

Cercon Scan-Powder

material No.		Version	1.1 / GB
specification	136006	Revision date	01.10.2002
VA-Nr		Print Date	30.03.04
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1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING**Product information**

Trade name	:	Cercon Scan-Powder
Company	:	DeguDent GmbH Postfach 1364 D-63403 Hanau
Telephone	:	+49 (0)6181/59-5767
Telefax	:	+49 (0)6181/59-5879
Emergency telephone number	:	+49 (0)180 / 23 24-555
Use of the Substance / Preparation	:	For dental use only.

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	:	Silver
Formula	:	Ag
CAS-No.	:	7440-22-4
EC-No.	:	231-131-3

3. HAZARDS IDENTIFICATION

On the basis of our data, the products is not a hazardous substances as defined by the Chemicals Act or Hazardous Substance Ordinance in the currently valid versions.

4. FIRST AID MEASURES**Inhalation**

In case product dust is released:
Possible discomfort: cough, sneezing
Take affected persons out into the fresh air.

Skin contact

No particular measures required.
Wash off with plenty of water and soap.

Eye contact

Possible discomfort is due to foreign substance effect.
Rinse thoroughly with plenty of water keeping eyelid open.
In case of persistent discomfort
Consult an ophthalmologist.

Ingestion

Rinse mouth.
after absorbing larger amounts of substance:
Consult a physician.

SAFETY DATA SHEET (91/155/EWG)**DeguDent**

A Dentsply International Company

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Notes to physician

after absorbing larger amounts of substance:
acceleration of the gastro-intestinal tract
administration of activated charcoal.

5. FIRE-FIGHTING MEASURES**Suitable extinguishing media**

water, mist, quenching powder, foam

Specific hazards during fire fighting

none known

Special protective equipment for fire-fighters

In the event of fire, wear self-contained breathing apparatus.

Further information

The product itself does not burn.

6. ACCIDENTAL RELEASE MEASURES**Personal precautions**

Wear personal protective equipment.

Environmental precautions

Do not allow entrance in sewage water, soil stretches of water, groundwater, drainage systems.

Methods for cleaning up

Take up mechanically and collect in suitable container for disposal.

Additional advice

Avoid dust formation.

Isolate and seal off defective containers immediately.

7. HANDLING AND STORAGE**Handling****Safe handling advice**

Ensure suitable suction/aeration at the work place and with operational machinery.

Storage**Requirements for storage areas and containers**

Avoid light effect and heat effect.

Keep in a dry, cool place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**Components with workplace control parameters****• Silver**

CAS-No. 7440-22-4

EC-No. 231-131-3

Control parameters 0.1 mg/m³

Time Weighted Average (TWA): (EH40
OES)

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II Control parameters 0.1 mg/m³

Time Weighted Average (TWA): (EU ELV)

Engineering measures

Ensure suitable suction/aeration at the work place and with operational machinery.

Personal protective equipment**Respiratory protection**

If occurs of dust:

Half mask with a particle filter P2 (EN 143).

Hand protection

Wear protective gloves made of the following materials: material.

Eye protection

safety glasses with side-shields

Protective measures

Handle in accordance with good industrial hygiene and safety practice.

If the limits at the workplace are exceeded and/or larger amounts are released (leakage, spilling, dust) the indicated respiratory protection should be used.

If there is the possibility of skin/eye contact the indicated hand/eye/body protection should be used.

9. PHYSICAL AND CHEMICAL PROPERTIES**Appearance**

Form	powder
Colour	silver
Odour	odourless

Safety data

pH	n.a.
Melting point/range	ca. 960 °C
Boiling point/range	ca. 2,200 °C
Flash point	n.a. related to substance: n.a.
flammability	n.a.
Ignition temperature	n.a.
Autoinflammability	n.a.
Lower explosion limit	n.a.
Density	ca. 10.5 g/cm ³ (20 °C)
tapped density	2.4 - 3.4 g/ml
Water solubility	insoluble

10. STABILITY AND REACTIVITY

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Materials to avoid	nitric acid
Hazardous decomposition products	decomposition products on contact with nitric acid nitrous gases

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity	LD50 rat: > 2,000 mg/kg Method: OECD Test Guideline 401 (limit test)
Skin irritation	rabbit not irritating Method: OECD Test Guideline 404
Eye irritation	rabbit not irritating Method: OECD Test Guideline 405
Human experience	After long-term exposure, a grey-blue coloration (argyrosis) of the skin and mucous linings (eyes, respiratory tract) may occur due to inhalation or swallowing. This skin change is permanent, but does not constitute a toxic damage in the sense of poisoning.

12. ECOLOGICAL INFORMATION**Elimination information (persistence and degradability)****Behaviour in environmental compartments****Ecotoxicity effects**

Toxicity to daphnia	EC50 Daphina magna: 0.0015 mg/l / 48 h Method: literature
Toxicity to algae	IC 100 Scenedesmus spec.: 2 mg/l / 21 d Method: literature chronic

13. DISPOSAL CONSIDERATIONS**Product**

Disposal according to local authority regulations.

Uncleaned packaging

Disposal according to local authority regulations.

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14. TRANSPORT INFORMATION**Transport/further information**

Not classified as dangerous in the meaning of transport regulations.

15. REGULATORY INFORMATION**labelling according to EEC Directive**

Other data On the basis of our data, the products is not a hazardous substances as defined by the Chemicals Act or Hazardous Substance Ordinance in the currently valid versions.

National legislation

16. OTHER INFORMATION**Further information**

Changes since the last version will be highlighted in the margin. This version replaces all previous versions.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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