

## **SECTION1. Identification of the substance/mixture and of the company/undertaking**

### **1.1. Product identifier**

Product code : PULISVELT DUST CATCHER 300ml  
Trades code : 00733

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

SILICONE ANTI-DUST

Private households (= general public = consumers)[SU21], Public domain (administration, education, entertainment, services, craftsmen)[SU22]

Uses advised against

Do not use for purposes other than those listed

### **1.3. Details of the supplier of the safety data sheet**

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37060 Castel d'Azzano (Verona)  
Tel. +39 045 512090 - 045 518009  
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Produced by  
BERGEN s.r.l.  
Via Roma, 90  
37060 Castel d'Azzano (Verona)

### **1.4. Emergency telephone number**

Centro Antiveneni Ospedale Riuniti (BG) - 800.883300 24 ore su 24

## **SECTION2. Hazards identification**

### **2.1. Classification of the substance or mixture**

2.1.1 Classification according to Directive 1999/45/EEC:

Classification:

F+; R12 Xi; R38 N; R51/53 R 67

Nature of special risks attributed:

R12 - Extremely flammable.

R38 - Irritating to skin.

R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R67 - Vapours may cause drowsiness and dizziness.

The product ignites easily even at temperatures below 10 °C.

If brought into contact with the skin, the product causes significant inflammation with erythema, scabs, or edema.

Warning: Vapours inhalation may cause sleepiness and giddiness

The repeated inhalation of vapors can cause drowsiness and giddiness.

Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50 ° C.

The aerosol containers overheated burst and can be ejected with violence from a distance and can take place a

dangerous mechanism for the fire.

The product is dangerous for the environment as it is toxic to aquatic organisms following acute exposure.

The product can cause long-term adverse effects in the aquatic environment, being hardly degradable and / or bioaccumulative

## 2.2. Label elements

Labeling according to Directive (EC) No 1999/45:

Provided symbols:

F+ - Extremely flammable

Xi - Irritant

N - Harmful for the Environment



Attributed risk:

R12 - Extremely flammable.

R38 - Irritating to skin.

R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R67 - Vapours may cause drowsiness and dizziness.

Precautionary statements:

S2 - Keep out of the reach of children.

S16 - Keep away from sources of ignition — No smoking.

S23 - Do not breathe spray

S29/56 - Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.

S46 - If swallowed, seek medical advice immediately and show this container or label.

S51 - Use only in well-ventilated areas.

S61 - Avoid release to the environment. Refer to special instructions/Safety data sheets.

**WARNINGS** :Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50 ° C.Do not pierce or burn, even after usage. Do not spray on a naked flame or incandescent material.Keep away from sources of ignition - No smoking. Keep out of reach of children.

## 2.3. Other hazards

The substance / mixture does NOT contains substances PBT/vPvB according to Regulation (EC) No 1907/2006, Annex XIII

No information on other hazards

## SECTION3. Composition/information on ingredients

### 3.1 Substances

Irrilevant

### 3.2 Mixtures

Refer to paragraph 16 for full text of risk phrases and hazard statements

mixture: n-Butane + i-Butane + Propane contains less than 0,1 % w/w 1,3-butadiene (EINECS No 203-450-8)

Substance	Concentration	Classification	Index	CAS	EINECS	REACH
mixture: n-Butane + i-Butane + Propane	> 30 <= 50%	F+; R12 Flam. Gas 1, H220; Liq. Gas, H280	649-199-00-1	68476-40-4	200-681-4	01- 2119486557- 22
HYDROCARBONS C7 n-alkanes, isoalkanes, cycloalkanes	> 30 <= 50%	F; R11 Xi; R38 N; R51/53 Xn; R65 R67 Flam. Liq. 2, H225;	N.A.	N.A.	927-510-4	01- 2119475515- 33

Substance	Concentration	Classification	Index	CAS	EINECS	REACH
		Asp. Tox. 1, H304; Skin Irrit. 2, H315; STOT SE 3, H336; Aquatic Chronic 2, H411				
1,2-dichloropropane	> 1 <= 5%	F; R11 Xn; R20/22 Flam. Liq. 2, H225; Acute Tox. 4, H302; Acute Tox. 4, H332	602-020-00-0	78-87-5	201-152-2	01- 2119557878- 16
Hydrocarbons, C11-C13, isoalkanes, <2% aromatics	> 1 <= 5%	Xn; R65 R66	n.a.	n.a.	920-901-0	01- 2119456810-
Hydrocarbons, C11-C12, isoalkanes, <2% aromatics	> 1 <= 5%	Xn; R65 R66	n.a.	n.a.	918-167-1	01- 2119472146-
Perfume	> 0,1 <= 1%	Xi; R38 Xi; R43 N; R51/53 Skin Irrit. 2, H315; Skin Sens. 1, H317; Aquatic Chronic 2, H411	N.A.	N.A.	N.A.	N.A.

