

EU Safety Data Sheet

Vival NF



Date of issue / Reference

11.04.2005 hot

Replaces version of

24.07.2003

Date of printing

11.04.2005 **Sheet No. 1157**

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Company

Ivoclar Vivadent AG, Bendererstrasse 2, FL - 9494 Schaan
Principality of Liechtenstein

1 Commercial product name and supplier

- 1.1 Commercial product name / Designation **Vival NF**
- 1.2 Application / Use Dental alginate imperssion material
- 1.3 Producer Ivoclar Vivadent AG, Bendererstrasse 2, FL - 9494 Schaan
Fürstentum Liechtenstein
- 1.4 Supplier
- 1.5 TOX emergency number Emergency-Call: +423 / 235 35 35 or 373 40 40
Ivoclar Vivadent AG, FL-9494 Schaan, Liechtenstein

2 Composition

- 2.1 Chemical characterization Mixture of diatomaceous earth, sodium alginate, calcium sulphate, magnesium oxide, inorganic accelerator and retarder, dyes and flavour
- 2.2 Hazardous components
CAS No. 16919-27-0 < 3 % Potassium fluoro titanate
T: Toxic. R25: Toxic if swallowed. R20/21: Harmful by inhalation and in contact with skin.
- 2.3 Further information None.

3 Hazards identification

Dust generation

4 First aid measures

- 4.1 Eye contact Flush eyes with plenty of water (10-15 min.). Call a physician if irritation persists.
- 4.2 Skin contact Wash thoroughly with soap and water.
- 4.3 Ingestion Give large amounts of water. If you feel unwell, seek medical advice (show this safety data sheet). Induce vomiting.
- 4.4 Inhalation Take into fresh air.
- 4.5 Further information None.

5 Fire-fighting measures

- 5.1 Suitable extinguishing media Not required since not combustible.
- 5.2 Extinguishing media to avoid None.

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5.3 Further information None.

6 Accidental release measures Clean up mechanically. Avoid breathing dust. Wash the area with soap and water.
Dispose of according to local and national regulations.

7 Handling and storage

- 7.1 Handling Avoid dust build-up.
Keep out of reach of children.
Only adequately trained personnel should handle this product.
- 7.2 Industrial hygiene Avoid breathing dust.
Usual hygienic measures for dental practice.
When using, do not eat, drink or smoke.
- 7.3 Storage Store in a cool, dry place away from direct sunlight.
Store at 5-28 °C / 41-82 °F.
- 7.4 Place of storage Store in a cool, dry place.
- 7.5 Fire- and explosion-protection No specific requirements.
-

8 Exposure controls / Personal protection

- 8.1 Technical measures During mixing it is recommended to apply local exhaust ventilation.
- 8.2 Control of threshold limits Producer Industry recommends an exposure limit of 4 mg/m³.
- 8.3 Personal protective equipment
- 8.3.1 Respiratory protection In dusty atmospheres, use an approved dust respirator.
Avoid breathing dust.
- 8.3.2 Hand protection Gloves.
- 8.3.3 Eye protection Safety goggles.
- 8.3.4 Other None.
-

9 Physical and chemical properties

- 9.1 Appearance powder
- 9.2 Colour blue
- 9.3 Odour like Peppermint
- 9.4 Change of physical state Test method:
not applicable
- 9.5 Density not determined

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9.6 Vapour pressure

not applicable

9.7 Viscosity

not applicable

9.8 Solubility

Solubility in

Gel formation

9.9 pH

9-10
suspension

9.10 Flash point

not flammable

9.11 Ignition temperature

not applicable

9.12 Explosion limits

Lower:
Upper:
not applicable

9.13 Further information

None.

10 Stability and reactivity

10.1 Thermal decomposition

> 200 °C

10.2 Hazardous decomposition products

None, if used in accordance to instructions.

10.3 Hazardous reactions

none known

10.4 Further information

None.

11 Toxicological information

11.1 Acute toxicity

No adverse effects anticipated by this route of exposure incidental to proper industrial handling.

11.2 Subacute / Chronic toxicity

Vival NF possess no cytotoxic potential (tested in a 1:2 ratio as well as in normal use)

11.3 Further information

Diatomaceous earth contains crystalline silica. Repeated excessive exposure to dust may cause lung effects.

Potassium fluoride: Harmful by inhalation and in contact with skin. Toxic if swallowed.

12 Ecological information

No ecological problems to be anticipated if properly handled and used.

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13 Disposal considerations

Take to an approved landfill or a waste incineration plant, under conditions approved by the local authority.

13.1 EU waste key

20 03 01

14 Transport information

14.1 Transport at land

ADR --- RID ---

UN Number --- Kemler Number

Packing Group ---

Proper shipping name ---

14.2 Transport at sea

ADNR --- IMDG ---

UN Number --- EMS --- MFAG ---

Packing Group ---

Proper shipping name ---

14.3 Air transport

ICAO / IATA-DGR ---

UN Number ---

Proper shipping name ---

Subsidiary Risk ---

Labels ---

Packing Group ---

Passenger airplane Packing Instructions ---

max. ---

Cargo Airplane Packing Instructions ---

max. ---

14.4 Further information

Product is not classified for any mode of transportation.

15 Regulatory information

The product is a medical device according to the EC-directive 93/42.

This product does not require classification according to the criteria of the EC.

15.1 UN number

15.2 National regulations

15.3 EU number

15.4 Hazard symbols

15.5 Hazard designation

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15.6 Risk phrases
15.7 Safety phrases
15.8 MAK value --- ml/m³ (ppm)
15.9 BVD classification (CH) ---
15.10 VbF (D) ---
15.11 Further information None.

16 Other information Version: 3
Changes: 13.1

The above mentioned data correspond to our present state of knowledge and experience. The safety data sheet serves as description of the products in regard to necessary safety measures. The indications do not have the meaning of guarantees on properties.

This safety data sheet has been generated with the safety database 'ChemManager'.
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