

Safety Data Sheet

according to Regulation (EC) No 1907/2006

VITA POWDER SCAN SPRAY

Revision date: 31.05.2023

Product code: ECSCAN75V2

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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

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

Regulation (EC) No 1272/2008

Aerosol 3; H229

Full text of hazard statements: see SECTION 16.

Pressurised container: May burst if heated.

2.2. Label elements

Regulation (EC) No 1272/2008

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

SECTION 3: Composition/information on ingredients

3.2. Mixtures

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Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No 1272/2008)			
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

SECTION 4: First aid measures

4.1. Description of first aid measures

After inhalation

Provide fresh air.

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.

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

5.2. Special hazards arising from the substance or mixture

Hydrogen fluoride

5.3. Advice for firefighters

Wear full chemical protective clothing.

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

SECTION 6: Accidental release measures

6.3. Methods and material for containment and cleaning up

Other information

Provide adequate ventilation.

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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 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.

Hints on joint storage

Test not required.

Further information on storage conditions

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

Occupational exposure limit values

CAS No	Name of agent	ppm	mg/m ³	fib/cm ³	Category	Origin
109-66-0	Pentane	1000	3000		TWA (8 h)	

DNEL/DMEL values

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

8.2. Exposure controls

Individual protection measures, such as personal protective equipment

Eye/face protection

Test not required.

Hand protection

Test not required.

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

Changes in the physical state

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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.

Vapour pressure: (at 20 °C) 5.200 hPa

Density (at 20 °C): 1,25 g/cm³**9.2. Other information****Other safety characteristics**

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

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 Regulation (EC) No 1272/2008**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.

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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

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 REACH, annex XIII.

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

SECTION 13: Disposal considerations

13.1. Waste treatment methods

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



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

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)

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

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

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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

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

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.)