## SECTION4. First aid measures

### 4.1. Description of first aid measures

#### Inhalation:

Air the area. Move immediately the contaminated patient from the area and keep him at rest in a well ventilated area. If you feel unwell seek medical advice.

#### Direct contact with skin (of the pure product):

Take contaminated clothing Immediately off.  
Wash immediately with plenty of running water and possibly with soap, the areas of the body that have, or are only suspected to have, come in contact with the product.

#### Direct contact with eyes (of the pure product):

Wash immediately and thoroughly with running water for at least 10 minutes.

#### Ingestion:

Not hazardous. It's possible to give activated charcoal in water or liquid paraffin medicine

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

No data available.

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

If you experience harmful symptoms, contact a physician immediately.

## SECTION5. Firefighting measures

### 5.1. Extinguishing media

#### Advised extinguishing agents:

Water spray, CO<sub>2</sub>, foam, dry chemical, depending on the materials involved in the fire.  
CO<sub>2</sub> or dry powder extinguisher

#### Extinguishing means to avoid:

Direct jets of water

### **5.2. Special hazards arising from the substance or mixture**

The aerosol containers overheated burst and can be ejected with violence from a distance and can take place a dangerous mechanism for the fire.

Manufactured under pressure in sealed metal container (test pressure 15 bar max). Cool containers with water spray trying to remove them from the fire. The aerosol containers can be overheated and burst violently ejected from a distance ( protect the head using a safety helmet).

### **5.3. Advice for firefighters**

Use protection for the breathing apparatus  
Safety helmet and full protective suit.

The spray water can be used to protect the people involved in the extinction

You may also use selfrespirator, especially when working in confined and poorly ventilated area and if you use halogenated extinguishers (Halon 1211 fluobrene, Solkan 123, NAF, etc...)

Keep containers cool with water spray

## **SECTION6. Accidental release measures**

### **6.1. Personal precautions, protective equipment and emergency procedures**

6.1.1 For non-emergency personnel:

Leave the area surrounding the spill or release. Do not smoke

Leave the surrounding area recalling that any overheating could project the cylinder at a considerable distance.

Wear gloves and protective clothing

6.1.2 For emergency responders:

Given the tightness of aerosol, it is unlikely that the spillage may occur.

However if some container is damaged likely to cause a loss, insulate the tank in question by bringing it to open air or covering it with inert material and fuel (eg sand, earth, vermiculite) and having the care to avoid any point of ignition that might pose a serious risk of fire.

Wear gloves and protective clothing

Eliminate all unguarded flames and possible sources of ignition. No smoking.

Provision of sufficient ventilation.

Evacuate the danger area and, in case, consult an expert.

### **6.2. Environmental precautions**

Contain spill

Inform the competent authorities.

Discharge the remains in compliance with the regulations

### **6.3. Methods and material for containment and cleaning up**

6.3.1 For containment:

Rapidly recover the product, wear a mask and protective clothing

Recover the product for reuse, if possible, or the removal.

6.3.2 For cleaning up:

After wiping up, wash with water the area and materials involved

6.3.3 Other information:

None in particular.

### **6.4. Reference to other sections**

Refer to paragraphs 8 and 13 for more information

## **SECTION7. Handling and storage**

### 7.1. Precautions for safe handling

Avoid contact and inhalation of vapors. See also paragraph 8 below.

At work do not eat or drink.

Do not smoke at work

Vapors are heavier than air and may spread close to the ground and form explosive mixtures with air. Prevent formation of flammable or explosive concentrations in the air.

Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50 ° C.

Do not pierce or burn, even after the use. Do not spray on flame or incandescent objects. Use in adequately ventilated areas.

### 7.2. Conditions for safe storage, including any incompatibilities

Keep in original container closed tightly. Do not store in open or unlabeled containers.

Keep containers upright and safe by avoiding the possibility of falls or collisions.

Pressurized container. Store in a ventilated place, in original packaging away from heat and sunlight.

Keep away from open flames, sparks and heat sources. Avoid direct sunlight exposure.

### 7.3. Specific end use(s)

Private households (= general public = consumers):

Store in cool and dry places.

Public domain (administration, education, entertainment, services, craftsmen):

Handle with care.

Store in ventilated place away from heat sources,

Keep the container tightly closed.

## SECTION 8. Exposure controls/personal protection

### 8.1. Control parameters

No data available on the mixture.

