

SAFETY DATA SHEET (EC 1907/2006)**Cercon Scan powder**

Material no.		Version	1.2 / GB
Specification	173798	Revision date	22.11.2011
VA-Nr	01628707	Print Date	02.12.2011
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DeguDent
A Dentsply Company**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF 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
Email address	SDB@degudent.de
Emergency telephone number	+49 (0)180 / 23 24-555

Use of the Substance / Preparation For dental use only.

REACH Registration No.: if available listed in Chapter. 3

2. HAZARDS IDENTIFICATION**Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Hazardous to the aquatic environment - AcuteHazard	Category 1	H400
Hazardous to the aquatic environment - Chronic Hazard	Category 1	H410

GHS-Labeling**hazard-defining component(s) (GHS)**

- silver

Symbol(s)



Signal word Warning

Hazard statement H410 - Very toxic to aquatic life with long lasting effects.

Precautionary statement: Prevention P273 - Avoid release to the environment.

Precautionary statement: Reaction P391 - Collect spillage.

Precautionary statement: Disposal P501 - Dispose of contents/container in accordance with local regulation.

Classification as per Directive 67/548/EC or Directive 1999/45/EC

R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Other Hazards

none known.

3. COMPOSITION/INFORMATION ON INGREDIENTS**Information on ingredients / Hazardous components As per EU-CLP Ordinance (EC) No. 1272/2008**

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• silver powder

CAS-No.	7440-22-4	EC-No.	231-131-3		
Hazardous to the aquatic environment - AcuteHazard				Category 1	H400
Hazardous to the aquatic environment - Chronic Hazard				Category 1	H410

Information on ingredients / Hazardous components as per Directive 67/548/EC or Directive 1999/45/EC

• silver powder

CAS-No.	7440-22-4	EC-No.	231-131-3
N R50/53			

Texts of H phrases, see in Chapter 16
See chapter 16 for text of risk phrases

4. FIRST AID MEASURES

Inhalation

In case product dust is released:
Possible discomfort: cough, sneezing
Move victims into 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 out mouth.
Have patient drink plenty of water in small sips.
After absorbing large amounts of substance:
Consult a physician.

Most important symptoms and effects, both acute and delayed

Symptoms

No information available.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

water, mist, quenching powder, foam

Special hazards arising from the substance or mixture

None known

Special protective equipment for fire-fighters

Employ protective equipment commonly used in the event of fire.

Advice for firefighters

The product itself does not burn.

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

Wear personal protective equipment.

Environmental precautions

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

Methods and material for containment and cleaning up

Absorb mechanically avoiding production of dust. Collect in suitable containers.

Additional advice

Dispose of contaminated material as waste in accordance with section 13.

7. HANDLING AND STORAGE**Handling****Precautions for safe handling**

Avoid production of dust. Do not breathe dust.

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

Storage**Conditions for safe storage, including any incompatibilities**

Avoid light effect and heat effect.

Keep containers tightly closed in a dry, cool and well-ventilated place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Control parameters**

• Silver powder			
CAS-No.	7440-22-4	EC-No.	231-131-3
Control parameters	0.1 mg/m ³		Time Weighted Average (TWA):(EH40 WEL)
Control parameters	0.1 mg/m ³		Time Weighted Average (TWA):(EU ELV)
Remarks	Indicative		

Engineering measures

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

Personal protective equipment**Respiratory protection**

If dust occurs:

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

Hand protection

Wear protective gloves made of the following materials: nitrile rubber.

Eye protection

Safety glasses with side-shields

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Protective measures

Handle in accordance with good industrial hygiene and safety practices.

If workplace exposure limits 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

Information on basic physical and chemical properties

Melting point/range	ca. 960 °C
Boiling point/range	ca. 2200 °C
Flash point	not applicable
Density	ca. 10.5 g/cm ³ (20 °C)
Tapped density	2.4 - 3.4 g/ml
Water solubility	insoluble

10. STABILITY AND REACTIVITY

Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Incompatible materials	None known.
Hazardous decomposition products	No decomposition if stored and applied as directed.

