

## **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 <sub>2</sub> , 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	Remove set material.
Case Material Is Released or Spilled	Silicone rubber preparations do not cause disturbances in sewage plants.
Waste Disposal Method	According to local prescriptions.
Precautions to Be Taken	Store in a cold, dry place, water will decompose the activator.
Handling and Storing	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

**Lab Putty Activator**

Revision date: 18.06.2015

Print date: 25.06.2015

Page 1 of 5

**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:	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****Classification according to Directive 67/548/EEC or 1999/45/EC**

Indications of danger: Xn - Harmful

R phrases:

Harmful: danger of serious damage to health by prolonged exposure if swallowed.

May cause long-term adverse effects in the aquatic environment.

**Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Hazard categories:

Skin corrosion/irritation: Skin Irrit. 2

Serious eye damage/eye irritation: Eye Irrit. 2

Specific target organ toxicity - repeated exposure: STOT RE 2

Hazardous to the aquatic environment: Aquatic Chronic 4

Hazard Statements:

Causes skin irritation.

Causes serious eye irritation.

May cause damage to organs through prolonged or repeated exposure.

May cause long lasting harmful effects to aquatic life.

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

Alkyl silicates

Signal word:

Warning

Pictograms:

GHS07-GHS08



according to Regulation (EC) No 1907/2006

### Lab Putty Activator

Revision date: 18.06.2015

Print date: 25.06.2015

Page 2 of 5

#### Hazard statements

H315	Causes skin irritation.
H319	Causes serious eye irritation.
H373	May cause damage to organs through prolonged or repeated exposure.
H413	May cause long lasting harmful effects to aquatic life.

#### Precautionary statements

P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352	IF ON SKIN: Wash with plenty of water.
P332+P313	If skin irritation occurs: Get medical advice/attention.
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.
P314	Get medical advice/attention if you feel unwell.
P273	Avoid release to the environment.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

##### Hazardous components

EC No	Chemical name	Quantity
CAS No	Classification according to Directive 67/548/EEC	
Index No	Classification according to Regulation (EC) No. 1272/2008 [CLP]	
REACH No		
	Alkyl silicates	15 - < 20 %
	Xn - Harmful, Xi - Irritant R10-20-36/37/38-48/22-53	
	Flam. Liq. 3, Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2, STOT SE 3, STOT RE 2, Aquatic Chronic 4; H226 H332 H315 H319 H335 H373 H413	
246-325-3	Dioctyltin dicarboxylate	5 - < 10 %
24577-34-2	Xn - Harmful R48/22-53	
	STOT RE 2, Aquatic Chronic 4; H373 H413	

Full text of R-, H- and EUH-phrases: see section 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### 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 (CO<sub>2</sub>). Sand.

##### Additional information

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

according to Regulation (EC) No 1907/2006

**Lab Putty Activator**

Revision date: 18.06.2015

Print date: 25.06.2015

Page 3 of 5

**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**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**

Framed glasses.

**Hand protection**

Single-use gloves.

**Skin protection**

Lab apron.

**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: &gt;150 °C

Density (at 23 °C): 1.0 g/cm<sup>3</sup>Water solubility:  
(at 23 °C) insoluble**Solubility in other solvents**

ketone.

**SECTION 10: Stability and reactivity**

according to Regulation (EC) No 1907/2006

**Lab Putty Activator**

Revision date: 18.06.2015

Print date: 25.06.2015

Page 4 of 5

**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**

LD50: >2000 mg/kg (Rat)

The statement is derived from products of similar composition.

CAS No	Chemical name				
	Exposure routes	Method	Dose	Species	Source
	Alkyl silicates				
	inhalative vapour	ATE	11 mg/l		
	inhalative aerosol	ATE	1.5 mg/l		
24577-34-2	Dioctyltin dicarboxylate				
	oral	LD50	2764 mg/kg	Rat	
	dermal	LD50	2764 mg/kg	Rabbit	

**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.

**Severe effects after repeated or prolonged exposure**

May cause damage to organs through prolonged or repeated exposure.

**SECTION 12: Ecological information****12.1. Toxicity**

CAS No	Chemical name					
	Aquatic toxicity	Method	Dose	[h]   [d]	Species	Source
24577-34-2	Dioctyltin dicarboxylate					
	Acute fish toxicity	LC50	22.8 mg/l	96 h		
	Acute crustacea toxicity	EC50	12.2 mg/l	48 h	Daphnia magna	

**Further information**

May cause long-term adverse effects in the aquatic environment.

Do not allow uncontrolled leakage of product into the environment.

**SECTION 13: Disposal considerations**

according to Regulation (EC) No 1907/2006

**Lab Putty Activator**

Revision date: 18.06.2015

Print date: 25.06.2015

Page 5 of 5

**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****Land transport (ADR/RID)****14.1. UN number:** -----**Marine transport (IMDG)****14.1. UN number:** -----**Air transport (ICAO)****14.1. UN number:** -----**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****Relevant R-phrases (Number and full text)**

10	Flammable.
20	Harmful by inhalation.
36/37/38	Irritating to eyes, respiratory system and skin.
48/22	Harmful: danger of serious damage to health by prolonged exposure if swallowed.
53	May cause long-term adverse effects in the aquatic environment.

**Relevant H- and EUH-phrases (Number and full text)**

H226	Flammable liquid and vapour.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
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

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Page 1 of 3

**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 (CO<sub>2</sub>). Sand.

according to Regulation (EC) No 1907/2006

**Lab Putty Base**

Revision date: 20.04.2015

Print date: 30.04.2015

Page 2 of 3

**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 protection**Single-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: &gt;150 °C

Water solubility:  
(at 23 °C) insoluble**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

**Lab Putty Base**

Revision date: 20.04.2015

Print date: 30.04.2015

Page 3 of 3

**Acute toxicity**

LD50: &gt;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**

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**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.)*