

→Z 4 - CyB Revestimiento**1 Identification of the substance/preparation**

Commercial name : Z 4 Dental Investment**Data Manufacturer / Trader :**Neiryndck & Vogt N.V.
Molenberglei 22
B-2627 Schelle**Information source :** devision consumables production

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2 Composition/information on ingredients

Chemical Characterisation : () product (x) preparation

Denomination : Cristalline Silica

Chemical formula : SiO₂

CAS-Nr.: 014808-60-7/014464-46-1

Content : 70-90%

Limit Value : MAK 0,15 mg/m³ (F)

Denomination : Magnesiumoxyd

Chemical Formula : MgO

CAS-Nr. : 1309-48-4

Content : 5-15%

Limit value : MAK 6 mg/m³ (F)

Denomination : Amoniumphosphate

Chemical Formula : NH₄H₂PO₄

CAS Nr. : 7722-76-1

Content : 5-15%

Dangerous components: none

3 Special hazards information for man and environment

Cristalline Silica can if inhaled over a longer time span and in large quantities be the
Cause of longue disease (Silicose)

4 First aid measures

After Inhalation : contact doctor

After skin contact : pick up with cotton and rince with water

After contact with eyes : rince under streaming water and contact doctor

After swallowing : get medical aid immediatly

5 Fire-fighting measures

The product is not flammable. Conflicts with common dissolvents are not to be expected.
When using water for large quantities pay attention to instructions in Pt. 10. Use abundant water

6 Accidental release measures

Absorb dustfree (aspire with silicogene suited vacuum cleaner) If water is used to avoid dust release pay attention to Pt. 10. Use abundant water

7 Handling and storage

Treatment :

Treatment under aspiration is recommended.
Formation or inhalation of dust should be avoided.

Stocking :

Securiry wise no special requirements.
Quality wise pay attention to working instructions.

8 Exposure controls / personal protection

Additional indications for technical devices : See point 7.1

Limitations regarding working place devices :

Over-all dust limits : 6 mg/m³

Lungue Silicogen fine dust : 0,15 mg/m³

Personal protection : stay under values in Pt. 8.2 or use dust mask type P2 or P3

9 Physical and Chemical Properties

Exterior aspects

Form : powder

Colour : white

Smell : no smell

Security relevant data PH : 4 – 5 in contact with water

Explosion capacities : there is NO explosion danger

Flame point : not applicable

Flamability : none

Fire point : not applicable

10 Stability and Reactivity

a)Start of thermal reaction at 200° C with Amonia formation.

b)Reacts with abundant water in an exotherm way first by becoming liquid and then solid.
. The heat that is set free gives reaction as described in a)

11 Toxicological information

Human : experiences with local or general effects of the product are not known

Animal : experiances with local or general effects of the product are not known.

Due to the contents of cristalline silica, a silicoses reaction may be expected if not threated with the necessary precautions.

12 Ecological information

Ökological studies are not available

Besed on the chemical composition and the water solubility, there are no ökotoxical Reactions to be expected.

13 Disposal Considerations

Waste disposal should be done after reaction with water.
The waste can then be treated as construction disposal.
Follow the local ruling.

14 Transport informations

Landtransport : Class/ Number/ Capital letter

River shiptransport : Class/Number/Capital Letter

Sea shiptransport : Class

Air transport : Class

15 Regulatory information

Indications after EG-Ruling :

Danger indications

Product contents

R-phrases

S-phrases

Other Indications : No indications after GefSoffV (26.08.86)

National ruling :

Indications for treatment restrictions : Not Applicable

Rules on separation possibilities VbF : Not Applicable

TA-Air : Not Applicable

Water danger class : Not Applicable

16 Other Information

With the above indications, reflecting our actual state of knowledge and experience, we want to give an insight of the security data of our products, though we do not include to that any capacity affirmations or quality restrictions.