

SAFETY DATA SHEETS

This SDS packet was issued with item:

077181605

The safety data sheets (SDS) in this packet apply to one or more components included in the items listed below. Items listed below may require one or more SDS. Please refer to invoice for specific item number(s).

071039908 077181613 077181621 077181639 077181662 077181704 273024645

Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard.

Identity **Lab-Putty Activator****Section I**

Manufacturer's Name	Coltène/Whaledent Inc.	Emergency Tel. No.	201-512-8000
Address	750 Corporate Drive	Tel. No. for Information	201-512-8000
	Mahwah, NJ 07430	Date Prepared	1993-11
		Signature of Preparer	

Section II - Hazardous Ingredients / Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended (optio	%
Dialkyltin dicarboxylates	0.1mg(Sn)/m3 (skin)	0.1mg(Sn)/m3 (skin)		8
Alkylsilicates		1 ppm		2

Section III - Physical/Chemical Characteristics

Boiling Point	> 150 °C	Specific Gravity	1.0
Vapor Pressure at °C	n.a. (mm Hg)	Melting Point	n.a. °C
Vapor Density (AIR = 1)	> 1	Evaporation Rate	n.a. (Butyl acetate = 1
Solubility in Water	none		
Appearance and Odor	blue jelly paste		

Section IV - Fire and Explosion Hazard Data

Flash Point	> 150 °C	Flammable Limits at °C	LEL n.a. %	UEL n.a. %
Extinguishing Media	water fog, spray, halones, CO ₂ , dry extinguishing media, sand			
Special Fire Fighting Procedures	none			
Unusual Fire and Explosion Hazards	none			

Section V - Reactivity Data

Stability	Unstable	<input type="checkbox"/>	Conditions to Avoid
	Stable	<input checked="" type="checkbox"/>	none
Incompatibility (Materials to Avoid)	none		
Hazardous Decomposition or Byproducts	none		
Hazardous Polymerization	May Occur	<input type="checkbox"/>	Conditions to Avoid
	Will Not Occur	<input checked="" type="checkbox"/>	none

b-Putty Activator

Section VI - Health Hazard Data

Routes of Entry	Inhalation	Skin	Ingestion
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Health Hazards (Acute and Chronic)	Interaction of unset mixed polysiloxane impression materials with the mucous membrane after temporary contact has not been reported		
Carcinogenicity	NTP	IARC Monographs	OSHA Regulated
	none		
Signs and Symptoms of Exposure	none		
Medical Conditions	n.n.		
Generally Aggravated by Exposure			
Emergency and First Aid Procedures	n.a.		

Section VII - Precautions for Safe Handling and Use

Steps to Be Taken Case Material Is Released or Spilled	Remove set material. Silicone rubber preparations do not cause disturbances in sewage plants.
Waste Disposal Method	According to local prescriptions.
Precautions to Be Taken Handling and Storing	Store in a cold, dry place, water will decompose the activator. Pure, unmixed catalyst may be irritant to the eye or allergenic to skin.
Other Precautions	Follow mixing instructions. Wear gloves and avoid direct contact with pure unmixed catalyst. The product should only be supplied to dentists or dental technicians or upon their instructions.

Section VIII - Control Measures

Respiratory Protection (Specify Type)	not required
ventilation	Local Exhaust - Special - Mechanical (General) - Other -
Protective Gloves	X
Eye Protection	-
Other Protective Clothing or Equipment	
Work / Hygienic Practices	Wash hands before breaks and after the end of a day's work.

Section IX - Information

replace MSDS dated 1993-07-06

according to Regulation (EC) No 1907/2006

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SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Lab Putty Activator

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

Activator.

1.3. Details of the supplier of the safety data sheet

Company name: COLTENE/Whaledent AG
Street: Feldwiesenstrasse 20
Place: CH-9450 Altstätten
Telephone: +41 (71) 75 75 300
Telefax: +41 (71) 75 75 301
e-mail: info.ch@coltene.com
Internet: www.coltene.com
Responsible Department: Regulatory Affairs
msds@coltene.com

1.4. Emergency telephone number: +41 (0) 44 251 51 51 - Tox Info Suisse (24 h)

Further Information

Only supplied to dentists and dental laboratories or upon their instructions
The product is intended for professional use.

