

Safety data sheet in accordance with regulation (EC) no. 1907/2006 (amended by regulation (EU) Nr. 453/2010)

Date of issue: 23.04.2015
Date of revision: 29.12.20
Valid from: 29.12.20
Version: 4

Ceramic Mixing Liquid
03-1450 (250 ml)
03-1460 (1000 ml)

Replaces version: 3

Section 1: Identification of the substance/mixture and of the company

1.1 Product Identifier

Substances: dilution of organic solvents (glycol) see section 3

Index-no.: n.a.

EINECS: n.a.

CAS-no.: n.a.

REACH-registration no.: not required to be registered according to (EC) No. 1907/2006 (REACH)

Other means or identification: not determined

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

Relevant identified uses:

For commercial use in dental labs – for mixing ceramic powders

Uses advised against:

Should not be used outside a dental lab.

No further relevant information available.

1.3 Details of the supplier of the safety data sheet

Supplier:

al dente Dentalprodukte GmbH

Street:

Borsigstr. 1

Address / zip-code / town:

D-38644 Goslar

Information contact:

+49 (0) 5321-80031

Phone / Fax / Email:

+49 (0)5321-80031 / +49 (0)5321-50881 / E-Mail: info@aldente.de

1.4 Emergency Telephone Number:

+49 (0) 171 8637790

Section 2: Hazards identification:

2.1 Classification of the substance or mixture:

Classification according to regulation (EC) no. 1272/2008 (CLP)

No hazardous substance – watery mixture - NOT classified according to above regulation.

No H- and P-statements

2.2 Label Elements

Labelling according to regulation (EC) no. 1272/2008 (CLP/GHS)

No hazardous substance or mixture according to regulation (EC) no. 1272/2008 (CLP)

Hazard pictograms: none

Signal word / hazard designation: none

Hazardous component(s) for labelling: none

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Hazard statements: void

Precautionary statements: void

Supplemental Hazard information (EU): void

2.3 Other Hazards:

No supplementary information available.

SECTION 3: Composition/information on ingredients

3.1 Substances

This product is a mixture based on water

3.2 Mixtures

Description of the mixture: organic solvents < 5% + water (H²O)

EINECS: void CAS-no.: void Index-no.: n.a. REACH-registration no.: void

Content ration: <5 %

Classification according to regulation (EC) no. 1272/2008 (CLP): not classified

Section 4: First aid measures

4.1 Description of first aid measures:

In general: take off contaminated clothing

Following inhalation:

void

Following skin contact:

Wash with water and soap.

Following eye contact:

Rinse eyes with current water.

Following ingestion:

Rinse mouth, drink water. If discomfort persists consult a doctor.

4.2 Most important symptoms and effects, both acute and delayed

Not determined

4.3 Indication of any immediate medical attention and special treatment needed

Notes for the doctor: not determined

Special treatment: not determined

Section 5: Firefighting measures

5.1 Extinguishing media

Suitable: not applicable

Unsuitable: not applicable

5.2 Special hazards arising from the substance or mixture

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5.3 Advice for fire-fighters

Not applicable

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Risk of slipping when product gets spilled on the floor.

For emergency responders

Personal protective equipment: not applicable

6.2 Environmental precautions

Prevent the liquids from ingressing into surface water or drains.

6.3 Methods and material for containment and cleaning up

Absorb with liquid binding material (sand, universal binding material) and dispose of in domestic waste.

6.4 Reference to other sections

No release of hazardous substances with the product – no references to any other section.

Section 7: Handling and storage

7.1 Precautions for safe handling

Fire preventions:

Not applicable.

Aerosol and dust generation preventions:

Not determined

Environmental precautions:

Do not allow to reach the drain system

Advice on general occupational hygiene:

Follow the advice on general occupational hygiene, when dealing with chemicals, keep away from food, don't smoke.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions

Keep tightly closed. No special requirements.

Requirements for storage rooms and vessels

No special storing conditions necessary.

Storage class: (LGK) (VCI)

none

7.3 Specific end uses

Sector specific guidelines: dental laboratories

Except for the applications mentioned in section 1.2 there are no other specific end applications provided.

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Section 8: Exposure controls / personal protection

8.1 Control parameters

Occupational exposure limits

Mixture: dilution of organic solvents ; CAS-no. : not applicable
Specification : none
Limit value type (country (AGW): not applicable
of origin) :
Peak limitation: Not applicable
Toxic to reproduction: Not applicable
Source (TRGS) Not determined

The product does not contain any relevant quantities of substances which require monitoring of workplace exposure limit values.
Supplementary note: The lists that were valid during the compilation were used as basis.

8.2 Exposure controls

Appropriate engineering controls

Personal protective equipment

Eye / face protection



When decanting / filling more important quantities: we recommend to wear:

Skin protection: not applicable

Hand protection: not applicable

Body protection

Wear adequate working clothes.

