SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

VITA POWDER SCAN SPRAY

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture

Auxiliary for manufacture of dental products

1.3. Details of the supplier of the safety data sheet

Manufacturer

Company name: PRISMAN GmbH
Street: Otto Hahn Ring 6-18
Place: D-64653 Lorsch
Responsible Department: Abteilung Produktsicherheit: Alexander.Metz@prisman.de

Supplier

Company name: VITA Zahnfabrik H.Rauter GmbH & Co.KG
Post-office box: 1338
79704 Bad Säckingen
Telephone: +49(0)7761-562-0
Fax: +49(0)7761-562-299
E-mail: info@vita-zahnfabrik.com
Internet: www.vita-zahnfabrik.com

1.4. Emergency telephone number:

+49-(0)761-19240

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

UN-GHS (Rev.3)

Hazard categories:
Aerosol: Aerosol 3
Hazard Statements:
Pressurised container: May burst if heated.

2.2. Label elements

UN-GHS (Rev.3)

Signal word: Warning

Hazard statements

H229 Pressurised container: May burst if heated.

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P251 Do not pierce or burn, even after use.
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

2.3. Other hazards

PBT: not applicable
vPvB: not applicable

SECTION 3: Composition/information on ingredients

3.2. Mixtures
Hazardous components

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Chemical name</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>109-66-0</td>
<td>pentane</td>
<td>1 - &lt; 5 %</td>
</tr>
</tbody>
</table>

SECTION 4: First aid measures

4.1. Description of first aid measures

General information
When in doubt or if symptoms are observed, get medical advice.

After inhalation
Provide fresh air. If experiencing respiratory symptoms: Call a doctor.

After contact with skin
The product is not: Irritating to skin.
Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention.

After contact with eyes
Rinse immediately carefully and thoroughly with eye-bath or water. Remove contact lenses, if present and easy to do. Continue rinsing. Call a doctor.

After ingestion
Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person or a person with cramps. Observe risk of aspiration if vomiting occurs. When in doubt or if symptoms are observed, get medical advice.

4.2. Most important symptoms and effects, both acute and delayed
No information available.

4.3. Indication of any immediate medical attention and special treatment needed
Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media
Carbon dioxide (CO2), Extinguishing powder, Water spray jet. In case of major fire and large quantities: Water spray jet, alcohol resistant foam.

5.2. Special hazards arising from the substance or mixture
In case of fire may be liberated: Hydrogen fluoride.

5.3. Advice for firefighters
In case of fire: Wear self-contained breathing apparatus. Full protection suit.
In case of fire and/or explosion do not breathe fumes.

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

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
Provide adequate ventilation. Use personal protection equipment. Remove persons to safety. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapours/spray.

6.2. Environmental precautions
Do not allow to enter into surface water or drains. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.
6.3. Methods and material for containment and cleaning up
Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

6.4. Reference to other sections
Safe handling: see section 7
Personal protection equipment: see section 8
Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Advice on safe handling
Provide adequate ventilation. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes.

Advice on protection against fire and explosion
Caution! Container under pressure. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Do not spray on naked flames or any incandescent material. Heating causes rise in pressure with risk of bursting.

7.2. Conditions for safe storage, including any incompatibilities
Requirements for storage rooms and vessels
Keep container tightly closed. Do not open container by force. Do not pierce or burn, even after use.

Hints on joint storage
No information available.

Further information on storage conditions
Protect against heat and direct sunlight.

7.3. Specific end use(s)
Auxiliary for manufacture of dental products

SECTION 8: Exposure controls/personal protection

8.1. Control parameters
Additional advice on limit values
Value:
pentane:
600 ppm (1770 mg/m³) TWA
750 ppm (2210 mg/m³) STEL

Source: Workplace exposure standards for airborne contaminants, Publication date: 16 December 2019

8.2. Exposure controls
Appropriate engineering controls
Provide adequate ventilation as well as local exhaustion at critical locations.

Protective and hygiene measures
Take off contaminated clothing. Wash hands before breaks and after work. When using do not eat, drink, smoke, sniff. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid contact with skin, eyes and clothes.

Eye/face protection
Eye protection: not required.
Hand protection
By short-term hand contact:
Suitable material: Butyl caoutchouc (butyl rubber), NBR (Nitrile rubber)

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
Use of protective clothing.

Respiratory protection
Usually no personal respirative protection necessary.
In case of inadequate ventilation wear respiratory protection.

