

KERR

Material Safety Data Sheet

in accordance with Community Regulation 2006/1907/EC (R.E.A.Ch.)

Revision Date: 17th September 2009

SECTION 1

Product & Company identification

1.1 Product name

AL-GI-NOT Base Paste (All viscosities and set times, cartridge & bulk)

1.2 Uses/Application:

Dental impression material.

1.3 Company (Name, address and info phone number)

Kerr Corporation

1717 West Collins Avenue

92867 Orange – CALIFORNIA (U.S.A.)

00-800-41-050-505

1.4 Emergency phone (according to communitarian directive 99/45/EC, article 17)

+39.081.8508.325 (08.00-17.00, European time, GMT+1)

E-mail address: safety@kerrhawe.com

SECTION 2

Hazard identification

2.1 Hazard classification (according to communitarian directives 67/548/EEC & 99/45/EC)

None.

2.2 Other hazard

None.

SECTION 3

Composition/Information on Ingredients

(according to communitarian directives 67/548/EEC, 99/45/EC & 2001/58/EC)

3.1 Hazardous ingredients

HAZARDOUS INGREDIENTS	%	HAZARD SYMBOLS	RISK PHRASES	CAS N.	EINECS N.
None	N/A	N/A	N/A	N/A	N/A

3.2 Other non-hazardous ingredients

Quartz and hydrophobic silica.

SECTION 4**First aid measures**

4.1 Treatment for eye contact: Flush with water for 15 minutes. Get medical attention.

4.2 Treatment for skin contact: Flush with water, then wash with soap and water.

4.3 Treatment for inhalation (breathing): Move individual to fresh air.

4.4 Treatment for ingestion (swallowing): Do not give fluids or induce vomiting. Get medical attention.

SECTION 5**Fire-fighting Measures**

5.1 Suitable extinguishing media: Water spray, carbon dioxide and dry chemical.

5.2 Forbidden extinguishing media: None known.

5.3 Special fire fighting measures: None known.

5.4 Unusual fire and explosion hazards: Irritating fumes may develop when product is heated. Avoid eye and skin contact. Do not breathe fumes.

5.5 Special protection equipment: Sealed overall.

SECTION 6**Accidental Release Measures**

6.1 Personal Precautions: Follow recommended precautions listed in other sections.

6.2 Environmental Precautions: Material should not be allowed to drain into sewers.

6.3 Reclaiming Methods: Absorb spill with paper towels and transfer into suitable containers.

SECTION 7**Handling and Storage** (according to article 5 of communitarian directive 98/24/EC)

7.1 Handling Precautions: Avoid heating of the product.

7.2 Precautions in case of Fire and Explosion: Extinguish all ignition sources.

7.3 Storage Conditions: Store in a cool, dry area.

7.4 Suggested container(s): Original sealed containers provided by manufacturer.

7.5 Indication for Combined Storage: Avoid contact with oxidizing agents.

7.6 Environmental precautions: Do not allow product to reach sewers and rivers.

7.7 Other Precautions: Use according to directions.

SECTION 8**Exposure controls/personal protection****8.1 Exposure Limits:**For **Quartz**:TWA/TLV: 0,025 mg/m³;For **Hydrophobic silica**:TWA/TLV: 6 mg/m³; TWA/PEL: 10 mg/m³*Note: the above occupational exposure limits are referred to substances at native state and therefore intended as pure reference. These chemicals are dispersed into a complex matrix and therefore not easily available.***8.2 Exposure control measures****8.2.1 Precautionary Measures:***(according to communitarian directives 89/686/EEC & article 4 of 98/24/EC)***Ventilation:**Local Exhaust Ventilation: Use the product in a well ventilated area.Special Ventilation: None.Mechanical (General) Ventilation: Should be sufficient.Other Ventilation: None.**Respiratory Protection:**

Not required.

Hands Protection:

Impervious rubber or nitrile gloves.

Eyes Protection:

Safety glasses. Do not wear contact lenses.

Skin Protection:

Handle in accordance with good personal hygiene and safety practices.

Other Protective Equipments:

It would be better use a lab coat.

*Measures listed in this paragraph are to be considered as indications and NOT prescriptions (89/656/EEC)***8.2.2 Environment exposure control measures**

Not Applicable.

SECTION 9**Physical and Chemical Properties****9.1 General information**Appearance: Light yellow pasteOdour: Slight fruity odour**9.2 Information related to health, safety and environment**pH: Not determined (N/D)Relative density: Not availableBoiling point: Not applicable (N/A)Specific gravity: ~ 1,25 g/mlFlash point: 142°CSolubility: Insoluble in waterFlammability: Not flammable.Partition coefficient n-octanol/water: N/DLower Explosivity Limit (L.E.L.): N/AViscosity: N/DUpper Explosivity Limit (U.E.L.): N/AVapour density (air = 1): N/DOxidizing properties: NoneEvaporation rate (n-butane = 1): N/AVapour pressure: N/DMelting point: N/A**9.3 Other information (according to communitarian directives 94/9/EC):**Miscibility: N/A.Conducibility: N/ASolubility in Lipids: N/AGases Group: N/A

SECTION 10**Stability and Reactivity**

Stability: Stable.

