

Safety Data Sheet

according to UK REACH Regulation

VITA POWDER SCAN SPRAY

Revision date: 31.05.2023

Product code: ECSCAN75V2

Page 1 of 9

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 materials for the fabrication of dental prostheses

Uses advised against

Sector of use SU20 Health care

Process category PROC11 Non-industrial spraying

Article category AC30 Other articles with intended release of substances

Technical function powder agent

Application of the substance / the mixture Auxiliary for the manufacture of dental prostheses

1.3. 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

1.4. Emergency telephone number:

+49 (0) 6251 866980-0

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GB CLP Regulation

Aerosol 3; H229

Full text of hazard statements: see SECTION 16.

Pressurised container: May burst if heated.

2.2. Label elements

GB CLP Regulation

Hazard components for labelling

The product is classified and labeled according to CLP regulation.

Signal word: Warning

Hazard statements

H229 Pressurised container: May burst if heated.

Precautionary statements

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P271 Use only outdoors or in a well-ventilated area.
P251 Do not pierce or burn, even after use.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

2.3. Other hazards

Results of PBT and vPvB assessment PBT: Not applicable

SECTION 3: Composition/information on ingredients

Safety Data Sheet

according to UK REACH Regulation

VITA POWDER SCAN SPRAY

Revision date: 31.05.2023

Product code: ECSCAN75V2

Page 2 of 9

3.2. Mixtures

Chemical characterization

Description: Mixture of the following substances with non-hazardous admixtures.

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (GB CLP Regulation)			
431-89-0	1,1,1,2,3,3,3-Heptafluorpropan			50-100 %
	207-079-2		01-2119485489-18	
	Liquefied gas; H280			
109-66-0	pentane			<1.5 %
	203-692-4	601-006-00-1	01-2119459286-30	
	Flam. Liq. 2, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2; H225 H336 H304 H411 EUH066			

Full text of H and EUH statements: see section 16.

Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
431-89-0	207-079-2	1,1,1,2,3,3,3-Heptafluorpropan	50-100 %
		inhalation: LC50 = 788.696 mg/l (vapours)	
109-66-0	203-692-4	pentane	<1.5 %
		inhalation: LC50 = 25.3 mg/l (vapours); oral: LD50 = >5.000 mg/kg	

Further Information

Additional information The wording of the listed hazard statements can be found in section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

After inhalation

Provide fresh air. Consult a doctor in case of complaints

After contact with skin

In general, the product is not irritating to the skin

After contact with eyes

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

After ingestion

Consult a physician if symptoms persist.

4.2. Most important symptoms and effects, both acute and delayed

No further relevant information available.

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

No further relevant information available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Match fire extinguishing measures to the surrounding area.

Safety Data Sheet

according to UK REACH Regulation

VITA POWDER SCAN SPRAY

Revision date: 31.05.2023

Product code: ECSCAN75V2

Page 3 of 9

5.2. Special hazards arising from the substance or mixture

In the event of a fire may be released:

Hydrogen fluoride

5.3. Advice for firefighters

Wear full chemical protective clothing.

In case of fire and/or explosion do not breathe fumes.

Further information Cool endangered containers with water spray.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****General advice**

put on personal protective equipment. Keep unprotected persons away.

6.2. Environmental precautions

Do not allow to enter drains/surface waters/groundwater.

6.3. Methods and material for containment and cleaning up**Other information**

Provide adequate ventilation.

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**

Protect against heat and direct sunlight.

Ensure good ventilation/exhaustion at the workplace.

Advice on protection against fire and explosion

Do not spray on naked flames or any incandescent material.

Keep away from sources of ignition - No smoking.

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Keep/Store only in original container.

The official regulations for storing pressurized gas packages must be observed.

Hints on joint storage

Test not required.

Further information on storage conditions

Store cool, heating leads to pressure increases and risk of bursting.

Keep container tightly closed.

