

**E.C. – Safety Data Sheet
 (91/155/EEC)
 TRIA-SHINE**

POLYDENTIA SA
 Status 14.09.2012/AR
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1.1 Identification of the substance/preparation and of the company

Information on the product:

Tria-Shine 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
 CH-6805 Mezzovico-Vira
 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

Eye Contact Mechanical eye irritation: Signs/symptoms may include pain, redness, tearing and corneal abrasion.

Ingestion 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.

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 (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

Recommended use: for dental professional use only
Restriction of use: keep away from children