

**SAFETY DATA SHEET**

REVISION No: 0

POLYCRILDATE OF REVISION: DECEMBER
2014

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Section 1 Identification**Product Name:**

Trade Name	Polycril
Chemical Name	Calcined silica sand
Formula	SiO ₂

Silica, crystalline quartz (inhalable).

Chemical Name: silicon dioxide, SiO₂. Ingredients: SiO₂, minimum 95%.

Common name: silica sand, silica powder, pulverized sand, filter sand, gravel filter or trade name

Product Manufacturer Information:

Manufacturera Dental Continental, S.A. de C.V.

Industria del Plástico 2113

Fraccionamiento Industrial Zapopan Norte

Zapopan Jalisco México

Tel: + (52) 3833-0333

www.dental.com.mx

Section 2 Hazard (s) Identification:

2.1 Classification of the substance or mixture Not a hazardous substance or mixture.

2.2 GHS Label elements, including precautionary statements Not a hazardous substance or mixture.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS - none

Heath Effects from Exposure By:

Inhalation: N/A

Ingestion: N/A

Eye Contact: N/A

Skin Contact: N/A

Existing information:

Carcinogenicity: N/D

Mutagenicity: N/D

Teratogenicity: N/D

Neurotoxicity: N/D

Reproductive System: N/D

Other effects: N/D

Section 3 Composition/Information on Ingredients

3.1 Substances CAS-No. : 68855-54-9

3.2 EC-No. : 272-489-0

3.3 Component Classification Concentration Diatomaceous earth (Calcined) <= 100 %

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Section 4 First-Aid Measures**4.1 Description of first aid measures****General advice**

Move out of dangerous area.

If inhaled

If breathed in, move person into fresh air.

If not breathing, give artificial respiration.

In case of skin contact

Wash off with soap and plenty of water.

In case of eye contact

Flush eyes with water as a precaution.

If swallowed

Never give anything by mouth to an unconscious person.

Rinse mouth with water.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3 Indication of any immediate medical attention and special treatment needed

No data available

Section 5 FIREFIGHTING MEASURES**5.1 Extinguishing media**

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

No data available

5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

5.4 Further information

No data available

Section 6 ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions, protective equipment and emergency procedures**

Avoid dust formation. Avoid breathing vapours, mist or gas.

For personal protection see section 8.

6.2 Environmental precautions

No special environmental precautions required.

6.3 Methods and materials for containment and cleaning up

Sweep up and shovel. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For disposal see section 13.

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Section 7 HANDLING AND STORAGE**7.1 Precautions for safe handling**

Further processing of solid materials may result in the formation of combustible dusts. The potential for combustible dust formation should be taken into consideration before additional processing occurs.

Provide appropriate exhaust ventilation at places where dust is formed.

For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place.

Keep in a dry place.

Storage class (TRGS 510): Non Combustible Solids

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

Section 8 EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1 Control parameters**

Components with workplace control parameters

Diatomaceous earth (Calcined) 68855-54-9 TWA 20.000000Million particles per cubic foot

USA. Occupational Exposure Limits

(OSHA) - Table Z-3 Mineral Dusts

Remarks Millions of particles per cubic foot of air, based on impinger samples counted by light-field techniques.

mppcf X 35.3 = million particles per cubic meter = particles per c.c

TWA 80.000000mg/m³ / %SiO₂

USA. Occupational Exposure Limits

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USA. Occupational Exposure Limits

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(OSHA) - Table Z-3 Mineral Dusts

TWA 6.000000mg/m³

USA. NIOSH Recommended

Exposure Limits TWA 6.000000 mg/m³

USA. NIOSH Recommended

Exposure Limits

8.2 Exposure controls

Appropriate engineering controls

General industrial hygiene practice.

Personal protective equipment

Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves.

Gloves must be inspected prior to use.

Use proper glove removal technique (without

touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.

Wash and dry hands.

Full contact

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: 480 min

Splash contact

If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves.

This recommendation is advisory only and must be evaluated industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

Body Protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Respiratory protection is not required.

Control of environmental exposure

No special environmental precautions required

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Section 9 Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance Form: powder

Colour: white

Odour No data available

Odour Threshold No data available

pH No data available

Melting point/freezing point

No data available

Initial boiling point and boiling range

No data available

Flash point No data available

Evaporation rate No data available

Flammability (solid, gas) No data available

Upper/lower flammability or explosive limits No data available

Vapour pressure No data available

Vapour density No data available

Relative density No data available

Water solubility 0.0037 g/l at 20 °C (68 °F)

Partition coefficient: noctanol/water

No data available

Auto-ignition temperature

No data available

Decomposition temperature

No data available

Viscosity No data available

Explosive properties Not explosive

Oxidizing properties No data available

Other safety information

No data available

Section 10 Stability and Reactivity

10.1 Reactivity

No data available

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

No data available

10.5 Incompatible materials

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Strong acids, Hydrogen fluoride
10.6 Hazardous decomposition products
Other decomposition products - No data available
In the event of fire: see section 5

Section 11 Toxicological Information**Information on toxicological effects**

Acute toxicity

LD50 Oral - Rat - male and female - > 2,000 mg/kg

(OECD Test Guideline 401)

LC50 Inhalation - Rat - male and female - 4 h - > 2.6 mg/l

(OECD Test Guideline 403)

Dermal: No data available

No data available

Skin corrosion/irritation

No data available

Serious eye damage/eye irritation

Eyes - Rabbit

Result: No eye irritation

(OECD Test Guideline 405)

Respiratory or skin sensitization in vivo assay - Mouse

Did not cause sensitisation on laboratory animals.

Germ cell mutagenicity

Result: negative

Carcinogenicity

IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (Diatomaceous earth (Calcined))

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity

No data available

Specific target organ toxicity - single exposure

No data available

Specific target organ toxicity - repeated exposure

No data available

Aspiration hazard

No data available

Additional Information

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Repeated dose toxicity - Rat - male and female - Oral - No observed adverse effect level - 3,737.9 mg/kg

RTECS: Not available

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Section 12 Ecological Information**12.1 Toxicity**

No data available

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

12.6 Other adverse effects

No data available

Section 13 Disposal Considerations.**13.1 Waste treatment methods**

Product

Contact a licensed professional waste disposal service to dispose of this material. Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging

Dispose of as unused product

Section 14 Transport Information

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

Section 15 Regulatory Information

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

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SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Section 16 Other Information

HMIS Rating

Health hazard: 2

Chronic Health Hazard: *

Flammability: 0

Physical Hazard 0

NFPA Rating

Health hazard: 2

Fire Hazard: 0

Reactivity Hazard: 0

This document conveys information that is accurate to the best knowledge of MDC Dental that makes POLYCRIL, the data contained in this sheet is related only to the specific product designated herein.

MDC Dental does not assume any legal responsibility for the independent use of this data or misuse of the product.