

# Safety Data Sheet

according to 29 CFR 1910.1200(g)

## VITA Powder Scan Spray

Revision date: 20.12.2016

Product code: 311-US

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### 1. Identification

#### Product identifier

VITA Powder Scan Spray

#### Recommended use of the chemical and restrictions on use

##### Use of the substance/mixture

Auxiliary for manufacture of dental products

#### Details of the supplier of the safety data sheet

Company name: PRISMAN GmbH  
Street: Otto-Hahn-Ring 6-18  
Place: 64653 Lorsch  
Telephone: ++49 (0) 6251 866980-0  
e-mail (Contact person): Metz@prisman.de  
Responsible Department: Abteilung Produktsicherheit

**Emergency phone number:** ++49 (0) 6251 866980-0

#### Further Information

medical device

### 2. Hazard(s) identification

#### Classification of the chemical

##### 29 CFR Part 1910.1200

This mixture is not classified as hazardous in accordance with Regulation 29 CFR 1910.1200(d).

#### Label elements

##### 29 CFR Part 1910.1200

##### Precautionary statements

Pressurized container: Do not pierce or burn, even after use.

Avoid release to the environment.

Use only outdoors or in a well-ventilated area.

#### Hazards not otherwise classified

No information available.

### 3. Composition/information on ingredients

#### Mixtures

##### Chemical characterization

Mixtures

#### Hazardous components

| CAS No   | Components             | Quantity |
|----------|------------------------|----------|
| 109-66-0 | pentane                | 9 %      |
| 64-17-5  | ethanol; ethyl alcohol | 2.4 %    |

### 4. First-aid measures

#### Description of first aid measures

##### After inhalation

Provide fresh air.

##### After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water.

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### After ingestion

Rinse mouth immediately and drink plenty of water.

### Most important symptoms and effects, both acute and delayed

No information available.

### Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## 5. Fire-fighting measures

### Extinguishing media

#### Suitable extinguishing media

Co-ordinate fire-fighting measures to the fire surroundings.

### Specific hazards arising from the chemical

Non-flammable. Heating causes rise in pressure with risk of bursting. Hydrogen fluoride

### Special protective equipment and precautions for fire-fighters

In case of fire: Wear self-contained breathing apparatus.

### Additional information

Use water spray/stream to protect personnel and to cool endangered containers. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

Use personal protection equipment.

### Environmental precautions

Do not allow uncontrolled discharge of product into the environment.

### Methods and material for containment and cleaning up

Ventilate affected area.

### Reference to other sections

Safe handling: see section 7

Personal protection equipment (PPE): see section 8

Disposal: see section 13

## 7. Handling and storage

### Precautions for safe handling

#### Advice on safe handling

No special measures are necessary.

#### Advice on protection against fire and explosion

No special fire protection measures are necessary.

#### Further information on handling

Heating causes rise in pressure with risk of bursting. Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use.

### Conditions for safe storage, including any incompatibilities

#### Requirements for storage rooms and vessels

Keep container tightly closed.

#### Hints on joint storage

No special measures are necessary.

## 8. Exposure controls/personal protection

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#### Control parameters

#### Exposure controls



#### **Protective and hygiene measures**

Take off contaminated clothing. Wash hands before breaks and after work. When using do not eat or drink.

#### **Eye/face protection**

Eye protection: not required.

#### **Hand protection**

Recommended glove articles NBR (Nitrile rubber) Butyl caoutchouc (butyl rubber) When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

#### **Skin protection**

Wear suitable protective clothing.

#### **Respiratory protection**

Technical ventilation of workplace Open windows to ensure natural ventilation.

## 9. Physical and chemical properties

#### Information on basic physical and chemical properties

|                 |                |                |
|-----------------|----------------|----------------|
| Physical state: | gaseous        |                |
| Color:          |                |                |
| Odor:           | characteristic |                |
| pH-Value:       |                | not determined |

#### **Changes in the physical state**

|  |                   |
|--|-------------------|
| Melting point/freezing point:            | not determined    |
| Initial boiling point and boiling range: | -16 °C            |
| Flash point:                             | nicht entflammbar |

#### **Flammability**

|                         |                |
|-------------------------|----------------|
| Solid:                  | not applicable |
| Gas:                    | not determined |
| Lower explosion limits: | not determined |
| Upper explosion limits: | not determined |

#### **Auto-ignition temperature**

|                            |                |
|----------------------------|----------------|
| Solid:                     | not applicable |
| Gas:                       | not determined |
| Decomposition temperature: | not determined |

#### **Oxidizing properties**

Not oxidising.

|                               |                           |
|-------------------------------|---------------------------|
| Vapor pressure:<br>(at 20 °C) | 5200 hPa                  |
| Density:                      | 1,30000 g/cm <sup>3</sup> |

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Water solubility: No

**Solubility in other solvents**

not determined

Partition coefficient: not determined

Vapor density: not determined

Evaporation rate: not determined

Solvent content: 11,40 %

**Other information**

Solid content: 6,1 %

## 10. Stability and reactivity

**Reactivity**

No hazardous reaction when handled and stored according to provisions.