10.1 Conditions to avoid: Elevated temperatures or open flame.

10.2 Materials to avoid (incompatibility): Oxidizing agents.

10.3 Hazardous decomposition products: Not applicable.

Other precautions:

Hazardous Polymerization Products: Will not occur.

Safety significance in case of change in physical appearance: None known

Stabilizers: Product is not stabilized.

SECTION 11**Toxicological Information**

CMR effects (Carcinogenicity, Mutagenicity and toxicity for reproduction):

None.

Effects and hazards of eye contact: May cause irritation.

Effects and hazards of skin contact: May cause mild irritation.

Effects and hazards of Inhalation (Breathing): May cause low or mild irritation.

Effects and hazards of Ingestion (Swallowing): Although ingestion is an unlikely event, the product may be harmful if swallowed.

Effects for prolonged Exposure: Unknown.

Toxic-kinetic effects: Unknown.

Effects on metabolism: Unknown.

Toxicological data for ingredients:

Hydrophobic silica	LD ₅₀ (oral rat):	> 5000 mg/Kg
Quartz (silica)	LD ₅₀ (oral rat):	> 22500 mg/Kg

SECTION 12**Ecological Information**

This product has not known ecological hazardous effects.

12.1 Eco-toxicity: Not available

12.2 Mobility: Not available

12.3 Persistence and degradability: Not available

12.4 Bioaccumulative potential: Not available.

12.5 Results of PBT (Persistent Bio-Toxicity) assessment: Not available

12.6 Other adverse effects: Not available

Aquatic toxicity data for single ingredient:

Quartz (silica)	LC ₅₀ (carp):	> 10000 mg/l (72 hours)
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SECTION 13**Disposal considerations**

Dispose of in accordance of local regulations.

SECTION 14**Transport information**

14.1 Sea transportation (IMDG)

The product is not regulated.

14.2 Air transportation (ICAO/IATA)

The product is not regulated.

14.3 Transportation by Road/Railway (RID/ADR)

The product is not regulated

SECTION 15 (Classification according to communitarian directives 67/548/EEC & 99/45/EC)**Regulatory information**

Hazard labelling not required.

This product is an exempted medical device (directive 1999/45/EC, article 1, paragraph 5g).

SECTION 16**Other information**16.1 Risk phrases of all ingredients

None.

16.1.1 Safety phrases of all ingredients

None.

16.2 Sources of key data used to compile the Safety Data Sheet:European Chemicals Bureau (ECB – www.ecb.jrc.it)European chemical Substances Information System (ESIS - www.ecb.jrc.it/esis)A.C.G.I.H. (www.acgih.org)N.I.O.S.H. (www.cdc.gov/niosh/)O.S.H.A. (www.osha.gov/)U.E. (www.europa.eu/index_it.htm)I.A.R.C. (www.iarc.fr/)N.T.P. (www.ntp.niehs.nih.gov)European Community Directives:

67/548/EEC:	Classification, packaging and labelling of dangerous substances.
99/45/EC:	Directive concerning the approximation of the laws, regulations and administrative provisions of the Member States relating to the classification, packaging and labelling of dangerous preparations.
2001/58/EC:	Second amendment of directive 91/155/EEC for the definition of a detailed arrangement of specific information relating to dangerous preparations (art. 14 of 99/45/EC) and substances (art. 27 of 67/548/EEC).
89/656/EEC:	Directive on the minimum health and safety requirements for the use by workers of personal protective equipment at the workplace (third individual directive within the meaning of Article 16 (1) of Directive 89/391/EEC).
89/686/EEC:	Approximation of the laws of the Member States relating to personal protective equipment.
94/9/EC:	Approximation of the laws of the Member States concerning equipment and protective systems intended for use in potentially explosive atmospheres
98/24/EC:	Protection of the health and safety of workers from the risks related to chemical agents at work.

Document modification history: First version in compliance of Community Regulation 2006/1907/EC (R.E.A.Ch.)

CAUTION: PRODUCT FOR PROFESSIONAL USE

The information on this Safety Sheet is based on presently available data and to our best knowledge for the correct handling of the product under normal conditions. Any use of this product in any way not indicated on this Sheet or the use of this product together with any other process/procedure will be exclusively under the user's responsibility. This document does not constitute explicit or implicit warranty of product quality or fitness for a particular purpose.

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Material Safety Data Sheet

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1.1 Product name

AL-GI-NOT Catalyst Paste (All viscosities and set times, cartridge & bulk)

1.2 Uses/Application:

Dental impression material.

1.3 Company (Name, address and info phone number)

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2.2 Other hazard

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Composition/Information on Ingredients

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3.1 Hazardous ingredients

HAZARDOUS INGREDIENTS	%	HAZARD SYMBOLS	RISK PHRASES	CAS N.	EINECS N.
None	N/A	N/A	N/A	N/A	N/A

3.2 Other non-hazardous ingredients

Wollastonite and hydrophobic silica.