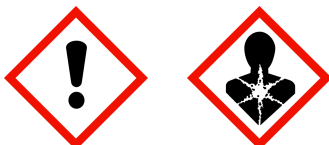
SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Regulation (EC) No. 1272/2008**

Hazard categories:
Acute toxicity: Acute Tox. 4
Skin corrosion/irritation: Skin Irrit. 2
Serious eye damage/eye irritation: Eye Irrit. 2
Specific target organ toxicity - repeated exposure: STOT RE 2
Hazard Statements:
Harmful if inhaled.
Causes skin irritation.
Causes serious eye irritation.
May cause damage to organs through prolonged or repeated exposure.

*

2.2. Label elements**Regulation (EC) No. 1272/2008****Hazard components for labelling**

Alkyl silicates

Signal word: Warning**Pictograms:****Hazard statements**

H315 Causes skin irritation.

according to Regulation (EC) No 1907/2006

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H319 Causes serious eye irritation.
 H332 Harmful if inhaled.
 H373 May cause damage to organs through prolonged or repeated exposure.

Precautionary statements

P202 Do not handle until all safety precautions have been read and understood.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P337+P313 If eye irritation persists: Get medical advice/attention.
 P302+P352 IF ON SKIN: Wash with plenty of water.
 P332+P313 If skin irritation occurs: Get medical advice/attention.
 P260 Do not breathe dust/fume/gas/mist/vapours/spray.
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P314 Get medical advice/attention if you feel unwell.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous components

CAS No	Chemical name	Quantity
	EC No	
	Index No	
	REACH No	
	GHS Classification	
	Alkyl silicates	15 - < 20 %
	Flam. Liq. 3, Acute Tox. 3, Skin Irrit. 2, Eye Irrit. 2, STOT SE 3, STOT RE 2, Aquatic Chronic 4; H226 H331 H315 H319 H335 H373 H413	
68299-15-0	Dioctyltindineodecanoate	5 - < 10 %
	269-595-4	
	STOT SE 2; H371	

Full text of H and EUH statements: see section 16.

Further Information

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SECTION 4: First aid measures

4.1. Description of first aid measures

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: Water and soap.

After contact with eyes

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

After ingestion

Seek medical attention if problems persist.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Water. Foam. Extinguishing powder. Carbon dioxide (CO₂). Sand.

according to Regulation (EC) No 1907/2006

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Additional information

Co-ordinate fire-fighting measures to the fire surroundings.

SECTION 6: Accidental release measures**6.2. Environmental precautions**

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

Wipe up with absorbent material (eg. cloth, fleece). Clear contaminated areas thoroughly.

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**

The product is intended for professional use.

Avoid contact with skin and eyes.

Observe instructions for use.

Further information on handling

After use replace the closing cap immediately.

7.2. Conditions for safe storage, including any incompatibilities**Further information on storage conditions**

Keep the packing dry and well sealed to prevent contamination and absorption of humidity.

Recommended storage temperature: 15 - 23 °C

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****8.2. Exposure controls****Protective and hygiene measures**

When using do not eat, drink or smoke.

Eye/face protection

Eye glasses with side protection

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Hand protection

Suitable material: When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Disposable gloves - Suitable material: NBR (Nitrile rubber).

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Skin protection

Wear suitable protective clothing.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state:	Paste
Colour:	blue
Odour:	characteristic

Test method**Changes in the physical state**

Initial boiling point and boiling range: >150 °C

according to Regulation (EC) No 1907/2006

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Density (at 23 °C): 1.0 g/cm³Water solubility:
(at 23 °C) insoluble**Solubility in other solvents**

ketone.

SECTION 10: Stability and reactivity**10.2. Chemical stability**

The product is chemically stable under recommended conditions of storage, use and temperature.

10.4. Conditions to avoid

Air, humid.

Further information

Keep the packing dry and well sealed to prevent contamination and absorption of humidity.

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Acute toxicity**

Harmful if inhaled.

LD50: >2000 mg/kg (Rat)

The statement is derived from products of similar composition.

ATEmix calculated

ATE (inhalation vapour) 15.38 mg/l; ATE (inhalation aerosol) 2.564 mg/l

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
	Alkyl silicates				
	inhalation vapour	ATE 3 mg/l			
	inhalation aerosol	ATE 0,5 mg/l			

Irritation and corrosivity

Causes serious eye irritation.

Irritant effect on the skin: (Rabbit)

Not an irritant.

The statement is derived from products of similar composition.

Sensitising effects

Guinea-pig.

no danger of sensitization.

The statement is derived from products of similar composition.

Carcinogenic/mutagenic/toxic effects for reproduction

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

STOT-single exposure

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

STOT-repeated exposure

May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard

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

SECTION 12: Ecological information

according to Regulation (EC) No 1907/2006

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Further information

Avoid release to the environment.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Advice on disposal**

Dispose of waste according to applicable legislation.