**Chemical stability**

The product is stable under storage at normal ambient temperatures.

**Possibility of hazardous reactions**

No known hazardous reactions.

**Conditions to avoid**

none/none

**Incompatible materials**

No information available.

**Hazardous decomposition products**

No known hazardous decomposition products.

## 11. Toxicological information

**Information on toxicological effects****Acute toxicity**

Based on available data, the classification criteria are not met.

| CAS No   | Components              |                 |         |        |        |  |
|----------|-------------------------|-----------------|---------|--------|--------|--|
|          | Exposure route          | Dose            | Species | Source | Method |  |
| 109-66-0 | pentane                 |                 |         |        |        |  |
|          | inhalation (4 h) vapour | LC50 364 mg/l   | Rat     | GESTIS |        |  |
| 64-17-5  | ethanol; ethyl alcohol  |                 |         |        |        |  |
|          | oral                    | LD50 6200 mg/kg | Rat     | IUCLID |        |  |
|          | inhalation (4 h) vapour | LC50 95,6 mg/l  | Rat     | RTECS  |        |  |

**Irritation and corrosivity**

Based on available data, the classification criteria are not met.

**Sensitizing effects**

Based on available data, the classification criteria are not met.

**Carcinogenic/mutagenic/toxic effects for reproduction**

Based on available data, the classification criteria are not met.

**Specific target organ toxicity (STOT) - single exposure**

Based on available data, the classification criteria are not met.

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#### Specific target organ toxicity (STOT) - repeated exposure

Based on available data, the classification criteria are not met.

Carcinogenicity (OSHA): No ingredient of this mixture is listed.

Carcinogenicity (IARC): Ethanol in alcoholic beverages (CAS 64-17-5) is listed in group 1.

Carcinogenicity (NTP): No ingredient of this mixture is listed.

#### Aspiration hazard

Based on available data, the classification criteria are not met.

## 12. Ecological information

#### Ecotoxicity

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

#### Persistence and degradability

The product has not been tested.

#### Bioaccumulative potential

The product has not been tested.

#### Mobility in soil

The product has not been tested.

#### Other adverse effects

No information available.

#### Further information

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

## 13. Disposal considerations

#### Waste treatment methods

##### Advice on disposal

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Dispose of waste according to applicable legislation.

##### Contaminated packaging

Waste requires monitoring. Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

## 14. Transport information

#### Marine transport (IMDG)

|   |          |
|---|----------|
| <b><u>UN number:</u></b>                  | UN 1950  |
| <b><u>UN proper shipping name:</u></b>    | AEROSOLS |
| <b><u>Transport hazard class(es):</u></b> | 2.2      |
| <b><u>Packing group:</u></b>              | -        |
| Hazard label:                             | 2.2      |



|                   |         |
|-------------------|---------|
| Marine pollutant: | Nein    |
| EmS:              | F-D,S-U |

#### Air transport (ICAO-TI/IATA-DGR)

|   |                         |
|---|-------------------------|
| <b><u>UN number:</u></b>                  | UN 1950                 |
| <b><u>UN proper shipping name:</u></b>    | Aerosols, non-flammable |
| <b><u>Transport hazard class(es):</u></b> | 2.2                     |

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**Packing group:**

-

Hazard label:

2.2

**Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: no

**Special precautions for user**

No information available.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

not applicable

## 15. Regulatory information

**U.S. Regulations****National regulatory information**

SARA Section 311/312 Hazards:

Pentane (109-66-0): Fire hazard, Immediate (acute) health hazard  
ethanol; ethyl alcohol (64-17-5): Fire hazard

Clean Air Act Section 112(r):

Pentane (109-66-0): Threshold quantities = 10,000 lbs.

**State Regulations****Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65, State of California)**

This product contains no chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

## 16. Other information

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**Abbreviations and acronyms**

ADR: Accord européen sur le transport des marchandises dangereuses par Route  
(European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

**Other data**

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*