Version: 1 Issue date: 27/02/2025

Airduster 400ml non-flammable / Airduster 200ml non-flammable invertible

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

1.1 - Product identifier

Trade name/designation Airduster 400ml non-flammable / Airduster 200ml non-flammable invertible

Chemical name

Product-type Mixture

Product code 944479, 944483

UFI: 7110-S03P-Y00S-ESC2

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

Relevant identified uses - Aerosols

- Consumer uses: Private households (= general

public = consumers)

1.3 - Details of the supplier of the safety data sheet

Fabrica moderna

A. Juozapaviciaus ave. 7F, LT-45251

Kaunas Lithuania

Telephone: +370 612 10528

1.4 - Emergency telephone number

Giftnotrufzentrale (Österreich) Tel. No.: +43 1 406 4343

Toxikologické informa ní centrum (eská republika)

Tel. No.: +420 224 919 293 / +420 224 915 402

Giftlinjen (Denmark) Tel. No.: +45 82 12 12 12

Mürgistusteabekeskus (Eesti)

Tel. No.: +372 794 3794 (or 16662 national/ või 16662 riiklikku)

Myrkytystietokeskus (Suomi) Tel. No.: +358 09 471 977

ORFILA (INERIS) (France) Tel. No.: +33 (0) 1 45 42 59 59

Giftinformationszentrum, Charité – Universitätsmedizin Berlin, Hindenburgdamm 30, 12203 Berlin (Deutschland)

Tel. No.: +4930 30686700

Egészségügyi Toxikológiai Információs Szolgálat (Magyarország)

Tel. No.: +36 80 20 11 99

National Poisons Information Centre (Ireland)

Tel. No.: +353 (0) 1 809 2166

Hosp. Niguarda Ca 'Granda - Milan, Tel. No.: +39 02 66101029; CAV National Toxicological Information Center -

Pavia, Tel. No.: +39 038224444 (Italy)

Nationaal Vergiftigingen Informatie Centrum (NVIC) (Nederland)

Tel. No.: +31 (0) 30 274 8888

Europejski numer alarmowy (Polska)

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1/14 **English**

Version: 1

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Národné toxikologické informa né centrum (NTIC) (Slovensko)

Tel. No.: +421 2 5477 4166

Svensk Giftinformationscentral (Sverige)

Tel. No.: +46 08 331231

SECTION 2: Hazards identification

2.1 - Classification of the substance or mixture

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

Aerosol 3	Aerosol - Category 3
7 101 0001 0	riordddi daidgolf d

2.2 - Label elements

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

Contains: Trans-1,3,3,3-Tetrafluroprop-1-ene

Signal word Warning **Pictograms** None

Hazard statements

H229

Precautionary statements

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P103	Read carefully and follow all instructions.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P251	Do not pierce or burn, even after use.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
EUH-phrases	: None

2.3 - Other hazards

PBT-substance.	- This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.
vPvB-substance.	- This substance does not meet the PBT/vPvB criteria of REACH. Annex XIII.

Other hazards which do not result in classification - Can cause frostbite.

- Harmful by inhalation.
- The propellant gas is not taken into account when determining the health and environmental classification of the mixture.

SECTION 3: Composition / information on ingredients

3.1 - Substances

Not applicable

2/14 **English**

Version: 1

Issue date: 27/02/2025

3.2 - Mixtures

Chemical name	No.	%	Class(es)	Specific concentration limit
Trans-1,3,3,3-Tetrafluroprop- 1-ene INCI: TETRAFLUOROPROP ENE	CAS No. : 29118-24-9 Index No. : EC No. :	> 50 - <= 100	Press. Gas	Not applicable

- Propellant content

SECTION 4: First aid measures

4.1 - Description of first aid measures

Following inhalation	Provide fresh air.When in doubt or if symptoms are observed, get medical advice.
Following skin contact	In case of frostbite, wash with plenty of water; do not remove clothing.When in doubt or if symptoms are observed, get medical advice.
After eye contact	 Rinse immediately carefully and thoroughly with eye-bath or water. Remove contact lenses, if present and easy to do. Continue rinsing. In case of eye irritation consult an ophthalmologist.
After ingestion	- In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

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

Symptoms and effects -Following inhalation

- No information available.

Symptoms and effects -Following skin contact

- No information available.

