

**al dente - Contact Marker & Colloidal Graphit**

prepared: 01.11.1997  
reviewed on: 29.09.2009  
printing date: 29.09.2009:

**Material Safety Data Sheet , according to 91/155/EWG** No.: 03-1200

**1.) Chemical Product & Company Identification**

**Trade name:** al dente - Contact Marker & Colloidal Graphit  
**Date reviewed:** 29.09.2009  
**Ordering No.:** 03-1200-05-10-10 & 03-1300  
**Manufacturer:** al dente Dentalprodukte GmbH  
Am Tobel 15,  
D-88263 Horgenzell  
Tel.: + 49 7504 / 9 70 91-0  
Fax: + 49 7504 / 9 70 91-20  
**Emergency information** Tel.: + 49 7504 / 9 70 91-0

**2.) Composition / information on ingredients**

**Description:** suspension of pigments and binders in a mixture of solvents  
**Dangerous components:**

<u>CAS-No.:</u>	<u>Designation</u>	<u>% of weight</u>	<u>Index</u>	<u>R-phrases</u>
64-17-5	ethanol	> 50 %	F	R 11

**3.) Hazard identification:**

**Hazard designation:** F highly flammable  
**Particular hazards for man:** R 11 highly flammable

**4.) First aid measures:**

**General information:** void  
**after inhalation:** in case of dizziness after inhalation, expose person to fresh air .  
**after eye contact:** rinse out with plenty of cold water and consult doctor instantly.  
**after skin contact:** wash skin with soap and water thoroughly  
**after swallowing:** rinse mouth with cold water and allow to drink a lot of water,  
in case of persist complaints, consult doctor and show this  
safety data sheet.

**5.) Fire fighting measures**

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**Suitable extinguishing agents:** extinguishing powder, foam or sand

**Non suitable extinguishing agents:** water

**Specific hazards with regard to**

**fire fighting measures:** thermal decomposition may cause generation of irritant and harmful gases, so fire-fighters should wear proper protective equipment.

**6.) Accidental releasing measures:**

**Person related safety precautions:** remove all sources of ignition immediately. Use personal protection equipment and take care for good ventilation.

**Measures for environmental protection:** avoid discharge into sewerage or environment

**Measures for cleaning / collecting:** use binder to absorb the liquid product, then clean thoroughly with plenty of water. Dispose of the used absorbance according to your local regulations

**7.) Handling and storage:**

**Storage:** store at temperatures not exceeding 30°C . Do not store in direct sunlight. Keep away from foodstuffs

**Information for safe handling:** Observe standard hygiene measures in handling chemical substances. Do not eat, drink or smoke when working.

**8.) Exposure controls and personal protection:**

**Breathing equipment:** none, but good local ventilation is recommended

**Protection of hands:** protective gloves

**Eye protection:** safety glasses

**Body protection:** protective work clothing (cotton).

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**9.) Physical and chemical properties**

**Form:** liquid  
**Colour:** blue  
**Smell:** specific

**Change in condition:**

**Melting range:** - 114.5 °C  
**Boiling point:** 78 °C  
**Flash point:** 13 °C  
**Ignition point:** 425 °C  
**Density:** n.a.  
**Solubility in water:** soluble

**10.) Stability and reactivity:**

**Conditions to avoid:** Storage at temperatures exceeding 45°C  
**Substances to avoid:** strong oxidants  
**Dangerous products of decomposition:** thermal decomposition may generate irritant and harmful gases, such as carbonoxides.

**11.) Toxicological information**

Component	CAS-No.	Species	Kind of exposure	LD 50
ethanol	64-17-5	rat	oral	7060 mg/kg

**Irritation**

on skin contact: none  
on eye contact: none

**Sensibilisation:** no case of sensibilisation known

**12.) Ecological information:**

avoid disposal into the environment

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**13.) Disposal considerations:**

**Product:** Must be specially treated under adherence to official regulations.

**14.) Transport information**

on street: according to your national and local regulations

by air: ICAO/IATA- class: 3  
UN-No.: 1263  
Identification: paint

**15.) Regulatory information**

Water hazard class: 0 (none hazardous for water)

**Designation according to EC guidelines**

<b>Index:</b>	<b>F</b>	highly flammable
<b>R-phrases:</b>	R11	highly flammable
<b>S-phrases:</b>	S 2	keep away from children
	S16	keep away from sources of ignition
		no smoking
	S23	do not breathe vapour

**16.) Other information**

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

This product is sold for industrial application only

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