Environmental exposure controls
Do not allow to enter into surface water or drains.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: Aerosol
Colour: Trade name/designation
Odour: characteristic
pH-Value: not determined

Changes in the physical state
Melting point: not determined
Initial boiling point and boiling range: not applicable
Flash point: not determined

Flammability
Solid: not applicable
Gas: not applicable

Explosive properties
The product is not: Explosive. Heating may cause an explosion.
Lower explosion limits: not determined
Upper explosion limits: not determined
Ignition temperature: not determined

Auto-ignition temperature
Solid: not applicable
Gas: not applicable

Decomposition temperature: not determined

Oxidizing properties
Not oxidising.
Vapour pressure: not determined
Density: not determined

Water solubility: poorly soluble

Solubility in other solvents
not determined

Partition coefficient: not determined
Viscosity / dynamic: not determined
Viscosity / kinematic: not determined
Vapour density: not determined
Evaporation rate: not determined

9.2. Other information
Solid content: < 5 %
Odour threshold: not determined

SECTION 10: Stability and reactivity

10.1. Reactivity
No hazardous reaction when handled and stored according to provisions.

10.2. Chemical stability
The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions
Danger of bursting container.

10.4. Conditions to avoid
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Protect against direct sunlight.

10.5. Incompatible materials
No information available.

10.6. Hazardous decomposition products
In case of fire may be liberated: Hydrogen fluoride.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

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

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

Sensitising 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.

STOT-single exposure
Based on available data, the classification criteria are not met.

STOT-repeated exposure
Based on available data, the classification criteria are not met.

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

SECTION 12: Ecological information

12.1. Toxicity
The product is not: Ecotoxic.

12.2. Persistence and degradability
No information available.
12.3. Bioaccumulative potential
No information available.

12.4. Mobility in soil
Product is easily volatile.

12.5. Other adverse effects
No information available.

Further information
Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Disposal recommendations
Collect the waste separately. Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation.

Contaminated packaging
 Dispose of waste according to applicable legislation.

SECTION 14: Transport information

Land transport (ADG)

<table>
<thead>
<tr>
<th>14.1. UN number:</th>
<th>UN 1950</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.2. UN proper shipping name:</td>
<td>AEROSOLS</td>
</tr>
<tr>
<td>14.3. Transport hazard class(es):</td>
<td>2</td>
</tr>
<tr>
<td>14.4. Packing group:</td>
<td>-</td>
</tr>
<tr>
<td>Classification code:</td>
<td>5A</td>
</tr>
<tr>
<td>Limited quantity:</td>
<td>1 L</td>
</tr>
<tr>
<td>Excepted quantity:</td>
<td>E0</td>
</tr>
<tr>
<td>Transport category:</td>
<td>3</td>
</tr>
</tbody>
</table>

Marine transport (IMDG)

<table>
<thead>
<tr>
<th>14.1. UN number:</th>
<th>UN 1950</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.2. UN proper shipping name:</td>
<td>AEROSOLS</td>
</tr>
<tr>
<td>14.3. Transport hazard class(es):</td>
<td>2.2</td>
</tr>
<tr>
<td>14.4. Packing group:</td>
<td>-</td>
</tr>
<tr>
<td>Hazard label:</td>
<td>2.2</td>
</tr>
</tbody>
</table>

Special Provisions:
63, 190, 277, 327, 344, 381, 959
Limited quantity: 1000 mL
Excepted quantity: E0
EmS: F-D, S-U

Air transport (ICAO-TI/IATA-DGR)

<table>
<thead>
<tr>
<th>14.1. UN number:</th>
<th>UN 1950</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.2. UN proper shipping name:</td>
<td>AEROSOLS, NON-FLAMMABLE</td>
</tr>
<tr>
<td>14.3. Transport hazard class(es):</td>
<td>2.2</td>
</tr>
<tr>
<td>14.4. Packing group:</td>
<td>-</td>
</tr>
<tr>
<td>Hazard label:</td>
<td>2.2</td>
</tr>
</tbody>
</table>
Special Provisions: A98 A145 A167 A802
Limited quantity Passenger: 30 kg G
Passenger LQ: Y203
Excepted quantity: E0
IATA-packing instructions - Passenger: 203
IATA-max. quantity - Passenger: 75 kg
IATA-packing instructions - Cargo: 203
IATA-max. quantity - Cargo: 150 kg

14.5. Environmental hazards
ENVIRONMENTALLY HAZARDOUS: no

14.6. Special precautions for user
No information available.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code
not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
National regulatory information
Additional information
AICS
pentane: Yes.
SUSPM
pentane: No

SECTION 16: Other information

Abbreviations and acronyms
ACGIH: American Conference of Governmental Industrial Hygienists
ADG: Australian Dangerous Goods
AICS: Australian Inventory of Chemical Substances
ICAO: International Civil Aviation Organization
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
CAS: Chemical Abstracts Service
STEL: Short-term exposure limit
TWA: time-weighted average
TI: Technical Instructions
DGR: Dangerous Goods Regulations
UN: United Nations
ATE: Acute toxicity estimate
LC50: Lethal concentration, 50%
LD50: Lethal dose, 50%
LL50: Lethal loading, 50%
EL50: Effect loading, 50%
EC50: Effective Concentration 50%
ErC50: Effective Concentration 50%, growth rate
Further Information

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

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