11. TOXICOLOGICAL INFORMATION

Skin irritation	Powder can cause localised skin irritation in folds of the skin or under tight clothing.
Eye irritation	not known
Sensitization	not known

12. ECOLOGICAL INFORMATION

Elimination information (persistence and degradability)

Biodegradability	The methods for determining biodegradability are not applicable to inorganic substances.
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Bioaccumulation no data available

Ecotoxicity effects

Toxicity to fish no data available

Further information on ecology

Further Information Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

13. DISPOSAL CONSIDERATIONS**Product**Do not contaminate ponds, waterways or ditches with chemical or used container.
Dispose of as special waste in compliance with local and national regulations.**Uncleaned packaging**

Dispose of as unused product.

14. TRANSPORT INFORMATION**Land transport ADR/RID/GGVSEB (Germany)**

Class	9
ADR/RID-Labels	9
UN-No	3077
Packaging group	III
orange warning plate	90 / 3077
Tunnel Restriction Code (ADR)	(E)

Description of the goods (Technical name)

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Silver powder)

Environmentally Hazardous

Sea transport IMDG-Code/GGVSee (Germany)

Class	9
UN-No	3077
Packaging group	III
EmS	F-A, S-F

Proper technical name (Proper shipping name)

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Silver powder)

Marine pollutant

Air transport ICAO-TI/IATA-DGR

Class	9
UN-No	3077
Packaging group	III

Proper technical name (Proper shipping name)

Environmentally hazardous substance, solid, n.o.s. (Silver powder)

Environmentally Hazardous

Inland waterway transport ADN/GGVSEB (Germany)

Class	9
ADR/RID-Labels	9

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ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ASTM	American Society for Testing and Materials
ATP	Adaptation to Technical Progress
BCF	Bioconcentration Factor
BetrSichV	German Ordinance on Industrial Safety and Health
c. c.	closed cup (geschlossenes Gefäß)
CAS	Chemical Abstract Services
CESIO	European Committee of Organic Surfactants and their Intermediates
ChemG	German Chemicals Act
CMR	Carcinogenic-Mutagenic-toxic for Reproduction
DIN	German Institute for Standardization
DNEL	Derived No Effect Level
EINECS	European Inventory of Existing Commercial Chemical Substances
GefStoffV	German Ordinance on Hazardous Substances
GGVSEB	German ordinance for road, rail and inland waterway transportation of dangerous goods
GGVSee	German ordinance for sea transportation of dangerous goods
GLP	Good Laboratory Practice.
GMO	Genetic Modified Organism
IATA DGR	International Air Transport Association – Dangerous Goods Regulations
ICAO-TI	International Civil Aviation Organisation - Technical Instructions
IMDG Code	International Maritime Dangerous Goods Code
ISO	International Organization For Standardization
LOAEL	Lowest Observed Adverse Effect Level
LOEL	Lowest Observed Effect Level
NOAEL	No Observed Adverse Effect Level
NOEC	No Observed Effect Concentration
NOEL	No Observed Effect Level
o. c.	open cup (offenes Gefäß)
OECD	Organisation for Economic Cooperation and Development
OEL	Occupational Exposure Limit
PBT	Persistent, Bioaccumulative, Toxic
PEC	Predicted Effect Concentration
PNEC	Predicted No Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
TA	Technical Instructions (German Ordinance)
TPR	Third Party Representative (Art. 4)
TRGS	Technical Rules for Hazardous Substances (German Regulations)
VCI	German "Verband der Chemischen Industrie e. V."
vPvB	Very Persistent, Very Bioaccumulative
VOC	Volatile Organic Compounds
VwVwS	German Administrative Regulation on the Classification of Substances Hazardous to Waters into Water Hazard Classes
WGK	German Water Hazard Class
WHO	World Health Organization