



SAFETY DATA SHEET
PRECISION AIR DUSTER

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Compilation date: 24/08/16

Revision date: 29/03/2018

Revision No: 9

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

1.1. Product identifier

Product name: PRECISION AIR DUSTER

Product code: 32315

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

Use of substance / mixture: Air duster

1.3. Details of the supplier of the safety data sheet

Company name: ROCOL

ROCOL House

Swillington

Leeds

West Yorkshire

LS26 8BS

ENGLAND

Tel: +44 (0) 113 232 2700

Fax: +44 (0) 113 232 2740

Email: customer-service@rocol.com

1.4. Emergency telephone number

Emergency tel: +44 (0) 113 232 2600

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: -: H229

Most important adverse effects: Pressurised container: May burst if heated.

2.2. Label elements

Label elements:

Hazard statements: H229: Pressurised container: May burst if heated

Signal words: Warning

Precautionary statements: 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+412: Protect from sunlight. Do not expose to temperatures exceeding 50 °C.

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2.3. Other hazards

PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.1. Substances

Chemical identity: TRANS-1,3,3,3-TETRAFLUOROPROP-1-ENE AEROSOL PROPELLANT (*WEL)

Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Contact with spray may cause frostbite, treat as for thermal burns and thaw frozen area with water (never warm) and seek medical advice.

Eye contact: Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.

Ingestion: Not applicable.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Seek medical attention if you feel unwell.

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

Skin contact: There may be mild irritation at the site of contact. Frost-bite may occur causing the affected area to become white and numb.

Eye contact: There may be irritation and redness. Contact with the liquified gas may cause severe ocular lesions

Ingestion: There may be irritation of the throat.

Inhalation: No symptoms.

Delayed / immediate effects: No data available.

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

Immediate / special treatment: Not applicable.

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used. Dry chemical powder. Alcohol or polymer foam. Water fog. Carbon dioxide. Do Not use a water jet

5.2. Special hazards arising from the substance or mixture

Exposure hazards: In combustion emits toxic fumes. In combustion emits corrosive fumes. Decomposition products include hydrogen fluoride.

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5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes. Pressurised container - cool with water.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Refer to section 8 of SDS for personal protection details. Evacuate the area immediately. Do not breathe vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Avoid contact with eyes and skin

6.2. Environmental precautions

Environmental precautions: Do not allow product to spread into the environment

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Mechanically ventilate the spillage area

6.4. Reference to other sections

Reference to other sections: Refer to section 8 of SDS.

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Ensure there is sufficient ventilation of the area. Do not breathe vapours or spray mist. Avoid contact with skin and eyes. Pressurised container. Protect from sunlight and do not expose to temperatures exceeding 50 degrees Celcius. Do not pierce or burn, even after use. Heating will cause a rise in pressure with a risk of bursting.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in dry conditions and in original containers. Store in a cool, well ventilated area. Keep away from direct sunlight.

Suitable packaging: Must only be kept in original packaging.

7.3. Specific end use(s)

Specific end use(s): No data available.

Section 8: Exposure controls/personal protection

8.1. Control parameters

Hazardous ingredients:

TRANS-1,3,3,3-TETRAFLUOROPROP-1-ENE AEROSOL PROPELLANT

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Workplace exposure limits:

Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
EU	800ppm	-	-	-

DNEL/PNEC Values

PRECISION AIR DUSTER

Type	Exposure	Value	Population	Effect
DNEL	Inhalation (repeated dose)	3901	Workers	Systemic
DNEL	Inhalation (repeated dose)	830	General Population	Systemic
PNEC	Fresh water	0.1mg/l	-	-

Hazardous ingredients:

TRANS-1,3,3,3-TETRAFLUOROPROP-1-ENE AEROSOL PROPELLANT

Type	Exposure	Value	Population	Effect
DNEL	Inhalation (repeated dose)	3902	Workers	Systemic
DNEL	Inhalation (repeated dose)	830	General Population	Systemic
PNEC	Fresh water	0.1	-	-

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area. No specific requirement beyond normal engineering hygiene good practice.

Respiratory protection: Respiratory protection not normally required for normal use in well ventilated areas. In case of insufficient ventilation use: Self-contained breathing apparatus.

