

MATERIAL SAFETY DATA SHEET

1. INTRODUCTORY AND COMPANY DETAILS

Product Name: RESORCELL POWDER
Other Names: n/a
Recommended Use: In dentistry for the preservation of dental pulp vitality

Company name: SPECIALITIES SEPTODONT Pty Ltd.
Address: 14 Cliffbrook Crescent, Emu Plains, NSW 2750
Telephone: 02 4735 5174
Fax: 02 9482 2612
Emergency Telephone: 07 5522 4880

2. HAZARDS IDENTIFICATION

Hazard Classification: NON-HAZARDOUS, NON-DANGEROUS GOODS

Risk Phrases: None

Safety Phrases: S14 Keep away from strong oxidising agents.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Identity of Ingredients:

| CAS | EC | Name | Symb. | R: | % |
|------------|----|------------|-------|----|-----|
| 52001-91-9 | | ZINC OXIDE | - | - | 100 |

4. FIRST AID MEASURES

General instructions:

In all cases when symptoms persist, seek medical treatment.

Inhalation:

If symptomatic, move to fresh air. If symptoms persists seek medical treatment.

Eye contact:

Rinse opened eye with plenty of water for 15 minutes and seek medical treatment.

Ingestion:

No adverse effect, material is fully biodegradable. It is decomposed or quickly expelled from organism.

Additional information:

None

5. FIRE FIGHTING MEASURES

Extinguishing media:

Water, powder

Special exposure hazards:

In case of fire can be generated carbon monoxide and dioxide and calcium oxide. Powdered material may form explosive dust-air mixtures.

Special protective equipment for fire fighting:

Breathing apparatus at strong evolution of fume or vapours independent on surrounding air is necessary to use in the closed areas.

Additional information:

None

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:

Keep non-protected persons in distance, wear suitable protective clothing and ensure adequate ventilation. Keep away from sources of ignition.

Environmental Precautions and cleanup methods:

Material is biodegradable.

Recommended method of cleaning and disposal:

Mechanical collecting and assemble in proper packing. Remaining material can be rinsed off with water.

7. HANDLING AND STORAGE

Handling:

There are no special requirements for material handling.

Storage:

Store in close vessels at temperature under 25 °C.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Technical measures:

None

Personal protective equipment:**Respiratory protection:**

Is not necessary if adequate ventilation is ensured

Eye protection:

Protective glasses

Hand protection:

Not necessary

Skin protection:

Mostly not necessary, only in cases of skin sensitisation

Additional information:

Wash hands during breaks and at the end of the work. Apply skin-protective barrier cream. Avoid skin and eye contact. Do not eat, drink or smoke while working. Follow standard precautionary measures in handling the chemicals.

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|------------------------------|
| Physical state (20°C): | solid (powder) |
| Colour: | white or yellowish |
| Odour: | slight, characteristic |
| pH value: | not applicable |
| Melting point (°C): | not applicable |
| Boiling point(°C): | not applicable |
| Flash point (°C): | decomposes above 200°C |
| Flammability: | not applicable |
| Self-ignition: | not applicable |
| Explosion limits: | |
| lower (% vol.): | not applicable |
| upper (%vol.): | not applicable |
| Oxidising properties: | not applicable |
| Vapour pressure (20°C): | not applicable |
| Density (20°C): | 0,35-0,45 g.cm ⁻³ |
| Solubility in (20°C): | |
| - water: | insoluble |
| - fats (including specification of oil): | not applicable |
| Partition coefficient n-oktanol/water: | not applicable |
| Additional information: | None |

10. STABILITY AND REACTIVITY

Stable under the normal conditions of handling and storing.

Conditions to be avoided:

not mentioned

Substances and materials to be avoided:

strong oxidising agents

11. TOXICOLOGICAL INFORMATION

Acute toxicity:

- LD₅₀, oral, rat (mg.kg⁻¹): not applicable

- LD₅₀, dermal, rat or rabbit (mg.kg⁻¹): not applicable

- LC₅₀, inhalation, rat, for aerosol or particles (mg.l⁻¹): not applicable

- LC₅₀, inhalation, rat, for gases and vapours (mg.l⁻¹): not applicable

Subacute – chronic toxicity: not applicable

Sensitisation: not applicable

Carcinogenic potential: not applicable

Mutagenicity: not applicable

Teratogenic potential: not applicable

Experiences of influence on man: not applicable

Tests on animals: none

Additional information: material is biodegradable and is used as haemostats and drug carrier

12. ECOLOGICAL INFORMATION

Acute toxicity for aquatic organisms:

| | |
|---|---|
| - LC ₅₀ , 96 hod., fish (mg.l ⁻¹): | not applicable |
| - EC ₅₀ , 48 hod., <i>Daphnia magna</i> (mg.l ⁻¹): | not applicable |
| - IC ₅₀ , 72 hod., Algae (mg/l): | not applicable |
| Dissolubility: | not applicable |
| Toxicity for other environments: | not applicable |
| CHSK: | not applicable |
| BSK ₅ : | not applicable |
| Additional information: | no adverse effects to environment are known |

13. DISPOSAL CONSIDERATIONS

Product:

Disposal must be made according to official regulations.

Packaging:

Disposal must be made according to official regulations.

14. TRANSPORT INFORMATION

Not a dangerous good.

15. REGULATORY INFORMATION

Regulated as an included medical device class III. Included on the Australian Register of Therapeutic Goods, AUST I 138009

Hazard classification according to Approved Criteria for Classifying Hazardous Substances

[NOHSC:1008(2004)] 3rd Edition and the Australian Code for the Transport of Dangerous Goods by Road and Rail (6th Edition)

M.S.D.S prepared in accordance with the National Code of Practice for the Preparation of Material Safety Data Sheets, 2nd Edition [NOHSC:2011(2003)]

16. OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The product must not be used for any purposes other than those specified under heading 1 without first obtaining written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information given on this safety data sheet must be regarded as a description of the safety requirements relating to our product and not a guarantee of its properties.