7.3. Specific end use(s)

No further relevant information available.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Exposure limits (EH40)**

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
109-66-0	Pentane	600	1800		TWA (8 h)	WEL

Safety Data Sheet

according to UK REACH Regulation

VITA POWDER SCAN SPRAY

Revision date: 31.05.2023

Product code: ECSCAN75V2

Page 4 of 9

DNEL/DMEL values

CAS No	Substance			
DNEL type	Exposure route	Effect	Value	
431-89-0	1,1,1,2,3,3,3-Heptafluorpropan			
Worker DNEL, long-term				61269 mg/m ³

Additional advice on limit values

The lists valid at the time of compilation served as a basis.

8.2. Exposure controls**Appropriate engineering controls**

No further information, see section 7.

Individual protection measures, such as personal protective equipment**Eye/face protection**

Test not required.

Hand protection

Test not required.

Glove material The selection of a suitable glove depends not only on the material but also on other quality features and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of glove materials cannot be calculated in advance and must therefore be checked before use. -

Penetration time of the glove material The exact breakthrough time must be obtained from the protective glove manufacturer and must be observed. - Gloves made of the following materials are suitable for splash protection:

Butyl rubber Nitrile rubber

Respiratory protection

Test not required.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state: Aerosols
 Colour:
 Odour: characteristic

Test method**Changes in the physical state**

Melting point/freezing point: -131 °C
 Boiling point or initial boiling point and boiling range: -16 °C

Explosive properties

Pressurised container: May burst if heated.

Auto-ignition temperature:

The product is not self-igniting.

Self-ignition temperature

The product is not self-igniting.

Water solubility:

Not or little miscible

Vapour pressure:
(at 20 °C)

5.200 hPa

Density (at 20 °C):

1,25 g/cm³**9.2. Other information****Other safety characteristics**

Safety Data Sheet

according to UK REACH Regulation

VITA POWDER SCAN SPRAY

Revision date: 31.05.2023

Product code: ECSCAN75V2

Page 5 of 9

Solvent content: 1,7%
 Solid content: 1,2%
 Evaporation rate: not applicable

Further Information

VOC value 2%

SECTION 10: Stability and reactivity

10.1. Reactivity

No further relevant information available.

10.2. Chemical stability

Thermal decomposition Conditions to avoid
 No decomposition when used as directed.

10.3. Possibility of hazardous reactions

No known hazardous reactions.

10.4. Conditions to avoid

No further relevant information available.

10.5. Incompatible materials

No further relevant information available.

10.6. Hazardous decomposition products

No further relevant information available.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in GB CLP Regulation

Acute toxicity

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
431-89-0	1,1,1,2,3,3,3-Heptafluorpropan				
	inhalation (4 h) vapour	LC50 mg/l	788.696		
109-66-0	pentane				
	oral	LD50 mg/kg	>5.000		
	inhalation (4 h) vapour	LC50	25.3 mg/l		

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.

Safety Data Sheet

according to UK REACH Regulation

VITA POWDER SCAN SPRAY

Revision date: 31.05.2023

Product code: ECSCAN75V2

Page 6 of 9

Aspiration hazard

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

11.2. Information on other hazards

Endocrine disrupting properties

None of the ingredients are included.

SECTION 12: Ecological information

12.1. Toxicity

Aquatic toxicity No further relevant information available.

12.2. Persistence and degradability

No further relevant information available.

12.3. Bioaccumulative potential

No further relevant information available.

12.4. Mobility in soil

No further relevant information available.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH.

PBT: Not applicable

vPvB: Not applicable

12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

12.7. Other adverse effects

Remark The product is slightly volatile.

Further information

Water hazard class 1 (self-classification): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system. be allowed to enter.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

Must not be disposed of together with household waste. Do not allow to enter drains.

List of Wastes Code - residues/unused products

160504 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; gases in pressure containers (including halons) containing hazardous substances; hazardous waste

Contaminated packaging

Dispose of waste according to applicable legislation.