Hand protection: Protective gloves. Viton gloves. Nitrile gloves.

Eye protection: Safety glasses with side-shields.

Skin protection: Protective clothing.

Environmental: No special requirement.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Aerosol

Colour: Colourless

Odour: Barely perceptible odour

Evaporation rate: Fast

Oxidising: Non-oxidising (by EC criteria)

Solubility in water: Slightly soluble

Also soluble in: Most organic solvents.

Boiling point/range°C: -19

Melting point/range°C: No data available.

Flammability limits %: lower: No data available.

upper: No data available.

Flash point°C: Not applicable.

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Autoflammability°C: 368

Relative density: No data available.

VOC g/l: No data available.

Part.coeff. n-octanol/water: No data available.

Vapour pressure: 4.27 bar @20degC

pH: Not applicable.

9.2. Other information

Other information: Not applicable.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.

Decomposition may occur on exposure to conditions or materials listed below.

10.4. Conditions to avoid

Conditions to avoid: Heat. Direct sunlight.

10.5. Incompatible materials

Materials to avoid: Strong oxidising agents. Strong acids. Alkali metals.

10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes. In combustion emits toxic fumes of carbon dioxide / carbon monoxide. In combustion emits toxic fumes of hydrogen fluoride.

Section 11: Toxicological information

11.1. Information on toxicological effects

Hazardous ingredients:

TRANS-1,3,3,3-TETRAFLUOROPROP-1-ENE AEROSOL PROPELLANT

VAPOURS	RAT	4H LC50	>965	mg/l
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Toxicity values: No data available.

Symptoms / routes of exposure

Skin contact: There may be mild irritation at the site of contact. Frost-bite may occur causing the affected area to become white and numb.

Eye contact: There may be irritation and redness. Contact with the liquified gas may cause severe ocular lesions

Ingestion: There may be irritation of the throat.

Inhalation: No symptoms.

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Delayed / immediate effects: No data available.

Other information: Not applicable.

Section 12: Ecological information

12.1. Toxicity

Ecotoxicity values:

Species	Test	Value	Units
Daphnia magna	48H EC50	>160	mg/l

12.2. Persistence and degradability

Persistence and degradability: Not readily biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential: Trans-1,3,3,3-Tetrafluoroprop-1-ene (29118-24-9) Log Pow = 1.6

12.4. Mobility in soil

Mobility: Not applicable.

12.5. Results of PBT and vPvB assessment

Persistence (P-):

days

Half-life in marine water: >60

Persistence result: not P-

Bioaccumulation (B-):

Bioaccumulation result: not B-

Toxicity (T-):

mg/l

NOEC for marine or freshwater organisms: >0.1

Toxicity result: not T-

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Other adverse effects: Ozone depletion factor ODP (R-11=1) = 0. Total global warming potential (GWP) = 7.

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company. Refer to local regulations for the disposal of aerosols.

Recovery operations: Solvent reclamation/regeneration.

Waste code number: 14 06 01

Disposal of packaging: Dispose of in a regulated landfill site or other method for hazardous or toxic wastes. Disposal must be in compliance with local and national regulations.

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NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

14.1. UN number

UN number: UN1950

14.2. UN proper shipping name

Shipping name: AEROSOLS (IATA ONLY), NON-FLAMMABLE
(TRANS-1,3,3,3-TETRAFLUOROPROP-1-ENE AEROSOL PROPELLANT)

14.3. Transport hazard class(es)

Transport class: 2.2

14.4. Packing group

Packing group: N/A

14.5. Environmental hazards

Environmentally hazardous: No

Marine pollutant: No

14.6. Special precautions for user

Special precautions: No special precautions.

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

Transport in bulk: Not Applicable

Section 15: Regulatory information

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

Specific regulations: Not applicable.

15.2. Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

Section 16: Other information

Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.

EC Directive 94/1/EC adapting some technicalities of Council Directive 75/324/EEC on the approximation of the laws of Member States relating to aerosol dispensers.

Compiled in accordance with REACH.

Phrases used in s.2 and s.3: H229: Pressurised container: May burst if heated

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

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