Symptoms and effects - After - No information available. eye contact

<u>Symptoms and effects - After</u> - No information available. ingestion

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

- Treat symptomatically.
- In case an intoxication is suspected, National Poisons Information Centre should be addressed immediately, number of Emergency telephone see in section 1.4.

SECTION 5: Firefighting measures

5.1 - Extinguishing media

Suitable extinguishing media

- ABC-powder

- Carbon dioxide (CO2)

- Foam

- Extinguishing powder

Unsuitable extinguishing <u>media</u>

- Full water jet

5.2 - Special hazards arising from the substance or mixture

3/14 **English**

Version: 1

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Special hazards arising from the substance or mixture	 May form hazardous decomposition products when exposed to high temperatures. Do not breathe smoke. Remove product from area of fire. Heating causes rise in pressure with risk of bursting. Use water spray jet to protect personnel and to cool endangered containers. Bursting aerosol containers may be propelled from a fire at high speed.
Hazardous decomposition products	- Carbon dioxide (CO2)
	- Carbon monoxide
	- Carbonyl difluoride
	- Hydrogen fluoride

5.3 - Advice for firefighters

- Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.
- Do not allow run-off from fire-fighting to enter drains or water courses.
- Move undamaged containers from immediate hazard area if it can be done safely.
- Use water spray jet to protect personnel and to cool endangered containers.
- Wear a self-contained breathing apparatus and chemical protective clothing.

SECTION 6: Accidental release measures

6.1 - Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	Use personal protection equipment.Provide adequate ventilation.
For emergency responders	- Wear personal protection equipment (refer to section 8).

6.2 - Environmental precautions

- Do not allow to enter into surface water or drains.
- Ensure waste is collected and contained.

6.3 - Methods and material for containment and cleaning up

Methods and material for containment	- Soak up inert absorbent and dispose as waste requiring special attention.
Methods and material for cleaning up	 Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Take up carefully when dry. Clear contaminated areas thoroughly. Clean contaminated articles and floor according to the environmental legislation.
Inappropriate techniques	- No information available.

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

English 4/14

<u>LogicSDS</u>

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7.1 - Precautions for safe handling

Recommendation

- Do not breathe gas/fumes/vapour/spray.
- Do not pierce or burn, even after use.
- Store in a place accessible by authorized persons only.

Advices on general occupational hygiene

- Wash hands before breaks and after work.

- When using do not eat, drink, smoke, sniff.

7.2 - Conditions for safe storage, including any incompatibilities

- Keep/Store only in original container.
- Keep locked up and out of reach of children.
- Do not store together with: Food and feedingstuffs
- Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- Store in a dry place. Store in a closed container.
- Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use.

7.3 - Specific end use(s)

- Aerosols

SECTION 8: Exposure controls/personal protection

8.1 - Control parameters

DNEL / PNEC

Trans-1,3,3,3-Tetrafluroprop-1-ene (29118-24-9)				
Туре	Value	User	Effect	
DNEL long-term inhalative	3902 mg/m³	Workers	Systemic	
DNEL long-term inhalative	830 mg/m³	Consumers	Systemic	
PNEC aquatic, freshwater	0.1 mg/l			

8.2 - Exposure controls

<u>Appro</u>	<u>priate</u>	eng	ineering	
contro				

- Do not eat, drink or smoke when using this product.
- If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means.
- Technical measures and the application of suitable work processes have priority over personal protection equipment.

Individual protection measures, such as personal protective equipment

- Additional eye protection measures: In case of increased risk, additionally
- In case of risk of splashes: Goggles with side-shields.
- BS EN ISO 16321-1:2022
- Wear cold insulating gloves and either face shield or eye protection.
- Protective gloves against cold (EN511)
- X20

English 5/14

- Breakthrough times and swelling properties of the material must be taken into consideration.

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- For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.
- This product should not be used under conditions of poor ventilation unless a protective mask with an appropriate gas filter (i.e. type A1 according to standard EN 14387) is used.
- Use only respiratory protection equipment with CE-symbol including four digit test number.

Environmental exposure controls

Dustiness

- Do not allow to enter into surface water or drains.