SECTION 14: Transport information

Land transport (ADR/RID)

<u>14.1. UN number or ID number:</u>	UN 1950
<u>14.2. UN proper shipping name:</u>	AEROSOLS
<u>14.3. Transport hazard class(es):</u>	2
<u>14.4. Packing group:</u>	-
Hazard label:	2.2

Safety Data Sheet

according to UK REACH Regulation

VITA POWDER SCAN SPRAY

Revision date: 31.05.2023

Product code: ECSCAN75V2

Page 7 of 9



Classification code:	5A
Special Provisions:	190 327 344 625
Limited quantity:	1 L
Excepted quantity:	E0
Transport category:	3
Tunnel restriction code:	E

Other applicable information (land transport)

QL: Maximum 30kg per package (carton), put "UN 1950" in hash mark on carton.

Marine transport (IMDG)

14.1. UN number or ID number:	UN 1950
14.2. UN proper shipping name:	AEROSOLS
14.3. Transport hazard class(es):	2.2
14.4. Packing group:	-
Hazard label:	2.2



Marine pollutant:	NO
Special Provisions:	63, 190, 277, 327, 344, 381, 959
Limited quantity:	1000 mL
Excepted quantity:	E0
EmS:	F-D, S-U
Segregation group:	1 - acids

Other applicable information (marine transport)

Limited quantity (LQ) 1L

Excepted Quantities (EQ) Code: E0 Nicht zugelassen als Ausgenommene Menge

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number or ID number:	UN 1950
14.2. UN proper shipping name:	AEROSOLS, NON-FLAMMABLE
14.3. Transport hazard class(es):	2.2
14.4. Packing group:	-
Hazard label:	2.2



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

EMS number: F-D,S-U

Safety Data Sheet

according to UK REACH Regulation

VITA POWDER SCAN SPRAY

Revision date: 31.05.2023

Product code: ECSCAN75V2

Page 8 of 9

14.7. Maritime transport in bulk according to IMO instruments

IMO instruments Not applicable

Other applicable information

UN-Musterregelung": UN 1950 DRUCKGASPACKUNGEN, 2.2

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 40

National regulatory information

Water hazard class (D): 1 - slightly hazardous to water

15.2. Chemical safety assessment

For this substance a chemical safety assessment has not been carried out.

SECTION 16: Other information**Changes**

This data sheet contains changes from the previous version in section(s): 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16.

Abbreviations and acronyms

RID: Règlement concernant le transport international ferroviaire de marchandises Dangereuses (Regulation on the Regulations concerning the International Carriage of Dangerous Goods by Rail)

IATA-DGR: Gefahrgut-Regelungen der "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technische Anweisungen der "International Civil Aviation Organization" (ICAO)

ADR: Accord européen relatif au transport international 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 (division of the American Chemical Society)

VOC: volatile organic compound(s)

DNEL: Derived-No effect level

LC50: lethal concentration, 50%

LD50: lethal dose, 50%

PBT: persistent, bioaccumulative and toxic

vPvB: very persistent and very bioaccumulative

Aerosol 3 Aerosols, Category 3

Press. Gas (Liq.) Gases under pressure liquefied gas

Flam. Liq. 2 Flammable Liquids, Category 2

STOT SE 3 Specific target organ toxicity (single exposure), Category 3

Asp. Tox. 1 Aspiration hazard Category 1

Aquatic Chronic 2 Hazardous to the aquatic environment Long-term hazardous to the aquatic environment - Category 2

Key literature references and sources for data

- Recommended restriction of use Product for professional use only. The information contained in this safety data sheet is, to the best of our knowledge, based on currently available information on the correct handling of the product under normal conditions. Any other use of this product not included in this data sheet together with other

Safety Data Sheet

according to UK REACH Regulation

VITA POWDER SCAN SPRAY

Revision date: 31.05.2023

Product code: ECSCAN75V2

Page 9 of 9

processes/procedures is the sole responsibility of the user. This document does not constitute an express or implied warranty of product quality or fitness for a particular purpose. purpose.

Relevant H and EUH statements (number and full text)

H225	Highly flammable liquid and vapour.
H229	Pressurised container: May burst if heated.
H280	Contains gas under pressure; may explode if heated.
H304	May be fatal if swallowed and enters airways.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.
EUH066	Repeated exposure may cause skin dryness or cracking.

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