

n.a = not applicable, n.k. = not known

1. Identification of the substance / preparation and of the company / undertakings**Product Details:**

Trade Name: Optilon® High Impact Denture Resin (Compounded Polymethyl Methacrylate)

Manufacturer:**Coltène/Whaledent Inc.**235 Ascot Parkway
Cuyahoga Falls, OH 44223 / USA
Fax +1 330 916 7077

Authorized EU Representative

Coltène/Whaledent GmbH+ Co. KGRaiffeisenstrasse 30
89129 Langenau / Germany
Tel. +49 (0) 7345 805 0
Fax +49 (0) 7345 805 201**Emergency Contact Numbers:**

USA & Canada: 1 800 535 5053

Main Phone Number: +1 330 916 8800

2. Composition / Information on Ingredients**Chemical Characterization:** Acrylic Powder Resin**Hazardous Components**Particulates, NoC
Residual Monomer

Wt %

> 90%

< 1%

Index, R/S Phrases

None

None

3. Hazard Identification

Hazard Designation: Non-Hazardous

Information pertaining to particular dangers for man and environment: Nuisance dust. Polymer dust is combustible.

Classification is in line with BC directive 1999/45/EC: Yes

4. First-Aid Measures

After Inhalation: Get to fresh air, if irritation persists, consult a physician.

After Skin Contact: Wash thoroughly with water for 15 minutes. If irritation persists, consult a physician.

After Eye Contact: Flush with water for 15 minutes. If irritation persists, consult a physician.

After Swallowing: Rinse mouth out with water. Contact a physician if large quantities were consumed.

5. Fire-Fighting Measures**Flammability: Combustible Dust Flash Point: 304°C (> 212 °F) LEL: Not Established UEL: Not Established**Extinguishing Media: Water, CO₂, dry chemical or foam.

Unsuitable Extinguishing Media: Avoid extinguishing methods that generate a dust cloud.

Protective Equipment: Wear NIOSH approved self-contained breathing respirator in positive pressure mode.

Special Hazards: Polymer dust is combustible (at limits similar to coal dust).

6. Accidental Release Measures

Personal Precautions: Avoid eye contact by wearing safety goggles; avoid skin contact by wearing rubber gloves.

Environmental Precautions: Do not contaminate food or feed with this product. Keep container closed and upright when not in use.

Methods of Cleaning Up: Sweep up dust to avoid slipping hazard.

7. Handling and Storage

Precautions for Safe Handling: Always wear gloves and eye protection. Keep container closed when not in use.

Storage: Keep out of reach of children. Keep container closed. Store in a cool dry environment.

8. Exposure Controls/Personal Protection

Components with recommended limits for the work place

CAS No.	Description	Wt%	Type / Value
n.a.	Particulates NOC	> 90 %	OSHA PEL 15 mg/m ³
n.a.	Residual Monomer	< 1 %	OSHA PEL 100 ppm

Engineering Controls: Local Exhaust Adequate; mechanical ventilation helpful.

Work/Hygienic Protection: Wash hands and equipment after use.

Hand/Skin Protection: Wear Protective Gloves.

Respiratory Protection: None Needed.

Eye Protection: Wear Safety Goggles.

Date of Issue: October 2009

Coltène/Whaledent Inc.

n.a = not applicable, n.k. = not known

Optilon® High Impact Denture Resin

9. Physical And Chemical Properties

Appearance: Free Flowing Powder
Boiling Point: n.a.
Flammability: No
Vapor Pressure: n.a.
pH: n.a.

Odor: Faint Acrylic
Flash Point: 304 °C (> 212 °F)
Auto flammability: No
Explosive Properties: n.k.
Viscosity: n.a.

Solubility: Insoluble in water
Method: Tag Closed Cup
Density: n.k.
Explosive Limits in Air: N.K.
Method: n.a.

10. Stability and Reactivity

Chemical Stability: Stable
Materials to avoid: Strong Oxidizers

Conditions to avoid: Heating above 240 °C
Hazardous Decomposition Products: Oxides of Carbon

11. Toxicological Information

Acute Toxicity: N.A.
Primary Effects to Skin: Irritation can occur by repeated direct contact.
Primary Effects to Eyes: Irritation can occur by repeated direct contact.
Primary Effects to Respiratory System: Overexposure to dust may cause respiratory tract irritation
Sensitization: N.A.
Additional Toxicological Info: Possible risk of impaired fertility. May cause harm to the unborn child

12. Ecological Information

General Information: N.A.
Classification of Water endangerment: N.A.

13. Disposal Considerations

Product: This material contains Dibutyl phthalate. Contaminated product may be a RCRA/OSHA hazardous waste. Consult local regulatory laws for proper disposal. Completely polymerized materials can be disposed of together with household refuse in accordance with local regulatory law.

14. Transportation Information

DOT Shipping Name:
Compounded Polymethyl Methacrylate
Sea Transport IMDG/GGV Sea
Class: Not Regulated
Air Transport ICAO-Ti and IATA-DGR
Class: Not Regulated

DOT Hazard Class:
Non-Regulated
UN. No.: N.A.
UN. No.: N.A.

UN-No.
N.A.
EmS-No: N.A. MFGA-No: N.A.

15. Regulatory Information

TSCA Inventory Status: This product and/or all of its components are included on the TSCA Inventory of Chemical Substances.
SARA 311/312 Hazard Categories: None
SARA 302 Extremely Hazardous Substances: None
SARA 313 Toxic Chemicals

<u>Chemical Name</u>	<u>CAS-No.</u>	<u>Weight %</u>
Particulates, NOC	N/A	> 90 %
Residual Monomer	N/A	< 1 %

Classification According to EEC Guidelines: R-36-38,43, S-3,7,9,16,20,29,37/39

Classification According to VBF: n.a.

Canadian Regulations require the inclusion of the following statements under "Regulatory Information";

"This product has been classified in accordance with the hazard criteria of the controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations."

16. Other Information

Revision Summary: Changed to Company Format and Updated Address 2/24/04. Added authorized EU Rep on 5/5/04. 10/01/09 Review.

The information and recommendations set forth herein are presented in good faith and are believed to be correct as of the date hereof. Coltène/Whaledent Inc., however, makes no representations as to the completeness of security of this information and supplies it on the condition that the persons receiving same will make their own determination as to its suitability of their purposes prior to use. In no event will Coltène/Whaledent Inc. be responsible for damages of any nature whatsoever resulting from use of or reliance upon information.