Respiratory protection

Not applicable

Thermal hazards

Not applicable

Environmental exposure controls

Not determined

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties:

Physical state:

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- Aggregate state:	Liquid
- colour :	transparent
Odour :	characteristic
Odour threshold :	No data available
pH-value:	n.d.
Melting point / freezing point :	n.a.
Initial boiling point/boiling range :	100 °C
Flash point:	none
Evaporation rate :	No data available
Flammability:	In very aqueous condition not flammable
Upper/lower explosive limits	n.a.
Vapour pressure :	n.a.
Vapour density:	n.a.
Relative density:	n.a.
Solubility:	Unlimited miscibility
Partition coefficient: n-octanol/water:	n.a.
Auto-ignition temperature:	No auto-ignition
Decomposition temperature:	No data available
Viscosity:	n.a.
explosive properties:	Not classified as explosive
Oxidising properties:	none

9.2 Other information

Physical hazards

Explosives There are no further data available

Section 10: Stability and reactivity

10.1 Reactivity:

See section 10.3 – no data available.

10.2 Chemical stability:

The very aqueous product is chemically stable.

10.3 Possibility of hazardous reactions:

No hazardous reactions.

10.4 Conditions to avoid:

Not applicable

10.5 Incompatible materials:

See section 10.4.

10.6 Hazardous decomposition products:

None

Section 11: Toxicological information

11.1 Information on toxicological effects

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Acute toxicity

Due to the data available the substance does not meet the classification criteria.

Skin irritation

Due to the data available the substance does not meet the classification criteria.

Eye irritation

Due to the data available the substance does not meet the classification criteria.

Sensitisation to the respiratory tract / skin

Due to the data available the substance does not meet the classification criteria.

Germ cell mutagenicity

Due to the data available the substance does not meet the classification criteria.

Carcinogenicity

Due to the data available the substance does not meet the classification criteria.

Specific target organ toxicity (single exposure)

Due to the data available the substance does not meet the classification criteria.

Specific target organ toxicity (repeated exposure)

Due to the data available the substance does not meet the classification criteria.

Aspiration hazard

Due to the data available the substance does not meet the classification criteria.

Symptoms related to the physical, chemical and toxicological characteristics:

In case of ingestion: none

In case of skin contact: none

In case of inhalation: not applicable

In case of eye contact: none

Systemic effect: none

Follow the usual instructions when dealing with chemicals.

Section 12: Ecological information

12.1 Toxicity

No further information available

12.2 Persistence and degradability

Easily biodegradable.

12.3 Bioaccumulative potential

Bioaccumulation is not to be expected.

12.4 Mobility in soil

No information available

12.5 Results of PBT- and vPvB assessment

This substance does not meet the PBT or vPvB criteria according to the regulation (EC) no. 1907/2006, annex XIII.

12.6 Other adverse effects

No further relevant information available.

Section 13: Disposal considerations

13.1 Waste treatment methods

Small diluted amounts of the product can harmlessly be washed off with water.

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Contaminated packaging disposal

Containers are to be treated as the product itself. 150110 (AVV)

Waste codes / waste designations according to EWC / AVV: none

The dispose of this product should be handled in accordance with the local and national regulations.

Special precautions: none

Other relevant provisions for waste treatment national or EC

Waste directive 2008/98/EC has to be observed.

Section 14: Transport information

14.1 UN-no.: not subject to regulation

14.2 UN proper shipping name

ADR/RID

not subject to regulation

IMDG-Code / ICAO-TI / IATA-DGR

not subject to regulation

14.3 Transport hazard class(es) / hazard labels: not subject to regulation

14.4 Packing group: none

14.5 Environmental hazards

Environmentally hazardous substance marking

ADR/RID / IMDG-Code / ICAO-TI / IATA-DGR: yes / XXX no

Marine Pollutant: yes / XXX no

14.6 Special precautions for user: none

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Pollution category (X, Y or Z) :

Type of ship (1, 2 or 3) : not relevant / not subject to regulation

Section 15: Regulatory information

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

EU-regulations, e.g.:

Directive /EC) no. 2037/2000 (substances that deplete the ozone layer): not regulated

Directive (EC) no. 850/2004 (persistent organic pollutants): Not regulated

Directive (EC) no. 689/2008 (export and import of dangerous chemicals): not regulated

Directive (EC) no. 648/2004 (detergent regulation): not regulated

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Restrictions in accordance with title VIII of the Regulation (EC) no. 1907/2006:

This product does not contain any ingredients of very high concern according to REACH EC no. 1907/2006, Art. 57 low concentration limit of $\geq 0,1 \%$ (w/w).

National regulations, e.g.:

Water hazard class: not applicable

Technical instructions on Air Quality Control (TA-Luft)
Not regulated

Other relevant regulations: none

15.2 Chemical safety assessment

No chemical safety assessment has been necessary on this mixture.

Section 16: Other information

Indication of changes

Adaption to the classification and labelling according to directive (EC) no. 1272/2008
Section 1: Emergency phone number.

Abbreviations and acronyms

n.a. Not applicable
n.d. Not determined

Key literature references and sources for data

Gestis substance data base - <http://gestis.itrust.de/>
Federal Agency for Industrial Health and Safety - www.baua.de

Classification for mixtures and used evaluation method according to regulation (EC) 1207/2008 [CLP]:

Relevant R-, H- and EUH-phrases (number and full text): Not applicable for this mixture.

Training advice

Provide adequate information, instruction and training for operators / technicians using this product.

Further information

This information is based on our present state of knowledge. It should therefore not be construed as guaranteeing specific properties of the products described or their suitability for a particular application. We do not take any responsibility for possible sources of errors or sufficiency of this document. The user of the product accepts the sole responsibility to adhere to all herein mentioned regulations. It is the user's obligation to read this document carefully.