SECTION 9: Physical and chemical properties

9.1 - Information on basic physical and chemical properties

Physical state	gaseous	<u>Appearance</u>	Aerosol	
Colour	colourless	<u>Odour</u>	characteristic	
Odour threshold		No data available		
рН		No data available		
Melting point		No data available		
Freezing point		No data available		
Boiling point		No data available		
Flash point		No data available		
Evaporation rate		No data available		
flammability		No data available		
Lower explosion limit		No data available		
Upper explosion limit		No data available		
Vapour pressure		No data available		
Vapour density		No data available		
Relative density		No data available		
Density		1.17 g/ml		
Solubility (Water)		0.373 g/l practically insoluble		
Solubility (Ethanol)		No data available		
Solubility (Acetone)		No data available		
Solubility (Organic solvents)		No data available		
Log KOC		1.6		
Auto-ignition temperature		368 °C		
Decomposition temperature		No data available		
Kinematic viscosity		No data available		
Dynamic viscosity		No data available		
Particle characteristics				
Particle size		No data available		

English 6/14

No data available

Version: 1

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Specific surface area	No data available
Shape	No data available

9.2 - Other information

VOC content	1170 g/l 100%
Minimum ignition energy	No data available
Conductivity	No data available
Refractive index	No data available
Solids content	No data available
Surface tension	No data available
Saturation concentration	No data available

⁻ Trans-1,3,3,3-Tetrafluoroprop-1-ene is not considered as VOC in Switzerland.

SECTION 10: Stability and reactivity

10.1 - Reactivity

- This material is considered to be non-reactive under normal use conditions.

10.2 - Chemical stability

- The product is chemically stable under recommended conditions of storage, use and temperature.

10.3 - Possibility of hazardous reactions

- No hazardous reaction when handled and stored according to provisions.

10.4 - Conditions to avoid

- Keep away from sources of heat (e.g. hot surfaces), sparks and open flames.
- Keep cool. Protect from sunlight.
- Frost
- Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

10.5 - Incompatible materials

- Alkaline earth metal

10.6 - Hazardous decomposition products

- Does not decompose when used for intended uses.

SECTION 11: Toxicological information

11.1 - Information on hazard classes as defined in Regulation (EC) No 1272/2008

<u>Acute toxicity</u> - Based on available data, the classification criteria are not met.

Toxicity: Mixture

LD50 oral (rat)	No data available
LD50 dermal (rat)	No data available
LD50 dermal (rabbit)	No data available
LC50 inhalation (rat)	No data available
LC50 inhalation dusts and mists (rat)	No data available

English 7/14

Version : 1 Issue date : 27/02/2025

Airduster 400ml non-flammable / Airduster 200ml non-flammable invertible

	LC50 inhalation vapours (rat)	No data available
Toxicity: Substances		
	Trans-1,3,3,3-Tetrafluroprop-1-ene (29118-24-9) LC50 inhalation (rat)	> 207000 ppmV
Skin corrosion/irritation	- Based on available data, the classification criteria	a are not met.
Serious eye damage/eye irritation	- Based on available data, the classification criteria	a are not met.
Respiratory or skin sensitisation	- Based on available data, the classification criteria	a are not met.
Germ cell mutagenicity	- Based on available data, the classification criteria	a are not met.
Carcinogenicity	- Based on available data, the classification criteria	a are not met.
Reproductive toxicity	- Based on available data, the classification criteria	a are not met.
STOT-single exposure	- Based on available data, the classification criteria	a are not met.
STOT-repeated exposure	- Based on available data, the classification criteria	a are not met.
Aspiration hazard	- Based on available data, the classification criteria	a are not met.

11.2 - Information on other hazards

SECTION 12: Ecological information

12.1 - Toxicity

Toxicity: Mixture

EC50 48 hr crustacea	No data available
LC50 96 hr fish	No data available
ErC50 algae	No data available
ErC50 other aquatic plants	No data available
NOEC chronic fish	No data available
NOEC chronic crustacea	No data available
NOEC chronic algae	No data available
NOEC chronic other aquatic plants	No data available

Toxicity: Substances

Trans-1,3,3,3-Tetrafluroprop-1-ene (29118-24-9)		
EC50 48 hr crustacea	> 160 mg/l	
LC50 96 hr fish	> 117 mg/l	
ErC50 algae	> 170 mg/l	
NOEC chronic fish	> 117 mg/l	
NOEC chronic algae	> 170 mg/l	

12.2 - Persistence and degradability

Biochemical oxygen demand (BOD)	No data available
---------------------------------	-------------------

English 8/14

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

Chemical oxygen demand (COD)	No data available
% of biodegradation in 28 days	No data available

12.3 - Bioaccumulative potential

<u>Mixture</u>

Bioconcentration factor (BCF)	No data available
Log KOC	1.6

Substances

Trans-1,3,3,3-Tetrafluroprop-1-ene (29118-24-9)	
Log KOC	< 4

Version: 1

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12.4 - Mobility in soil

12.5 - Results of PBT and vPvB assessment

- This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.
- This substance does not meet the PBT/vPvB criteria of 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

- No information available.

SECTION 13: Disposal considerations

13.1 - Waste treatment methods

Waste treatment methods	 Dispose of waste according to applicable legislation. Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Delivery to an approved waste disposal company. Handle contaminated packages in the same way as the substance itself.
Sewage disposal	- No information available.
Special precautions for waste treatment	 Waste requires special monitoring. Collect the waste separately. Send to a hazardous waste incinerator facility under observation of official regulations. The waste is to be kept separate from other types of waste until its disposal.
Community or national or regional provisions	- Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.
Waste codes / waste designations according to Regulation 2014/955/UE	15 01 10* - packaging containing residues of or contaminated by hazardous substances

SECTION 14: Transport information

English 9/14

Version : 1 I (EC) No. 2020/878 Issue date : 27/02/2025

Airduster 400ml non-flammable / Airduster 200ml non-flammable invertible

14.1 - UN number or ID number

UN number (ADR):UN1950UN number (RID):UN1950UN number (ADN):Not applicableUN number (IMDG):UN1950UN number (IATA):UN1950

14.2 - UN proper shipping name

UN proper shipping name

AEROSOLS

(ADR)

<u>UN proper shipping name</u> :

AEROSOLS

(RID)

<u>UN proper shipping name</u> : AEROSOLS

(IMDG)

<u>UN proper shipping name</u> : AEROSOLS, NON-FLAMMABLE

(IATA)

14.3 - Transport hazard class(es)

ADR Transport hazard : 2

class(es)

ADR Classification code: : 5A

Pictograms

2

Transport hazard class(es) : 2

(RID)

Pictograms

2

Transport hazard class(es) : 2

(IMDG)

<u>Pictograms</u>



Transport hazard class(es) : 2

(IATA)

<u>Pictograms</u>



14.4 - Packing group

English 10/14

Version: 1

Issue date: 27/02/2025

Packing group :

Packing group (RID) :
Packing group (IMDG) :

Packing group (IATA)

14.5 - Environmental hazards

<u>Environmental hazards</u> : No <u>Marine pollutant</u> : No

14.6 - Special precautions for user

<u>ADR</u>

ADR Classification code: : 5A

ADR Special provisions : 190+327+344+625

ADR Limited quantity (LQ) : 1L
ADR Excepted quantities : E0

ADR Packing instructions

ADR Special packing provisions

ADR Mixed packing provisions :

<u>Instructions for portable tanks and bulk containers</u>:

Special provisions for portable tanks and bulk containers

ADR tank code

ADR tanks special provisions :

Vehicle for tank carriage

ADR Transport category : 3

ADR Tunnel restriction code : E

ADR Special provisions loading, unloading and handling

Special provisions - Packages : V14

Special provisions - Bulk

Special provisions - Operation

ADR Hazard identification number (Kemler No.)

RID

Special provisions : 190+327+344+625

Limited quantity (LQ) : 1L Excepted quantities : E0

English 11/14

Version: 1

Issue date: 27/02/2025

IMDG

<u>Special provisions</u> : 63 190 277 327 344 381 959

<u>Limited quantity (LQ)</u> : See SP277

Excepted quantities : E0

Packing instructions

Special packing provisions

IBC instruction(s) : IBC provisions :

Instructions for portable tanks and bulk containers

Special provisions for portable tanks and bulk containers

EmS codes : F-D, S-U

Stowage and handling : Category None SW1 SW22

Segregation : SG69

Properties and observations

IATA

PCA - Excepted quantities : E0
PCA - Limited Quantity - Packing Instructions : Y203
PCA - Limited Quantity - Maximum Net Quantity per Package : 30kg
PCA - Packing Instructions : 203

PCA - Maximum Net Quantity per Package: 75kgCAO - Packing Instructions: 203

<u>CAO - Maximum Net Quantity per Package</u> : 150kg

Special Provisions : A98 A145 A167 A802

ERG Code :

14.7 - Maritime transport in bulk according to IMO instruments

SECTION 15: Regulatory information

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

Substances REACH None

candidates

Substances Annex XIV None

Substances Annex XVII None

VOC content 1170 g/l

- COMMISSION REGULATION (EU) 2016/918 of 19 May 2016 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures. The Regulation has been published in the Official Journal of the European Union No. L 156, on 14 June, 2016;
- – COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Regulation (EC) No. 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (OJ L 203, 26.6.2020, p. 28–58);
- - COUNCIL DIRECTIVE of 20 May 1975 on the approximation of the laws of the Member States relating to aerosol dispensers (75/324/EEC) (OJ L 147, 9.6.1975, p. 40)

English 12/14

Version: 1

Issue date: 27/02/2025

- – On 16 December 2008 the Regulation (EC) No. 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of chemical substances and mixtures was undersigned. The said Regulation amended and repealed the directives 67/548/EEC and 1999/45/EC and Regulation (EC) No. 1907/2006 (the REACH Regulation). The Regulation has been published in the Official Journal of the European Union No. L 353, volume 51 on 31 December, 2008;
- Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EC) No.793/93, Commission Regulation (EC) No. 1488/94, Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC (Official Journal of the European Union No. L 396, 30-12-2006, error correction No. L 136/3, 2007-5-29);
- Regulation (EU) 2024/573 of the European Parliament and of the Council of 7 February 2024 on fluorinated greenhouse gases, amending Directive (EU) 2019/1937 and repealing Regulation (EU) No 517/2014;
- - The European Agreement concerning International Carriage of Dangerous Goods by Road (ADR).
- Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).
- Swiss Regulations: Article 4 para. 4 of the Ordinance on the protection of young people in the workplace (SR 822.115) and Article 1 lit. f of the EAER regulation on hazardous work and young people (SR 822.115.2).
- Regulation (EU) 2024/573 of the European Parliament and of the Council of 7 February 2024 on fluorinated greenhouse gases, amending Directive (EU) 2019/1937 and repealing Regulation (EU) No 517/2014;
- Contains fluorinated greenhouse gases : HFC-1234ze : x,476 kg ; 0.00065 t Eq. CO2 ; GWP : 1.37
- The Aerosol Dispensers Regulations 2009

15.2 - Chemical Safety Assessment

<u>Chemical safety assessment carried</u> - No information available. <u>out for the product</u>

SECTION 16: Other information

SDS versions

Version	Issue date	Author	Description of the amendments
1	27/02/2025		

Abbreviations and acronyms

- ICAO: International Civil Aviation Organization
- EC50: Effective concentration of the substance that causes adverse effects in 50% of test animals.
- IATA: International Air Transport Association.
- DNEL: Derived no-effect level.
- LOEC: Lowest Observed Effect Concentration.
- LOEL: Lowest Observed Adverse Effect Level.
- EC No: European Community number
- IMDG: International Maritime Dangerous Goods.
- CAS No.: Chemical Abstracts Service number.
- NOEC: No Observed Effect Concentration.
- NOEL: No observable effect level.
- OEL: Occupational exposure limit.
- LC50: Lethal Concentration to 50 % of a test animals.
- PBT: Persistent, Bioaccumulative and Toxic.
- ADR: The Agreement concerning the International Carriage of Dangerous Goods by Road
- PNEC: Predicted no-effect concentration.
- RID: International Carriage of Dangerous Goods by Rail.

English 13/14

Version: 1

Issue date: 27/02/2025

	 STEL: Short-term exposure limit ATE: Acute Toxicity Estimate. TWA: Time weighted average LD50: Lethal Dose to 50% of a test animals. vPvB: very Persistent and very Bioaccumulative.
Data sources:	European Chemicals Agency (ECHA) European Chemicals Bureau (ECB) International Laboratories Organization (ILO)

Texts of the regulatory sentences

Aerosol 3	Aerosol - Category 3
H229	Pressurised container: May burst if heated
Press. Gas	Gases under pressure

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

*** *** ***

English 14/14