

Material Safety Data Sheet
according to decree (EC) No. 1907 / 2006

Edition of 20.08.2007
Revision Date:

1. Chemical product and company identification

Product name:

Vision Prophy Powder

Application of the product:

Prophylaxis-powder, usable with all kinds of air-polishing devices

Manufacturer:

Willmann & Pein GmbH

Street:

Schusterring 35

Zip-Code / Town

D-25355 Barmstedt

Phone / Fax / E-Mail

+49 41 23 - 9228 0 / +49 4123 9228 49 / info@wp-dental.de

Emergency Information (24 hours)

Dr. Wolfgang Willmann

Phone: +49 (0) 170 – 405 30 52

2. Hazard Identification

Hazard description:

not applicable

Additional hazard advices for human and environment:

not applicable

3. Composition/Information on Ingredients

Chemical Characterization:

Sodium hydrogencarbonate

Concentration: 50 – 100 %

CAS-No: 144-55-8

EINECS-No: 205-633-8

Hazardous contents:

none

4. First-Aid-Measures

General Advices:

No special measures required.

Inhalation:

Supply fresh air; consult doctor in case of complaints.

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Skin contact:

Generally the product does not irritate the skin.

Eye contact:

Flush eyes for at least 10 minutes while holding eyelids open. If symptoms persist, consult a doctor.

Ingestion:

Rinse out gastrointestinal tract and then drink plenty of water. If symptoms persist consult a doctor.

5. Fire-Fighting-Measures**Suitable extinguishing agents:**

dry powder, water spray, CO₂. Fight larger fires with water spray or alcohol-resistant foams.

Protective equipment for fire-fighters:

No special measures for fire-fighting required.

Additional Advices:

none

6. Accidental release measures**Personal precautions:**

Wear protective clothes
Avoid formation of dust

Environmental protection measures:

Do not allow to enter drains or ground water.

Clean-up procedures:

Remove mechanically

Additional information:

No dangerous substances are released.

7. Handling and Storage**Handling:**

Product is only for dental use

Information for safe handling:

No special measures required.
Observe normal care for working with chemicals.

Information about fire- and explosion protection:

No special measures required.

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Storage conditions:

Storage temperature: cool

Storage conditions: store dry and in a well sealed original receptacle

Expiry Date: 4 years

8. Exposure Controls/Personal Protection**Components with limit values to be monitored for specific workplaces:**

Sodium hydrogencarbonate, CAS-No: 144-55-8

Specification: no information

Values: no information

PNCE and DNCL-Values as to be possibly worked out in a preparation safety report do not exist.

Personal protective equipment:**General:**

The usual precautionary measures are to be adhered to when handling chemicals.

Breathing protection:

Not necessary if room is well-ventilated.

Hand-protection:

The glove material has to be impermeable and resistand to the product. Due to missing tests no recommendation to the glove material can be given for the Vision Prophy Powder. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation. The selection of the suitable gloves not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Body-protection:

Wear business-usual working-cloths

9. Physical and chemical Properties

Form: viscous liquid
 Colour: white
 Odour/Flavour: black raspberry or mint

Melting point: undetermined
 Boiling point: undetermined
 Flash point: not applicable
 Flammability: not flammable
 Upper explosion limit: not applicable
 Lower explosion limit: not applicable
 Density: (20°C) 2.2 g/cm³
 Bulk density (20°C) 700-1.150 kg/mg³
 Solubility in /Miscibility

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With Water (20°C)	hard soluble
Ph-Value (20°C)	8,1
Organic Solvents:	0,0 %
Solids content:	100 %

10. Stability and Reactivity

Thermal decomposition / Conditions to be avoided:

No decomposition if used according to specifications.

Materials to avoid

None

Hazardous decomposition products:

No hazardous decomposition products known.