SECTION 14: Transport information**Land transport (ADR/RID)****14.1. UN number:** -----**Other applicable information (land transport)**

No dangerous good in sense of these transport regulations.

Marine transport (IMDG)**14.1. UN number:** -----**Other applicable information (marine transport)**

No dangerous good in sense of these transport regulations.

Air transport (ICAO-TI/IATA-DGR)**14.1. UN number:** -----**Other applicable information (air transport)**

No dangerous good in sense of these transport regulations.

Other applicable information

Not a hazardous material with respect to these transportation regulations.

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulatory information****Additional information**

SECTION 16: Other information**Changes**

* Data changed compared with the previous version

Abbreviations and acronymsADR: 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

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

Relevant H and EUH statements (number and full text)

H226 Flammable liquid and vapour.

H315 Causes skin irritation.

according to Regulation (EC) No 1907/2006

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H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H371	May cause damage to organs (immune system) if swallowed.
H373	May cause damage to organs through prolonged or repeated exposure.
H413	May cause long lasting harmful effects to aquatic life.

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 data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)

according to Regulation (EC) No 1907/2006

Lab Putty Base

Revision date: 20.04.2015

Print date: 30.04.2015

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SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Lab Putty Base

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

for dental use only

1.3. Details of the supplier of the safety data sheet

Company name:	Coltène/Whaledent AG
Street:	Feldwiesenstrasse 20
Place:	CH-9450 Altstätten
Telephone:	+41 (71) 75 75 300
Telefax:	+41 (71) 75 75 301
e-mail:	info.ch@coltene.com
Internet:	www.coltene.com
Responsible Department:	Regulatory Affairs msds@coltene.com

Further Information

Only supplied to dentists and dental laboratories or upon their instructions

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture**

This mixture is classified as not hazardous according to Regulation (EC) 1272/2008 [GHS].
The preparation is not dangerous in the sense of Directive 1999/45/EC.
Preparation/mixture without hazards for human health or environment

2.2. Label elements**Hazardous components which must be listed on the label**

According to EC directive 1999/45/EC or annex VI of directive 67/548/EEC the preparation does not have to be labelled.

SECTION 3: Composition/information on ingredients**3.2. Mixtures****Chemical characterization**

Polymer preparations and compounds

SECTION 4: First aid measures**4.1. Description of first aid measures****General information**

No special measures are necessary.

After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**Water. Foam. Extinguishing powder. Carbon dioxide (CO₂). Sand.

according to Regulation (EC) No 1907/2006

Lab Putty Base

Revision date: 20.04.2015

Print date: 30.04.2015

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Additional information

Co-ordinate fire-fighting measures to the fire surroundings.

SECTION 6: Accidental release measures**6.2. Environmental precautions**

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

Wipe up with absorbent material (eg. cloth, fleece). Clear contaminated areas thoroughly.

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**No special precautionary measures are necessary.
Observe instructions for use.**7.2. Conditions for safe storage, including any incompatibilities****Further information on storage conditions**Keep the packing dry and well sealed to prevent contamination and absorption of humidity.
Recommended storage temperature: 15 - 23 °C**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****8.2. Exposure controls****Protective and hygiene measures**

When using do not eat, drink or smoke.

Hand protectionSingle-use gloves.
Unsuitable material: NR (Natural rubber (Caoutchouc), Natural latex).**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**Physical state: Paste
Colour:**Test method****Changes in the physical state**

Initial boiling point and boiling range: >150 °C

Water solubility: insoluble
(at 23 °C)**Solubility in other solvents**

ketone.

SECTION 10: Stability and reactivity**Further information**

No special measures are necessary.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

according to Regulation (EC) No 1907/2006

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Acute toxicity

LD50: >2000 mg/kg (Rat)

The statement is derived from products of similar composition.

Irritation and corrosivity

Irritant effect on the skin: (Rabbit)

Not an irritant.

The statement is derived from products of similar composition.

Sensitising effects

Guinea-pig.

no danger of sensitization.

The statement is derived from products of similar composition.

SECTION 12: Ecological information**Further information**

No special environmental measures are necessary.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Advice on disposal**

Can be burnt together with household waste in compliance with official regulations in contact with approved waste disposal companies and with authorities in charge.

SECTION 14: Transport information**Other applicable information**

Not a hazardous material with respect to these transportation regulations.

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulatory information****Additional information**

SECTION 16: Other information**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 data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)