Related to contained substances:

mixture: n-Butane + i-Butane + Propane

TLV-TWA (8h) 1000 ppm ACGIH (2006 Edition)

HYDROCARBONS C7 n-alkanes, isoalkanes, cycloalkanes

TWA 350 mg/m<sup>3</sup>, OEL-Italy All. 8 D.Lgs. 626/94

Oral

DNEL 149 mg/kg (Consumer)

bw/day Exposure, chronic, Systemic Effect

Dermal

DNEL 149 mg/kg (Consumer)

bw/day Exposure, chronic, Systemic Effects

300 mg/kg (Worker)

bw/day Exposure, chronic, Systemic Effects

Inhalation

DNEL 477 mg/m<sup>3</sup> (Consumer)

Chronic Exposure, Systematic Effects

2085 mg/m<sup>3</sup> (Worker)

Chronic Exposure, Systematic Effects

1,2-dichloropropane

Specification: TLV-STEL (EC)

Value: 508 mg/m<sup>3</sup>

Specification: TLV/TWA (EC)

Value: 347 mg/m<sup>3</sup>

Hydrocarbons, C11-C13, isoalkanes, <2% aromatics

No data available.

Hydrocarbons, C11-C12, isoalkanes, <2% aromatics

No data available.

Perfume

No data available

## 8.2. Exposure controls

Appropriate engineering controls:

Private households (= general public = consumers):

Open with caution. Close the container immediately after its use.

Adopt the appropriate protective measures.

Public domain (administration, education, entertainment, services, craftsmen):

Open with caution. Close the container immediately after its use.

Adopt the appropriate protective measures.

Individual protection measures:

(a) Eye / face protection

Wear safety goggles to EN-166

(b) Skin protection

(i) Hand protection

When handling the pure product use chemical resistant protective gloves (EN 374-1/EN374-2/EN374-3)

(ii) Other

Avoid direct contact with the skin

Better is to use cotton antistatic clothing

(c) Respiratory protection

Work in a sufficiently ventilated to avoid inhaling the product.

Use appropriate protective equipment as active small masks for organic solvents

(d) Thermal hazards

No hazard to report

Environmental exposure controls:

Use according to good working practices to avoid pollution into the environment.

## SECTION9. Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical and chemical properties	Value	Determination method
Appearance	AEROSOL	
Odour	CHARACTERISTIC	
Odour threshold	not determined	
pH	7	
Melting point/freezing point	not determined	
Initial boiling point and boiling range	not determined	

Physical and chemical properties	Value	Determination method
Flash point	infiammabilità	
Evaporation rate	irrelevant	
Flammability (solid, gas)	infiammabilità	
Upper/lower flammability or explosive limits	infiammabilità	
Vapour pressure	not determined	
Vapour density	not determined	
Relative density	not determined	
Solubility	not available	
Water solubility	not available	
Partition coefficient: n-octanol/water	not determined	
Auto-ignition temperature	not determined	
Decomposition temperature	not determined	
Viscosity	not determined	
Explosive properties	not determined	
Oxidising properties	not determined	
Container volume	not determined	
Product volume	not determined	
Pressure to 20°C	not determined	
Deformation pressure	not determined	
Burst pressure of the container	not determined	
Flash point of liquid phase	not determined	
Propellant inflammability	- 60 °C	

## 9.2. Other information

No data available.

## SECTION 10. Stability and reactivity

### 10.1. Reactivity

No reactivity hazards

### 10.2. Chemical stability

No hazardous reaction when handled and stored according to provisions.

### 10.3. Possibility of hazardous reactions

There are no hazardous reactions

### 10.4. Conditions to avoid

Take precautionary measures against static discharges.

The aerosol product is stable for a period of more than 36 months and under normal storage conditions may not be dangerous reactions because the container is hermetically sealed.

Avoid contact with oxidizing materials. The product may ignite.

Avoid heat, open flames, sparks and hot surfaces.

In order to avoid that the metal of the container can deteriorate, keep away from acid reaction products or basica.

Attention to heat because at temperatures exceeding 50 °C there is an increase in pressure inside the container such as to reach the deformation of the tank until the outbreak.

### 10.5. Incompatible materials

Incandescent bodies, oxidizing materials.

### 10.6. Hazardous decomposition products

Does not decompose when used for intended uses.

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## SECTION 11. Toxicological information

### 11.1. Information on toxicological effects

No toxicological tests have been performed on the mixture.

