



## SAFETY DATA SHEET

### HFC FREE INVERTABLE FLAMMABLE AIR DUSTER 200ml

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

##### 1.1. Product identifier

**Product name** HFC FREE INVERTABLE FLAMMABLE AIR DUSTER 200ml  
**Product number** 1511423  
**Internal identification** AHFC200OD

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

**Identified uses** Cleaning Product  
**Uses advised against** At this moment in time we do not have information on use restrictions. They will be included in this safety data sheet when available

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

**Supplier** OFFICE DEPOT Europe B.V.  
Columbusweg 33  
5928 LA Venlo  
The Netherlands  
  
+31 (0) 77 323 8888  
+31 (0) 77 323 8912  
Quality.EU@OfficeDepot.com

##### 1.4. Emergency telephone number

**Emergency telephone** +31 (0) 77 323 8888

#### 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** Contact with liquefied gas might cause frostbites, in some cases with tissue damage.

**Environmental** The product is not expected to be hazardous to the environment.

**Physicochemical** Aerosol containers can explode when heated, due to excessive pressure build-up. Vapours are heavier than air and may travel along the floor and accumulate in the bottom of containers.

##### 2.2. Label elements

**HFC FREE INVERTABLE FLAMMABLE AIR DUSTER 200ml****Pictogram****Signal word**

Danger

**Hazard statements**

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.

**2.3. Other hazards**

This substance is not classified as PBT or vPvB according to current EU criteria.

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

<b>BUTANE</b>			<b>30-60%</b>
CAS number: 106-97-8	EC number: 203-448-7	REACH registration number: 01-2119474691-32-XXXX	
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>		
Flam. Gas 1 - H220	F+;R12		
Press. Gas			

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

**Composition comments**

Ingredients not listed are classified as non-hazardous or at a concentration below reportable levels.

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

Move affected person to fresh air at once. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.

**Ingestion**

Not relevant.

**Skin contact**

Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.

**Eye contact**

Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

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

Vapours in high concentrations are anaesthetic. Symptoms following overexposure may include the following: Headache. Fatigue. Dizziness. Central nervous system depression.

**4.3. Indication of any immediate medical attention and special treatment needed****Notes for the doctor**

Treat symptomatically.

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### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

**Suitable extinguishing media** Extinguish with the following media: Powder. Dry chemicals, sand, dolomite etc.

**Unsuitable extinguishing media** Do not use water, if avoidable.

#### 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. Vapours may be ignited by a spark, a hot surface or an ember. Containers can burst violently or explode when heated, due to excessive pressure build-up. Extremely flammable.

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

#### 5.3. Advice for firefighters

**Protective actions during firefighting** Containers close to fire should be removed or cooled with water. Use water to keep fire exposed containers cool and disperse vapours.

**Special protective equipment for firefighters** Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

### SECTION 6: Accidental release measures

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

**Personal precautions** Wear protective clothing as described in Section 8 of this safety data sheet.

#### 6.2. Environmental precautions

**Environmental precautions** Do not discharge into drains or watercourses or onto the ground.

#### 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.

#### 6.4. Reference to other sections

**Reference to other sections** Wear protective clothing as described in Section 8 of this safety data sheet. See Section 11 for additional information on health hazards. For waste disposal, see Section 13.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

**Usage precautions** Keep away from heat, sparks and open flame. Avoid spilling. Avoid contact with skin and eyes. Provide adequate ventilation. Avoid inhalation of vapours. Use approved respirator if air contamination is above an acceptable level. Keep away from heat, sparks and open flame. Thermal decomposition or combustion products may include the following substances: Toxic and corrosive gases or vapours.

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

**Storage precautions** Aerosol cans: Must not be exposed to direct sunlight or temperatures above 50°C.

#### 7.3. Specific end use(s)

**Specific end use(s)** The identified uses for this product are detailed in Section 1.2.

### SECTION 8: Exposure Controls/personal protection

#### 8.1. Control parameters

## HFC FREE INVERTABLE FLAMMABLE AIR DUSTER 200ml

### Occupational exposure limits

#### BUTANE

Long-term exposure limit (8-hour TWA): WEL 600 ppm 1450 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 750 ppm 1810 mg/m<sup>3</sup>

WEL = Workplace Exposure Limit

### 8.2. Exposure controls

<b>Appropriate engineering controls</b>	Provide adequate general and local exhaust ventilation. Observe any occupational exposure limits for the product or ingredients. All handling should only take place in well-ventilated areas.
<b>Eye/face protection</b>	Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Unless the assessment indicates a higher degree of protection is required, the following protection should be worn: Tight-fitting safety glasses. EN166
<b>Hand protection</b>	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. Gloves should conform to EN374
<b>Other skin and body protection</b>	Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact. Wear appropriate clothing to prevent skin contamination.
<b>Hygiene measures</b>	Use engineering controls to reduce air contamination to permissible exposure level. Provide eyewash station.
<b>Respiratory protection</b>	No specific recommendations. Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit. EN14387

## SECTION 9: Physical and Chemical Properties

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

<b>Appearance</b>	Aerosol. Liquid.
<b>Colour</b>	Colourless.
<b>Odour</b>	Characteristic.
<b>Flash point</b>	-40°C CC (Closed cup).
<b>Upper/lower flammability or explosive limits</b>	: 1.8
<b>Solubility(ies)</b>	Insoluble in water.
<b>Auto-ignition temperature</b>	410/580°C

### 9.2. Other information

<b>Other information</b>	None.
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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

<b>Reactivity</b>	There are no known reactivity hazards associated with this product.
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### 10.2. Chemical stability

<b>Stability</b>	Stable at normal ambient temperatures.
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### 10.3. Possibility of hazardous reactions

## HFC FREE INVERTABLE FLAMMABLE AIR DUSTER 200ml

**Possibility of hazardous reactions** Not applicable. Will not polymerise.

### 10.4. Conditions to avoid

**Conditions to avoid** Avoid heat, flames and other sources of ignition.

### 10.5. Incompatible materials

**Materials to avoid** Strong acids. Strong alkalis. Strong oxidising agents.

### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Fire creates: Vapours/gases/fumes of: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>).

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

**General information** No specific health hazards known.

## SECTION 12: Ecological Information

**Ecotoxicity** Not regarded as dangerous for the environment.

### 12.1. Toxicity

**Acute toxicity - fish** No information required.

**Acute toxicity - aquatic invertebrates** No information required.

**Acute toxicity - aquatic plants** No information required.

**Acute toxicity - microorganisms** No information required.

### 12.2. Persistence and degradability

**Persistence and degradability** There are no data on the degradability of this product.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential** No data available on bioaccumulation.

### 12.4. Mobility in soil

**Mobility** The product contains volatile substances which may spread in the atmosphere.

### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** This product does not contain any substances classified as PBT or vPvB.

### 12.6. Other adverse effects

**Other adverse effects** The product contains a substance or substances that will contribute to global warming (greenhouse effect).

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**General information**

## HFC FREE INVERTABLE FLAMMABLE AIR DUSTER 200ml

**Disposal methods**                      Empty containers must not be punctured or incinerated because of the risk of an explosion. 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 1litre packed in cartons of less than 30kg gross 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 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
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



#### 14.4. Packing group

ADR/RID packing group	N/A
IMDG packing group	N/A
ICAO packing group	N/A

#### 14.5. Environmental hazards

**Environmentally hazardous substance/marine pollutant**  
No.

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### 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

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

**National regulations** The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).  
The Control of Substances Hazardous to Health Regulations 2002 (SI 2002 No. 2677) (as amended).  
Control of Pollution Act 1974.  
Control of Pollution (Special Waste) Regulations 1980 (as amended).  
Rivers (Prevention of Pollution) Act 1961.

**EU legislation** Dangerous Substances Directive 67/548/EEC.  
Dangerous Preparations Directive 1999/45/EC.  
System of specific information relating to Dangerous Preparations. 2001/58/EC.  
Commission Directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work (as amended).  
Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).  
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 (as amended).

**Guidance** Workplace Exposure Limits EH40.  
Approved Classification and Labelling Guide (Sixth edition) L131.  
Safety Data Sheets for Substances and Preparations.

**Authorisations (Title VII Regulation 1907/2006)** No specific authorisations are known for this product.

**Restrictions (Title VIII Regulation 1907/2006)** No specific restrictions on use are known for this product.

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

## SECTION 16: Other information

**Revision comments** Revised in accordance with CHIP3 and EU Directives 1999/45/EC and 2001/58/EC

**Issued by** David Bray

**HFC FREE INVERTABLE FLAMMABLE AIR DUSTER 200ml**

<b>Revision date</b>	25/03/2015
<b>Revision</b>	2
<b>SDS number</b>	13380
<b>Risk phrases in full</b>	R12 Extremely flammable.
<b>Hazard statements in full</b>	H220 Extremely flammable gas. H222 Extremely flammable aerosol. H229 Pressurised container: may burst if heated

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.