

SOUFFLEUR DEPOUSSIERANT MULTIPositionS

300 grs

Safety Data Sheet

according to Regulation (EC) No. 453/2010

Date of issue: 05/03/2014

Revision date: 15/10/2014

Supersedes: 28/07/2014

Version: 3.0

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

1.1. Product identifier

Product form : Mixture
Product name : Dust Remover - 300 grs
Product code : 771006
Identification of the product : Aerosol

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

1.2.1. Relevant identified uses

Industrial/Professional use spec : Industrial
For professional use only

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

COMPUCLEAN Scs
8 rue des MARINIERS
75014 PARIS – France
Tél 09 54 98 24 36 – Fax 09 59 98 24 36
www.compuclean.fr – compuclean@free.fr

1.4. Emergency telephone number

No additional information available

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Aerosol 3 H229

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Not classified

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP) : Warning
Hazard statements (CLP) : H229 - Pressurised container: May burst if heated
Precautionary statements (CLP) : P102 - Keep out of reach of children
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
P211 - Do not spray on an open flame or other ignition source
P251 - Do not pierce or burn, even after use
P260 - Do not breathe spray
P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F
Extra phrases (aerosol) : 13% by mass of the contents are flammable
Extra phrases : Not to be used for any purpose other than the one the product was designed for
For professional use only
Gas contains fluorinated greenhouse gases: HFC-134a:0.261kg; HFC-152a:0.039kg; 0,378t
Eq.CO2; GWP=1260

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

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3.2. Mixture

Name	Product identifier	%	Classification according to Directive 67/548/EEC
1,1,1,2-Tetrafluoroethane	(CAS No) 811-97-2 (EC no) 212-377-0 (REACH-no) 01-2119459374-33	80 - 90	Not classified
1,1-Difluoroethane	(CAS No) 75-37-6 (EC no) 200-866-1	10 - 20	F+; R12

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
1,1,1,2-Tetrafluoroethane	(CAS No) 811-97-2 (EC no) 212-377-0 (REACH-no) 01-2119459374-33	80 - 90	Liquefied gas, H280
1,1-Difluoroethane	(CAS No) 75-37-6 (EC no) 200-866-1	10 - 20	Flam. Gas 1, H220 Liquefied gas, H280

Full text of R- and H-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation	: Allow victim to breathe fresh air. Allow the victim to rest. Obtain medical attention if breathing difficulty persists.
First-aid measures after skin contact	: In the event of contact with the liquid: treat resulting frostbite as a burn. Immediately remove contaminated clothing or footwear. Wash immediately with lots of water. If skin burns appear, call a doctor immediately.
First-aid measures after eye contact	: In case of eye contact, immediately rinse with clean water for 10-15 minutes. Consult an eye specialist immediately.
First-aid measures after ingestion	: Ingestion unlikely.

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

Symptoms/injuries after inhalation	: Narcotic effect. CNS depression. Cardiac disorders.
Symptoms/injuries after skin contact	: Contact of refrigerant and/or packaging with skin may cause frostbite.
Symptoms/injuries after eye contact	: Contact with the liquefied gas may cause severe ocular lesions.
Symptoms/injuries after ingestion	: Ingestion unlikely.

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

Advice to physicians: Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Carbon dioxide. Foam. Powder. Water spray.
Unsuitable extinguishing media	: None, to our knowledge.

5.2. Special hazards arising from the substance or mixture

Fire hazard	: Not flammable.
Hazardous decomposition products in case of fire	: Toxic and corrosive vapours are released.

5.3. Advice for firefighters

Precautionary measures fire	: Do not enter fire area without proper protective equipment, including respiratory protection.
Firefighting instructions	: Exercise caution when fighting any chemical fire. During a fire, projections ignited aerosol that burst under excessive pressure have to be controlled. To avoid overpressure, cool aerosols with water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Measures to take in the case of crushing or piercing aerosols, causing the leaking of products contained in aerosols. Remove ignition sources. Ventilate area. No smoking. Provide local exhaust or general room ventilation. Evacuate and limit access.
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6.1.1. For non-emergency personnel

Emergency procedures	: Do not touch spilled material. Evacuate area.
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6.1.2. For emergency responders

Protective equipment	: Wear recommended personal protective equipment. Provide adequate ventilation. Remove all sources of ignition. Avoid contact with skin and eyes. Do not inhale vapour.
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6.2. Environmental precautions