Additional Notes:

None

11. Toxicological information

Acute toxicity:

Primary irritant effect:

-skin: not irritant

-eye: irritant

-Sensitization: no sensitizing effects known

Subacute unto chronic toxicity

Experience with human: no sensitizing potential

Kinetic of the toxic reaction:

According the new Material Safety Data Sheet according to REACH, specifications about kinetic of the toxic reaction, metabolism of the substance and allocation of the substance in the human body must be mentioned at this place. Data for this is not available .

Additional toxicological Advices:

When used and handled according to specification, the product does not have any harmful effects to our experience and the information provided to us.

The substance is not subject to classification according to the latest version of the EC-Lists.

12. Ecological information

Biological decomposition:

Not applicable

Ecotoxic effects:

Biological effects:

Not applicable

Fish toxicity: no data existing

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Water organism: no data existing
Daphnia toxicity: no data existing

Water hazard class: 1 (slightly water hazard) according to VwVwS, Annex 4

Further details to ecology:

Do not allow undiluted product or large quantities of it to reach ground water course or sewage system.

Bioakkumulation potential:

No data available

Effect of the determination of the PTB- and vPvB-Report:

Endocrine disruption potential

If the material causes hormonal effects or prevents them is unknown.

13. Disposal considerations

Product:

Smaller quantities can be disposed of with household waste.

Packaging:

Packaging material which is not contaminated can be recycled.

14. Transport informations/rules

Land transport ADR/RID

Classification

class: -

UN-Number: -

Classification code: -

Description of the good: Vision Prophy Powder

Hazard cause: -

Packaging

Packaging group: not applicable, because it is not a flammable substance

Hazard sheet: not applicable, because of small quantities

Limited Quantities: no information

Maritime transport IMDG/GGVSea

Classification

IMDG-Code: -

UN-Number: -

EmS: -

Marine Pollutant: No

Description of the good: Vision Prophy Powder

Hazard cause: -

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Packaging

Packaging group: not applicable, because it is not a flammable substance

Hazard sheet: not applicable, because of small quantities

Limited Quantities: no information

Air transport ICAO-TI and IATA-DGR

Classification

Class: -

UN-Number: -

Description of the good: Vision Prophy Powder

Hazard cause: -

Packaging

Packaging group: not applicable, because it is not a flammable substance

Hazard sheet: not applicable, because of small quantities

Limited Quantities: no information

15. Regulatory Information

Labelling according EU guidelines

Hazard symbols, risks and safety phrases

The product is not to be labelled according to the EC guidelines and other sources of literature known to us.

At the moment there exist neither registrations to title 7 either limits to title 8 for the product.

Hazardous components requiring declaration / special labelling:

none

R-phrases: none

S-phrases

S25 Avoid contact with eyes.

S26 If contacted with eyes rinse immediately with plenty of water.

S36 Wear suitable protection clothes.

S37 Wear suitable gloves.

S39 Wear eye/face protection.

National Rules

Water hazard class

Water Hazard Class 1 (slightly hazardous for water) according to VwVwS, Annex 4

Safety Assessments

Safety Assessments for substances in this preparation were not executed

Limits for employment

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In Germany employment limits for teenager (§ 22 JArbSchG) have to be followed

***16. Other information**

Further applicable EG Guidelines

Guideline for preparation (1999/45/EC), at last changed by the guideline 2006/8/EC.
Substance Guideline (67/548/EWG), at last changed by the guideline 2006/121 EC.
REACH-Guideline (EC) No. 1907/2006

Manufacturer's suggested application restriction:

For dental use only

Department issuing MSDS:

Dr. Wolfgang Willmann (Phone: +49 (0) 41 23 – 9228 0)

Additional Information:

Origin: ¹ <http://www.baua.de>

² <http://www.arbeitssicherheit.de>

Some of the information presented and conclusions drawn herein are from sources other than direct test-data on the product itself.

The contents and format of this MSDS are in accordance with EEC Commission (EC) No. 1907 / 2006.

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