of polymerisation

10.4 Conditions to avoid No further relevant information available.

10.5 Incompatible materials: No further relevant information available.

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.

LD/LC50 values relevant for classification:

Ethanol	LD-50 oral	10470 mg/kg rat	OECD 401
	LC-50 inhalativ	117 mg/l rat	OECD 402

Primary irritant effect:

Skin corrosion/irritation

Drying out of skin possible

Serious Causes skin irritation.

Serious eye damage/irritation

Causes serious eye irritation.

Respiratory or skin sensitisation Based on available data, the classification criteria are not met.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Germ cell mutagenicity based on available data, the classification criteria are not met.

Carcinogenicity based on available data, the classification criteria are not met.

Reproductive toxicity based on available data, the classification criteria are not met.

STOT-single exposure May cause respiratory irritation.

STOT-repeated exposure based on available data, the classification criteria are not met.

Aspiration hazard based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity: No further relevant information available.

12.2 Persistence and degradability No further relevant information available.

Other information: The product is biodegradable.

12.3 Bioaccumulative potential No further relevant information available.

12.4 Mobility in soil No further relevant information available.

Additional ecological information:

General notes:

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water.

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system

12.5 Results of PBT and vPvB assessment

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PBT: Not applicable. vPvB: Not applicable.

12.6 Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendation:

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Must be specially treated adhering to official regulations.

European waste catalogue	
07 01 04	other organic solvents, washing liquids and mother liquors



Uncleaned packaging:

Recommendation:

Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.

Recommended cleansing agents: Water, if necessary together with cleaning agents.

SECTION 14: Transport information

14.1 UN-Number ADR, IMDG, IATA	UN1170
14.2 UN proper shipping name ADR IMDG IATA	1170 ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION) ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION) Ethanol solutions
14.3 Transport hazard class(es) ADR  Class label	3 (F1) flammable liquids 3
IMDG, IATA  Class label	3 flammable liquids 3
14.4 Packing group ADR, IMDG, IATA	II
14.5 Environmental hazards Marine pollutant	No
14.6 Special precautions for user	Warning: Flammable liquids.
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable