

**SAFETY DATA SHEET****Air Duster (Flammable)****SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Product name Air Duster (Flammable)

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

Identified uses Duster Spray

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

Supplier Kenro Ltd  
Greenbridge Road  
Swindon  
Wiltshire  
SN3 3LH

Tel +44 1793 615836

Fax +44 1793 530108

[sales@kenro.co.uk](mailto:sales@kenro.co.uk)

**1.4. Emergency telephone number**

Emergency telephone +44 1793 615836

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Classification****Physical hazards**

Aerosol 1 - H222, H229

**Health hazards**

Not Classified

**Environmental hazards**

Not Classified

**Classification (67/548/EEC or 1999/45/EC)**

F+;R12.

**Human health**

Gas or vapour is harmful on prolonged exposure or in high concentrations. In high concentrations, vapours and aerosol mists have a narcotic effect and may cause headache, fatigue, dizziness and nausea. Deliberately concentrating and inhaling the contents of this container is dangerous and can be fatal.

**Environmental**

This product does not contain substances which are harmful to aquatic organisms or which may cause long term effects to the aquatic environment

**Physicochemical**

Not considered to be a significant hazard due to the small quantities used.

**2.2. Label elements****Pictogram****Signal word**

Danger

**Hazard statements**

**Air Duster (Flammable)**

H222 Extremely flammable aerosol.

H229 Pressurised container: may burst if heated

**Precautionary statements**

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.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

P102 Keep out of reach of children.

P501 Dispose of contents/container in accordance with local regulations.

P260 Do not breathe vapour/spray.

P271 Use only outdoors or in a well-ventilated area.

**Supplemental label information**

Contains 0.23kg of a fluorinated greenhouse gas covered by the Kyoto protocol: HFC-134a (Tetrafluoroethane : EC No. 212-377-0).

Global Warming Potential (GWP) in CO2 equivalent: 1001.

**2.3. Other hazards****SECTION 3: Composition/information on ingredients****3.2. Mixtures**

<b>TETRAFLUOROETHANE</b> CAS number: 811-97-2 EC number: 212-377-0 REACH registration number: 01-2119459374-33-XXXX	<b>60-100%</b>
<b>Classification</b> Not Classified	<b>Classification (67/548/EEC or 1999/45/EC)</b> -
<b>BUTANE</b> CAS number: 106-97-8 EC number: 203-448-7 REACH registration number: Exempt under REACH	<b>10-30%</b>
<b>Classification</b> Flam. Gas 1 - H220 Press. Gas	<b>Classification (67/548/EEC or 1999/45/EC)</b> F+;R12
<b>ISOBUTANE</b> CAS number: 75-28-5 EC number: 200-857-2 REACH registration number: Exempt under REACH	<b>5-10%</b>
<b>Classification</b> Flam. Gas 1 - H220 Press. Gas	<b>Classification (67/548/EEC or 1999/45/EC)</b> F+;R12
<b>PROPANE</b> CAS number: 74-98-6 EC number: 200-827-9 REACH registration number: Exempt under REACH	<b>5-10%</b>
<b>Classification</b> Flam. Gas 1 - H220 Press. Gas	<b>Classification (67/548/EEC or 1999/45/EC)</b> F+;R12

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

**SECTION 4: First aid measures****4.1. Description of first aid measures****General information**

## Air Duster (Flammable)

Move affected person to fresh air at once.

### Inhalation

Move affected person to fresh air at once. If breathing stops, provide artificial respiration. Keep affected person warm and at rest. Get medical attention immediately.

### Ingestion

Not relevant.

### Skin contact

Rinse with water. Get medical attention if any discomfort continues.

### Eye contact

Rinse with water. Get medical attention if any discomfort continues.

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

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

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## SECTION 5: Firefighting measures

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### 5.1. Extinguishing media

#### Suitable extinguishing media

Extinguish with foam, carbon dioxide, dry powder or water fog.

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

#### Specific hazards

Containers can burst violently or explode when heated, due to excessive pressure build-up. Decomposes on contact with flames and hot surfaces to produce hydrofluoric acid and fluorophosgene.

### 5.3. Advice for firefighters

#### Protective actions during firefighting

Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Use water to keep fire exposed containers cool and disperse vapours. Warn firefighters that aerosols are involved.

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## SECTION 6: Accidental release measures

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

#### Personal precautions

Provide adequate ventilation. Use suitable respiratory protection if ventilation is inadequate. Avoid inhalation of vapours.

### 6.2. Environmental precautions

#### Environmental precautions

Avoid the spillage or runoff entering drains, sewers or watercourses. Contain spillage with sand, earth or other suitable non-combustible material.

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

#### Methods for cleaning up

Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Absorb spillage with non-combustible, absorbent material. Leave small quantities to evaporate, if safe to do so. Do not allow material to enter confined spaces, due to the risk of explosion.

### 6.4. Reference to other sections

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## SECTION 7: Handling and storage

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### 7.1. Precautions for safe handling

#### Usage precautions

Read and follow manufacturer's recommendations. Keep away from heat, sparks and open flame. Eliminate all sources of ignition. Do not spray on a naked flame or any incandescent material.

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

#### Storage precautions

## Air Duster (Flammable)

Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50 degrees Centigrade. Do not pierce or burn, even after use.

### 7.3. Specific end use(s)

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## **SECTION 8: Exposure Controls/personal protection**

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### **8.1. Control parameters**

#### Occupational exposure limits

##### **TETRAFLUOROETHANE**

Long-term exposure limit (8-hour TWA): WEL 1000 ppm

##### **BUTANE**

Long-term exposure limit (8-hour TWA): WEL 600 ppm

Short-term exposure limit (15-minute): WEL 750 ppm

##### **ISOBUTANE**

Long-term exposure limit (8-hour TWA): WEL 800 ppm

Short-term exposure limit (15-minute): WEL No std.

##### **PROPANE**

Long-term exposure limit (8-hour TWA): SUP ppm

Short-term exposure limit (15-minute): SUP ppm

WEL = Workplace Exposure Limit

#### **Ingredient comments**

WEL = Workplace Exposure Limits

### **8.2. Exposure controls**

#### **Appropriate engineering controls**

Provide adequate ventilation. Avoid inhalation of vapours and spray/mists. Observe any occupational exposure limits for the product or ingredients.

#### **Personal protection**

When using the aerosol do not smoke.

#### **Eye/face protection**

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles.

#### **Hand protection**

Due to the packaging form, aerosol, risk of skin contact is small. Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material.

#### **Hygiene measures**

Wash hands after handling. Wash promptly if skin becomes contaminated. Wash hands at the end of each work shift and before eating, smoking and using the toilet. Use appropriate skin cream to prevent drying of skin.

#### **Respiratory protection**

If ventilation is inadequate, suitable respiratory protection must be worn.

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## **SECTION 9: Physical and Chemical Properties**

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

#### **Appearance**

Aerosol.

#### **Odour**

No characteristic odour.

#### **Flash point**

## Air Duster (Flammable)

<-40°C

### Upper/lower flammability or explosive limits

: 3.4

### Auto-ignition temperature

350°C

### Comments

Information given is applicable to the major ingredient.

## 9.2. Other information

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### SECTION 10: Stability and reactivity

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#### 10.1. Reactivity

#### 10.2. Chemical stability

##### Stability

Stable at normal ambient temperatures and when used as recommended.

#### 10.3. Possibility of hazardous reactions

#### 10.4. Conditions to avoid

Avoid heat, flames and other sources of ignition.

#### 10.5. Incompatible materials

##### Materials to avoid

Alkali metals.

#### 10.6. Hazardous decomposition products

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Oxides of carbon. Oxides of nitrogen.

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### SECTION 11: Toxicological information

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#### 11.1. Information on toxicological effects

##### General information

Deliberately concentrating and inhaling the contents of this container is dangerous and can be fatal.

##### Inhalation

In high concentrations, vapours and aerosol mists have a narcotic effect and may cause headache, fatigue, dizziness and nausea. Unconsciousness, possibly death.

##### Ingestion

No specific health hazards known.

##### Skin contact

Skin irritation should not occur when used as recommended. Repeated exposure may cause skin dryness or cracking.

##### Eye contact

Vapour or spray in the eyes may cause irritation and smarting.

##### Acute and chronic health hazards

Arrhythmia (deviation from normal heart beat). In high concentrations, vapours and aerosol mists have a narcotic effect and may cause headache, fatigue, dizziness and nausea.

##### Route of entry

Inhalation

##### Target organs

Central nervous system Respiratory system, lungs

##### Medical symptoms

Arrhythmia (deviation from normal heart beat). Narcotic effect. Vapours may cause drowsiness and dizziness.

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### SECTION 12: Ecological Information

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## Air Duster (Flammable)

### Ecotoxicity

No negative effects on the aquatic environment are known. The product is not expected to be toxic to aquatic organisms.

### 12.1. Toxicity

### 12.2. Persistence and degradability

### 12.3. Bioaccumulative potential

### 12.4. Mobility in soil

### 12.5. Results of PBT and vPvB assessment

### 12.6. Other adverse effects

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### General information

Do not puncture or incinerate, even when empty.

#### Disposal methods

Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

## SECTION 14: Transport information

### General

This product is packed in accordance with the Limited Quantity Provisions of CDGCPL2, ADR and IMDG. These provisions allow transport of aerosols of less than 1 litre packed in cartons of less than 30kg gross weight to be exempt from control providing that they are labelled in accordance with the requirements of these regulations to show that they are being transported as Limited Quantities. Aerosols not so packed and labelled must show the following.

### 14.1. UN number

UN No. (ADR/RID)	1950
UN No. (IMDG)	1950
UN No. (ICAO)	1950

### 14.2. UN proper shipping name

Proper shipping name (ADR/RID)	AEROSOLS
Proper shipping name (IMDG)	AEROSOLS
Proper shipping name (ICAO)	AEROSOLS
Proper shipping name (ADN)	AEROSOLS

### 14.3. Transport hazard class(es)

ADR/RID class	2.1
ADR/RID subsidiary risk	
ADR/RID label	2.1
IMDG class	2.1
IMDG subsidiary risk	
ICAO class/division	2.1
ICAO subsidiary risk	

#### Transport labels



**Air Duster (Flammable)****14.4. Packing group**

Not applicable.

**ADR/RID packing group**

IMDG packing group

ICAO packing group

**14.5. Environmental hazards**

Environmentally hazardous substance/marine pollutant

No.

**14.6. Special precautions for user**

EmS F-D, S-U

Emergency Action Code

Hazard Identification Number  
(ADR/RID)

Tunnel restriction code (D)

**14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code****SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulations**

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).

**EU legislation**

Commission Regulation (EU) No 453/2010 of 20 May 2010.

**Guidance**

Workplace Exposure Limits EH40. CHIP for everyone HSG228. Safety Data Sheets for Substances and Preparations. Approved Classification and Labelling Guide (Sixth edition) L131. British Aerosol Manufacturers Code of Practice 7th. Edition 1999

**15.2. Chemical safety assessment****SECTION 16: Other information**

<b>Revision date</b>	23/10/2014
<b>Revision</b>	1
<b>SDS number</b>	11325
<b>SDS status</b>	Approved.
<b>Risk phrases in full</b>	R12 Extremely flammable.
<b>Hazard statements in full</b>	H222 Extremely flammable aerosol. H229 Pressurised container: may burst if heated

**Disclaimer**

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.