- (a) acute toxicity: not applicable
- (b) irritation: If brought into contact with the skin, the product causes significant inflammation with erythema, scabs, or edema.
- (c) corrosivity: not applicable
- (d) sensitisation: not applicable
- (e) repeated dose toxicity: not applicable
- (f) carcinogenicity: not applicable
- (g) mutagenicity: not applicable
- (h) toxicity for reproduction: not applicable

Related to contained substances:

mixture: n-Butane + i-Butane + Propane

Toxicity:

Not-toxic but simple suffocating. Gaseous state has no effect on the skin and mucous membranes. The vapours may cause narcotic effects.

Irritating power:

The contact of the liquid product on the skin causes cold sores.

There is no evidence relating to the following effects: Chronic toxicity - Sensitization - Mutagenesis - Teratogenesis - Carcinogenesis.

HYDROCARBONS C7 n-alkanes, isoalkanes, cycloalkanes

Oral LD50 > 5840 mg/kg (rat)

Minimally toxic. Based on test data for materials of similar structure. Equivalent Test (-s) or similar to OECD guideline 401

LD50 dermal > 2920 mg/kg (rat)

Minimally toxic. Based on test data for materials of similar structure. Equivalent Test (-s) or similar to OECD guideline 402

Inhalation Lc50/4h :23.3 mg/l (rat)

1,2-dichloropropane

Specification: LD50 Via oral administration:

Test species: rat

Value: 1900 mg/kg

Specification: LD50

Via Dermal intake:

Test species: Rabbit

Value: 8750 mg/kg

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Hydrocarbons, C11-C13, isoalkanes, <2% aromatics  
No data available.

Hydrocarbons, C11-C12, isoalkanes, <2% aromatics  
No data available.

Perfume  
No data available.

## **SECTION12. Ecological information**

### **12.1. Toxicity**

The product has not been tested for environmental impact in the event of accidental release in the environment.

Related to contained substances:

mixture: n-Butane + i-Butane + Propane  
No data available

HYDROCARBONS C7 n-alkanes, isoalkanes, cycloalkanes  
CE50 10 mg/l, 72h (Pseudokirchneriella subcapitata) (NOELR)  
EC50 50,3 mg/l, 48h (Daphnia Magna) (EL 50)  
>13,4 mg/l 96h (Oncorhynchus mykiss) (LL 50)  
IC50 10-30 mg/l (72 ore) (Pseudokirchneriella subcapitata) (EL 50)

1,2-dichloropropane  
Specification: acute Toxic LC50  
Parametro: Daphnia  
Value = 11.5 mg/l

Hydrocarbons, C11-C13, isoalkanes, <2% aromatics  
Do not assume that it is harmful to aquatic organisms.

Hydrocarbons, C11-C12, isoalkanes, <2% aromatics  
Do not assume that it is harmful to aquatic organisms.

Perfume  
No data available.

The product is dangerous for the environment as it is toxic to aquatic organisms following acute exposure.  
The product can cause long-term adverse effects in the aquatic environment, being hardly degradable and / or bioaccumulative

Use according to good working practices to avoid pollution into the environment.

### **12.2. Persistence and degradability**

No data available on the mixture.

Related to contained substances:

mixture: n-Butane + i-Butane + Propane  
No data available

HYDROCARBONS C7 n-alkanes, isoalkanes, cycloalkanes  
Readily biodegradable.

1,2-dichloropropane  
No data available.

Hydrocarbons, C11-C13, isoalkanes, <2% aromatics  
It is assumed that it is inherently biodegradable.

Hydrocarbons, C11-C12, isoalkanes, <2% aromatics  
It is assumed that it is inherently biodegradable.

Perfume  
No data available.

### **12.3. Bioaccumulative potential**

No data available on the mixture.

Related to contained substances:

mixture: n-Butane + i-Butane + Propane  
No data available

HYDROCARBONS C7 n-alkanes, isoalkanes, cycloalkanes  
Potentially bioaccumulating.

1,2-dichloropropane  
No data available.

Hydrocarbons, C11-C13, isoalkanes, <2% aromatics  
No data available.

Hydrocarbons, C11-C12, isoalkanes, <2% aromatics  
No data available.

Perfume  
No data available.

### **12.4. Mobility in soil**

No data available on the mixture.

Related to contained substances:

mixture: n-Butane + i-Butane + Propane  
No data available

HYDROCARBONS C7 n-alkanes, isoalkanes, cycloalkanes  
No data available.

1,2-dichloropropane  
No data available.

Hydrocarbons, C11-C13, isoalkanes, <2% aromatics  
No data available.

Hydrocarbons, C11-C12, isoalkanes, <2% aromatics  
No data available.

Perfume

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No data available.

