

Safety Data Sheet

1907/2006/EU (Annex II, article 31) – 453/2010/EU
ABRASIVE POLISHING STRIPS

POLYDENTIA SA

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1.1 Identification of the substance/preparation and of the company

Information on the product:

Abrasive Polishing Strips POLYDENTIA
 (various Types, Forms and Grades)

Medical Device Class (according to 93/42/EEC): I – Rule 5

Main use of the product: Contouring and finishing of dental composite restorations

1.2 Information on the manufacturer:

Polydentia SA
 Via Cantonale 47
 6805 Mezzovico-Vira (Switzerland)
 Phone: 0041 (0) 91 946 29 48
 Fax : 0041 (0) 91 946 32 03
 Email : info@polydentia.com

1.3 Information provided by:

Phone: +41 (0) 91 946 29 48

Emergency telephone: +41 (0) 91 946 29 48

2. Composition

Substance	CAS No.
Polyester film backing	25038-59-9
Aluminum oxide mineral	1344-28-1
Phenoxy resin (cured)	None

3. Hazards identification

3.1 Emergency Overview

Immediate health, physical and environmental hazards: The environmental properties of this product present a low environmental hazard. When determining the degree of health hazards, the material being abraded must be considered.

3.2 Potential health effects

<i>Eye Contact</i>	Mechanical eye irritation: Signs/symptoms may include pain, redness, tearing and corneal abrasion.
<i>Ingestion</i>	Physical blockage: Signs/symptoms may include cramping, abdominal pain and constipation.

4. First aid measures

Inhalation:	Not specifically applicable, provided it is handled in accordance with good industrial hygiene and safety practice.
Contact with skin:	Not specifically applicable, provided it is handled in accordance with good industrial hygiene and safety practice.
Contact with eyes:	Flush eyes with large amounts of water. If signs/symptoms persist get medical attention.
If swallowed:	Do not induce vomiting unless instructed to do so by medical personnel. Consult with physician.

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5. Fire fighting measures

5.1 Flammable properties

Flash Point: not applicable
 Flammable limits – LEL / UEL: not applicable

5.2 Suitable extinguishing media

Ordinary combustible material. All extinguishing agents with class A extinguishing agents can be used (e.g. water, foam).

5.3 Protection of fire fighters

Special fire fighting methods: Wear full protective equipment and a self-contained breathing apparatus.

Unusual Fire and Explosion Hazards: not applicable

Note: See Stability and Reactivity (Section 10) for hazardous combustion and thermal decomposition information.

6. Accidental release measures

Not applicable.

In the event of a release of this material, the user should determine if the release qualifies as reportage according to local, state and federal regulations.

7. Handling and storage

Handling: Avoid the build up of dust. Respect the manufacturers handling advice.
 Storage: Store in a cool place. Store under normal warehouse conditions.
 Packaging: Product is packed in a variety of recyclable or reusable packaging.

8. Exposure controls / Personal protection

8.1 Personal protective equipment

Precautionary measures to be taken during use: usual in dental practice

Eye protection: avoid eye contact

Respiratory protection: not required; avoid breathing of dusts created by cutting etc.

Skin protection: not required

Soft oral tissue protection: not required

Prevention of swallowing: not an expected route of exposure; wash hands after handling

8.2 Exposure Guidelines

Ingredient 1	Authority	Type	Limit	Additional Information
Aluminium Oxide Mineral	ACGIH	TWA, particulate matter, <1% crystalline silica	10mg/m3	Table A4
Aluminium Oxide Mineral	CMRG	TWA	1 fiber/cc	
Aluminium Oxide Mineral	OSHA	TWA, respirable	5mg/m3	Table Z-1
Aluminium Oxide Mineral	OSHA	TWA, Vacated, as dust	10mg/m3	
Aluminium Oxide Mineral	OSHA	TWA, as total dust	15mg/m3	Table Z-1

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<i>Ingredient 2</i>	<i>Authority</i>	<i>Type</i>	<i>Limit</i>	<i>Additional Information</i>
Polyester film backing	CMRG	TWA, as respirable dust	5mg/m3	
Polyester film backing	CMRG	TWA, as total dust	10mg/m3	

VAC Vacated PEL: vacated Permissible Exposure Limits (PEL) are enforced as the OSHA PEL in some states. Check with your local regulatory agency.

Source of exposure limit data:

ACGIH: American Conference of Governmental Industrial Hygienists
 CMRG: Chemical Manufacturer Recommended Guideline
 OSHA: Occupational Safety and Health Administration
 AIHA: American Industrial Hygiene Association Workplace Environmental Exposure Level (WEEL)

9. Physical and chemical properties

Appearance: solid, flexible bands of various grade
 Odour: odourless
 Colour: white, blue, green, pink (colour varies by grade)
 pH: not applicable
 Flash Point: not applicable
 Flammability LEL / UEL : not applicable
 Solubility: not applicable
 Vapour Density: not applicable
 Vapour Pressure: not applicable
 Specific Gravity: no Data available

Mineral size grading (grit) of the strips: 30my, 40my, 60my

10. Stability and reactivity

Stability: Stable under normal conditions of use
 Conditions to avoid: Not applicable
 Hazardous polymerisation: Will not occur

Hazardous decomposition or by-products

Carbon monoxide: during combustion
 Carbon dioxide: during combustion

11. Toxicological information

Further information: Does not present any particular hazard, provided is handled in accordance with good industrial hygiene and practice.

12. Ecological information

Ecotoxicological information: Not determined
 Chemical fate information: Not determined

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13. Disposal consideration

Dustbin

N.B. Respect any national or regional provisions which may be in force

14. Transport information

Land ADR/RID : No hazardous material
Sea IMO/IMDG: No hazardous material
Air transport ICAO-II/IATA-DGR: No hazardous material

Customs Harmonized Tariff: 9018.4900

15. Regulatory information

Mark as ECC guideline:
Not necessary to mark

National regulations
Classification as VFB
Not subordinated

R sets: none
S sets: none

16. Other information

FOR PROFESSIONAL USE ONLY

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

The receiver of this product must take responsibility for observing existing laws and national regulations.

POLYDENTIA SA is not held liable for any damage resulting from handling or contact with above mentioned products.