SECTION 4**First aid measures**

- 4.1 Treatment for eye contact: Flush with water for 15 minutes. Get medical attention.
- 4.2 Treatment for skin contact: Flush with water, then wash with soap and water.
- 4.3 Treatment for inhalation (breathing): Move individual to fresh air.
- 4.4 Treatment for ingestion (swallowing): Do not give fluids or induce vomiting. Get medical attention.

SECTION 5**Fire-fighting Measures**

- 5.1 Suitable extinguishing media: Water spray, carbon dioxide and dry chemical.
- 5.2 Forbidden extinguishing media: None known.
- 5.3 Special fire fighting measures: None known.
- 5.4 Unusual fire and explosion hazards: Irritating fumes may develop when product is heated. Avoid eye and skin contact. Do not breathe fumes.
- 5.5 Special protection equipment: Sealed overall.

SECTION 6**Accidental Release Measures**

- 6.1 Personal Precautions: Follow recommended precautions listed in other sections.
- 6.2 Environmental Precautions: Material should not be allowed to drain into sewers.
- 6.3 Reclaiming Methods: Absorb spill with paper towels and transfer into suitable containers.

SECTION 7**Handling and Storage** (according to article 5 of communitarian directive 98/24/EC)

- 7.1 Handling Precautions: Avoid heating of the product.
- 7.2 Precautions in case of Fire and Explosion: Extinguish all ignition sources.
- 7.3 Storage Conditions: Store in a cool, dry area.
- 7.4 Suggested container(s): Original sealed containers provided by manufacturer.
- 7.5 Indication for Combined Storage: Avoid contact with oxidizing agents.
- 7.6 Environmental precautions: Do not allow product to reach sewers and rivers.
- 7.7 Other Precautions: Use according to directions.

KERRMaterial Safety Data Sheet for: **AL-GI-NOT Catalyst Paste (All viscosities and set times****SECTION 8****Exposure controls/personal protection**

8.1 Exposure Limits:	For Wollastonite : <u>TWA/TLV</u> : 3 mg/m ³ ; <u>TWA/PEL</u> : 5 mg/m ³ ; For Hydrophobic silica : <u>TWA/TLV</u> : 6 mg/m ³ ; <u>TWA/PEL</u> : 10 mg/m ³ <i>Note: the above occupational exposure limits are referred to substances at native state and therefore intended as pure reference. These chemicals are dispersed into a complex matrix and therefore not easily available</i>
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8.2 Exposure control measures**8.2.1 Precautionary Measures:***(according to communitarian directives 89/686/EEC & article 4 of 98/24/EC)*

Ventilation:	<u>Local Exhaust Ventilation</u> : Use the product in a well ventilated area. <u>Special Ventilation</u> : None. <u>Mechanical (General) Ventilation</u> : Should be sufficient. <u>Other Ventilation</u> : None.
Respiratory Protection:	Not required.
Hands Protection:	Impervious rubber or nitrile gloves.
Eyes Protection:	Safety glasses. Do not wear contact lenses.
Skin Protection:	Handle in accordance with good personal hygiene and safety practices.
Other Protective Equipments:	It would be better use a lab coat.

*Measures listed in this paragraph are to be considered as indications and NOT prescriptions (89/656/EEC)***8.2.2 Environment exposure control measures**

Not Applicable.

SECTION 9**Physical and Chemical Properties****9.1 General information**

<u>Appearance</u> : White paste	<u>Odour</u> : Slight fruity odour
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9.2 Information related to health, safety and environment

<u>pH</u> : Not determined (N/D)	<u>Relative density</u> : Not available
<u>Boiling point</u> : Not applicable (N/A)	<u>Specific gravity</u> : ~ 1,25 g/ml
<u>Flash point</u> : 142°C	<u>Solubility</u> : Insoluble in water
<u>Flammability</u> : Not flammable.	<u>Partition coefficient n-octanol/water</u> : N/D
<u>Lower Explosivity Limit (L.E.L.)</u> : N/A	<u>Viscosity</u> : N/D
<u>Upper Explosivity Limit (U.E.L.)</u> : N/A	<u>Vapour density (air = 1)</u> : N/D
<u>Oxidizing properties</u> : None	<u>Evaporation rate (n-butane = 1)</u> : N/A
<u>Vapour pressure</u> : N/D	<u>Melting point</u> : N/A

9.3 Other information (according to communitarian directives 94/9/EC):

<u>Miscibility</u> : N/A.	<u>Conducibility</u> : N/A
<u>Solubility in Lipids</u> : N/A	<u>Gases Group</u> : N/A

SECTION 10**Stability and Reactivity**

Stability: Stable.

10.1 Conditions to avoid: Elevated temperatures or open flame.

10.2 Materials to avoid (incompatibility): Oxidizing agents.

10.3 Hazardous decomposition products: Not applicable.

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