

## **SAFETY DATA SHEETS**

**This SDS packet was issued with item:**

077181621

**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).**

077181605 077181639 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 <input type="checkbox"/>
	Mechanical (General) <input type="checkbox"/>
	Special <input type="checkbox"/>
	Other <input type="checkbox"/>
Protective Gloves	<input checked="" type="checkbox"/>
	Eye Protection <input type="checkbox"/>
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: 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

**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**

Indications of danger: Xn - Harmful, Xi - Irritant

R phrases:

Flammable.

Irritating to respiratory system and skin.

Risk of serious damage to eyes.

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

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

**2.2. Label elements**

Danger symbols: Xn - Harmful



Xn - Harmful

**Hazardous components which must be listed on the label**

Alkyl silicates

**R phrases**

10 Flammable.  
37/38 Irritating to respiratory system and skin.  
41 Risk of serious damage to eyes.  
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.

**S phrases**

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
61 Avoid release to the environment. Refer to special instructions / Safety data sheets.  
36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

**SECTION 3: Composition/information on ingredients**

according to Regulation (EC) No 1907/2006

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**3.2. Mixtures****Hazardous components**

EC No	Chemical name	Quantity
CAS No	Classification	
Index No	GHS classification	
REACH No		
	Alkyl silicates	20 - 25 %
	Xn - Harmful, Xi - Irritant R10-20-37/38-41-48/22-53	
	Diocetyl tin dicarboxylate	5 - 10 %
	Xn - Harmful R48/22-53	

Full text of R and H 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**

Extinguishing materials should be selected according to the surrounding area.

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

Do not empty into drains or the aquatic environment.

**6.3. Methods and material for containment and cleaning up**

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

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

Avoid contact with skin and eyes.

**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 dampness.

according to Regulation (EC) No 1907/2006

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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.

**Eye protection**

Framed glasses.

**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**

Boiling point:	>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****10.4. Conditions to avoid**

Air, humid.

**Further information**

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

**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.

**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.

according to Regulation (EC) No 1907/2006

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**SECTION 12: Ecological information****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****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****SECTION 16: Other information****Full text of R phrases referred to under Sections 2 and 3**

10	Flammable.
20	Harmful by inhalation.
37/38	Irritating to respiratory system and skin.
41	Risk of serious damage to eyes.
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.

**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.)*