#### 12.5. Results of PBT and vPvB assessment

The substance / mixture does NOT contains substances PBT/vPvB according to Regulation (EC) No 1907/2006, Annex XIII

#### 12.6. Other adverse effects

No adverse effects

### SECTION13. Disposal considerations

#### 13.1. Waste treatment methods

The waste must be disposed of in compliance with the regulations in force delivering empty containers for final disposal and equipped to safely handle pressurized containers containing flammable liquids and gas waste. The empty container heated to temperatures exceeding 70 ° C can burst.

Recover if possible. Send to authorized discharge plants or for incineration under controlled conditions. Operate according to local and National rules in force

### SECTION14. Transport information

#### 14.1. UN number

1950

ADR exemption because compliance with the following characteristics:

Combination packagings: per inner packaging 1 L per package 30 Kg

Inner packagings placed in skrink-wrapped or stretch-wrapped trays: per inner packaging 1 L per package 20 Kg



#### 14.2. UN proper shipping name

AEROSOL flammable

#### 14.3. Transport hazard class(es)

Class : 2

Label : 2.1

Tunnel restriction code : D

Limited quantities : 1 L

EmS : F-D, S-U

#### 14.4. Packing group

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#### 14.5. Environmental hazards

Product is environmentally hazardous

Marine polluting agent : Not

#### 14.6. Special precautions for user

The transport must be carried out by authorised vehicles carrying dangerous goods in accordance with the requirements of the current edition of A.D.R Agreement. and the national provisions applicable.

The transport must be carried out in the original packaging and in packages that are made from materials resistant from the content and not likely to generate with this dangerous reactions. Attendants to the loading and unloading of dangerous goods must have received proper training on the risks presented by prepared and on possible procedures to

be taken in the event of emergency situations

#### **14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

It is not intended to carry bulk

### **SECTION15. Regulatory information**

#### **15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Regulation 648/2004/EC (detergents), Legislative Decree no. 3/2/1997 no. 52 (Classification, packaging and labeling of dangerous substances). Legislative Decree 14.3.2003 n. 65 (Classification, packaging and labeling of dangerous substances). Leg. 02/02/2002 n. 25 (Risks related to chemical agents at work). D.M. Working 26/02/2004 (Occupational exposure limit); DM 04/03/2007 (Implementation of Directive no. 2006/8/EC). Regulation (EC) n. 1907/2006 (REACH) Regulation (EC) n. 1272/2008 (CLP) Regulation (EC) n.790/2009.D.Lgs. September 21, 2005 n. 238 (Seveso Ter).

#### **15.2. Chemical safety assessment**

No chemical safety assessment was carried out by the supplier

### **SECTION16. Other information**

#### **16.1. Other information**

Points modified compared to previous release: 2.1. Classification of the substance or mixture, 2.2. Label elements, 2.3. Other hazards, 4.3. Indication of any immediate medical attention and special treatment needed, 6.1. Personal precautions, protective equipment and emergency procedures, 7.2. Conditions for safe storage, including any incompatibilities, 8.1. Control parameters, 8.2. Exposure controls, 10.4. Conditions to avoid, 10.5. Incompatible materials, 11.1. Information on toxicological effects, 12.1. Toxicity, 12.2. Persistence and degradability, 12.3. Bioaccumulative potential, 12.4. Mobility in soil

Description of the sentences of risk set out in paragraph 3

- R11 = Highly flammable.
- R12 = Extremely flammable.
- R20 = Harmful by inhalation.
- R22 = Harmful if swallowed.
- R38 = Irritating to skin.
- R43 = May cause sensitization by skin contact.
- R51 = Toxic to aquatic organisms.
- R53 = May cause long-term adverse effects in the aquatic environment.
- R65 = Harmful: may cause lung damage if swallowed.
- R66 = Repeated exposure may cause skin dryness or cracking.
- R67 = Vapours may cause drowsiness and dizziness.

Description of the hazard statements exposed to point 3

- H220 = Extremely flammable gas.
- H280 = Contains gas under pressure; may explode if heated.
- H225 = Highly flammable liquid and vapour.
- H304 = May be fatal if swallowed and enters airways.
- H315 = Causes skin irritation.
- H336 = May cause drowsiness or dizziness.
- H411 = Toxic to aquatic life with long lasting effects.
- H302 = Harmful if swallowed.
- H332 = Harmful if inhaled.
- H317 = May cause an allergic skin reaction.

Classification based on data of all mixture components

Main normative references:  
Directive 1999/45/EC

Directive 2001/60/EC  
Regulation 1272/2008/EC  
Regulation 2010/453/EC

\*\*\* This Board cancels and replaces any previous edition.

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