

Safety Data Sheet

VITA POWDER SCAN SPRAY

Revision date: 31.05.2023

Product code: ECSCAN75V2

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1. Identification

Product identifier

VITA POWDER SCAN SPRAY

Recommended use of the chemical and restrictions on use

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

2. Hazard(s) identification

Classification of the chemical

Regulation (EC) No 1272/2008

Aerosol 3; H229

Full text of hazard statements: see SECTION 16.

Pressurised container: May burst if heated.

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 Pressurized container: Do not pierce or burn, even after use.
P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Hazards not otherwise classified

Results of PBT and vPvB assessment

3. Composition/information on ingredients

Mixtures

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Hazardous components

CAS No	Components			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	Components	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

4. First-aid measures**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.

Most important symptoms and effects, both acute and delayed

No further relevant information available.

Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5. Fire-fighting measures**Extinguishing media****Specific hazards arising from the chemical**

Hydrogen fluoride

Special protective equipment and precautions for fire-fighters

Wear full chemical protective clothing.

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

6. Accidental release measures**Methods and material for containment and cleaning up****Other information**

Provide adequate ventilation.

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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 protection against fire and explosion**

Do not spray on naked flames or any incandescent material.

Keep away from sources of ignition - No smoking.

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.

Specific end use(s)

No further relevant information available.

8. Exposure controls/personal protection**Control parameters****Exposure limits**

CAS No	Substance	ppm	mg/m ³	f/cc	Category	Origin
109-66-0	n-Pentane	120	350		TWA (8 h)	REL
		C 610	C 1800		Ceiling	REL
109-66-0	Pentane	1000	2950		TWA (8 h)	PEL

DNEL/DMEL values

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

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.

9. Physical and chemical properties**Information on basic physical and chemical properties**

Physical state: Aerosols

Color:

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Odor: characteristic

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.

Vapor pressure: (at 20 °C) 5.200 hPa

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

Solvent content: 1,7%

Solid content: 1,2%

Evaporation rate: not applicable

Further Information

VOC value 2%

10. Stability and reactivity**Reactivity**

No further relevant information available.

Chemical stability

Thermal decomposition Conditions to avoid

Possibility of hazardous reactions

No known hazardous reactions.

Conditions to avoid

No further relevant information available.

Incompatible materials

No further relevant information available.

Hazardous decomposition products

No further relevant information available.

11. Toxicological information**Information on toxicological effects****Acute toxicity**

CAS No	Components				
	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		

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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.

Specific target organ toxicity (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.

12. Ecological information**Ecotoxicity**

Aquatic toxicity No further relevant information available.

Persistence and degradability

No further relevant information available.

Bioaccumulative potential

No further relevant information available.

Mobility in soil

No further relevant information available.

Results of PBT and vPvB assessment

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

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.

Other adverse effects

Remark

13. Disposal considerations**Waste treatment methods****Contaminated packaging**

Dispose of waste according to applicable legislation.

14. Transport information**Land transport (ADR/RID)****UN number or ID number:**

UN 1950

UN proper shipping name:

AEROSOLS

Transport hazard class(es):

2

Packing group:

-

Hazard label:

2.2

**Classification Code:**

5A

Special Provisions:

190 327 344 625

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Limited quantity: 1 L
 Excepted quantity: E0
 Transport category: 3
 Tunnel restriction code: E

Marine transport (IMDG)

UN number or ID number: UN 1950
UN proper shipping name: AEROSOLS
Transport hazard class(es): 2.2
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)

UN number or ID number: UN 1950
UN proper shipping name: AEROSOLS, NON-FLAMMABLE
Transport hazard class(es): 2.2
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

Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

15. Regulatory information**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

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Chemical Safety Assessment

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

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
Flammable Liquid 2 Flammable Liquids, Category 2
Specific Target Organ Toxicity (Single Exposure) 3 Specific target organ toxicity (single exposure), Category 3
Aspiration Toxicity 1 Aspiration hazard Category 1
Aquatic toxicity - chronic 2 Hazardous to the aquatic environment

Relevant H statements (full text)

H225	Highly flammable liquid and vapor
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.)