No additional information available

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6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Mechanically ventilate the spillage area.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Good ventilation of the workplace required. Use only properly specified equipment which is suitable for this product, its supply pressure and temperature. Not to be used for any purpose other than the one the product was designed for. Do not breathe gas, fumes, vapour or spray. During the handling of a pallet, you have to take all precaution to avoid a start of an accident perforation of the aerosol by a fork-lift truck. During the load and unloading of the vehicle, you have to take all the precaution to avoid a fall a aerosol. Do not spray the aerosol neither close nor towards a flame, a white-hot body, an electrical appliance in running, DO NOT SMOCKING. Container under pressure. Do not drill or burn even after use. Store and handle as though always a serious potential fire/explosion and health hazard exists.

Hygiene measures : Do not eat, drink or smoke during work. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Keep at temperature not exceeding 50 °C.

Storage conditions : Recommendations applicable to warehouses and reserves which are stored aerosols. It is recommended to de-normalize aerosols in stock . The " aerosol " or area must be set with a wire mesh of mesh max 5cm, forming a cage or using walls to avoid splashing the aerosols may ignite rest of the stock . Do not smoke.

To reduce the risk of falling, should position the pallet closest to the ground. If the packages are stacked, it should ensure that those lower layers do not crash (risk of leakage through compression). It is recommended :

- Ventilate the premises and not store any sprays near heat sources, including sunlight, sparks and open flames
- To use the procedure of fire when working . Store in a dry, well ventilated place .

Incompatible materials : Strong oxidizing agents. Alkaline hydroxide. Alkaline earth metals.

7.3. Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

1,1,1,2-Tétrafluoroéthane (811-97-2)		
France	VME (mg/m ³)	4420 mg/m ³
France	VME (ppm)	1000 ppm

8.2. Exposure controls

Hand protection : None under normal conditions.

Eye protection : No special eye protection equipment recommended under normal conditions of use.

Skin and body protection : No special clothing/skin protection equipment is recommended under normal conditions of use.

Respiratory protection : No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation.

Other information : Do not eat, drink or smoke during use. Provide local exhaust or general room ventilation.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Gas

Colour : Colourless.

Odour : slightly ethereal.

Odour threshold : No data available

pH : No data available

Relative evaporation rate (butylacetate=1) : No data available

Melting point : No data available

Freezing point : No data available

Boiling point : -26,4 °C

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Flash point	: Not applicable
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 1,18
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

The product is stable at normal handling and storage conditions.

10.3. Possibility of hazardous reactions

None under normal conditions.

10.4. Conditions to avoid

Heat. Open flame. Direct sunlight. Sparks.

10.5. Incompatible materials

Strong oxidizing agents. Alkalis and caustic products. Aerosol cases in metal, do not bring into contact with oxidize, acids or basis.

10.6. Hazardous decomposition products

Carbon dioxide. Thermal decomposition generates : Carbon monoxide. Hydrogen fluoride.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

1,1-Difluoroéthane (75-37-6)

LC50 inhalation rat (ppm)	383000 ppm/4h
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1,1,1,2-Tétrafluoroéthane (811-97-2)

LC50 inhalation rat (ppm)	500000 ppm/4h
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Skin corrosion/irritation	: Not classified Based on available data, the classification criteria are not met
Serious eye damage/irritation	: Not classified Based on available data, the classification criteria are not met
Respiratory or skin sensitisation	: Not classified Based on available data, the classification criteria are not met
Germ cell mutagenicity	: Not classified Based on available data, the classification criteria are not met
Carcinogenicity	: Not classified Based on available data, the classification criteria are not met
Reproductive toxicity	: Not classified Based on available data, the classification criteria are not met
Specific target organ toxicity (single exposure)	: Not classified Based on available data, the classification criteria are not met
Specific target organ toxicity (repeated exposure)	: Not classified Based on available data, the classification criteria are not met

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Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

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Potential adverse human health effects and symptoms : Contact with the liquefied gas may cause severe ocular lesions. Contact with the liquid causes frostbite.

SECTION 12: Ecological information

12.1. Toxicity

No additional information available

12.2. Persistence and degradability

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Persistence and degradability	product persistent.
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12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose used or damaged aerosol cans at permitted disposal sites. Dispose in a safe manner in accordance with local/national regulations.

Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

UN-No. (ADR)	: 1950
UN-No. (IMDG)	: 1950
UN-No.(IATA)	: 1950
UN-No.(ADN)	: 1950
UN-No. (RID)	: 1950

14.2. UN proper shipping name

Proper Shipping Name (ADR)	: AEROSOLS
Proper Shipping Name (IMDG)	: AEROSOLS
Proper Shipping Name (IATA)	: AEROSOLS, NON-FLAMMABLE, CONTAINING TOXIC GAS
Proper Shipping Name (ADN)	: AEROSOLS
Proper Shipping Name (RID)	: AEROSOLS

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR)	: 2.2
Hazard labels (ADR)	: 2.2



IMDG

Transport hazard class(es) (IMDG)	: 2.2
Danger labels (IMDG)	: 2.2

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IATA

Transport hazard class(es) (IATA) : 2.2
Hazard labels (IATA) : 2.2



ADN

Transport hazard class(es) (ADN) : 2.2
Danger labels (ADN) : 2.2



RID

Transport hazard class(es) (RID) : 2.2
Danger labels (RID) : 2.2



14.4. Packing group

Packing group (ADR) : Not applicable
Packing group (IMDG) : Not applicable
Packing group (IATA) : Not applicable
Packing group (ADN) : Not applicable
Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No
Marine pollutant : No
Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

Classification code (ADR) : 5A
Special provisions (ADR) : 190, 327, 344, 625
Limited quantities (ADR) : 1I
Excepted quantities (ADR) : E0
Packing instructions (ADR) : P207, LP02
Special packing provisions (ADR) : PP87, RR6, L2
Mixed packing provisions (ADR) : MP9
Transport category (ADR) : 3
Tunnel restriction code (ADR) : E

14.6.2. Transport by sea

Special provisions (IMDG) : 63, 190, 277, 327, 344, 959

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Limited quantities (IMDG)	: SP277
Excepted quantities (IMDG)	: E0
Packing instructions (IMDG)	: P207, LP02
Special packing provisions (IMDG)	: PP87, L2
Stowage category (IMDG)	: None
Stowage and segregation (IMDG)	: Protected from sources of heat?For AEROSOLS with a maximum capacity of 1 litre: Category A. Segregation as for class 9 but 'Separated from' class 1 except division 1.4.?For AEROSOLS with a capacity above 1 litre: Category B. Segregation as for the appropriate sub-division of class 2.?For WASTE AEROSOLS: Category C. Clear of living quarters. Segregation as for the appropriate sub-division of class 2.

14.6.3. Air transport

PCA Excepted quantities (IATA)	: E0
PCA Limited quantities (IATA)	: Y203
PCA limited quantity max net quantity (IATA)	: 30kgG
PCA packing instructions (IATA)	: 203
PCA max net quantity (IATA)	: 75kg
CAO packing instructions (IATA)	: 203
CAO max net quantity (IATA)	: 150kg
Special provisions (IATA)	: A985, A14, A167
ERG code (IATA)	: 2L

14.6.4. Inland waterway transport

Classification code (ADN)	: 5A
Special provisions (ADN)	: 19, 327, 344, 625
Limited quantities (ADN)	: 1 L
Excepted quantities (ADN)	: E0
Equipment required (ADN)	: PP
Ventilation (ADN)	: VE04
Number of blue cones/lights (ADN)	: 0
Not subject to ADN	: No

14.6.5. Rail transport

Special provisions (RID)	: 190, 327, 344, 625
Limited quantities (RID)	: 1L
Excepted quantities (RID)	: E0
Packing instructions (RID)	: P207, LP02
Special packing provisions (RID)	: PP87, RR6, L2
Mixed packing provisions (RID)	: MP9
Transport category (RID)	: 3
Special provisions for carriage – Packages (RID)	: W14
Special provisions for carriage - Loading, unloading and handling (RID)	: CW9, CW12
Colis express (express parcels) (RID)	: CE2
Hazard identification number (RID)	: 20
Carriage prohibited (RID)	: No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Aerosol Generator Directive 75/324/EEC and its adaptations.

15.1.2. National regulations

No additional information available

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15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes:

	Extra phrases	Modified	
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Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information : Imp. DL4.

Full text of R-, H- and EUH-phrases:

Aerosol 3	Aerosol, Category 3
Flam. Gas 1	Flammable gases, Category 1
Liquefied gas	Gases under pressure : Liquefied gas
H220	Extremely flammable gas
H229	Pressurised container: May burst if heated
H280	Contains gas under pressure; may explode if heated
R12	Extremely flammable
F+	Extremely flammable

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product