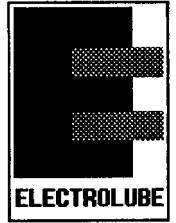


130-631

Technical Data Sheet



PRODUCT DESCRIPTION: Air Duster	DATE: 11/97
PRODUCT CODE: EAD	PAGES: 1

PRODUCT DESCRIPTION

Electrolube's Airduster aerosols of pure, compressed, inert gas are designed for the safe removal of dust and airborne contamination from very delicate or unaccessible areas of electrical and electronic equipment. Electrolube's Airdusters are non-flammable, non-CFC and non-HCFC products. The range includes an Invertible Airduster which is particularly useful for very intricate equipment or items which can not be moved for cleaning or maintenance.

PRODUCT USE

Can be used to remove dust and airborne contamination from all electrical and electronic equipment, e.g. computers, typewriters, control equipment etc. It can also be used on such items as cameras and Hi-Fi equipment. Airduster can also be used to evacuate air from the top of cans of paint etc. to stop skin forming.

FEATURES

- * Pure compressed inert gas.
- * High pressure removes contamination easily and quickly.
- * Packed in high pressure, one part Aluminium cans for maximum safety.

APPLICATION

This product should be used in a vertical position or at an angle of not greater than 60° to the vertical otherwise a freezing effect will result. If it is necessary to tilt the aerosol more than this, use the Invertible version as listed below.

Caution Do not use an Airduster for prolonged blasts as the surface of the can will form frost.

TYPICAL PROPERTIES

Form:
Density (liquid):
Flashpoint:
Boiling Point:
Ozone Depleting Potential:

EAD(I)200D / 400D

Colourless Gas
1.13
None
-26.2°C
0.00

PACKAGING

200ml Aerosol
400ml Aerosol
200ml Invertible Aerosol

ORDER CODE

EAD200D and S
EAD400D and S
EADI200D and S

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All information is given in good faith but without warranty Properties are given as a guide only and should not be taken as a specification Electrolube cannot be held responsible for the performance of its products within any application determined by the customer, who must satisfy themselves as to the suitability of the product.

SAFETY DATA SHEET

PAGE: 1 of 4

PRINT DATE: 03/02/1997

REF: EAD200/400D
+ S

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Product name: AIRDUSTER
Product code: EAD200/400D + S
Supplier: ELECTROLUBE
H.K. Wentworth Ltd.,
Wentworth House, Blakes Road,
Wargrave, Berkshire, RG10 8AW, United Kingdom.
Emergency telephone number: 0118 9404031 **Fax No:** 0118 9403084

2. COMPOSITION/INFORMATION ON INGREDIENTS

Identification of the preparation	Non hazardous aerosol			
Chemical Name	CAS-No	EEC-No	Class	Weight %
1,1,1,2-Tetrafluoroethane (134a)	811-97-2	213-377-0	-	>50
1,1-Difluoroethane (152a)	75-37-6	200-866-1	-	<50

3. HAZARDS IDENTIFICATION

Most important hazards: Non hazardous.
Specific hazards: Aerosol dispensers, compressed liquefied gas. High concentration of vapours may induce unconsciousness / narcosis. May cause skin irritation and/or dermatitis.

4. FIRST AID MEASURES

General advice: Remove from exposure, lie down.
Inhalation: Move to fresh air
Skin contact: Wash off immediately with soap and plenty of water. Treat frostbitten areas as needed
Eye contact: Flush eye(s) immediately with plenty of water. If eye irritation persists, consult a specialist.
Ingestion: Clean mouth with water and drink afterwards plenty of water. Consult a physician if necessary.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: Extinguish with carbon dioxide, dry chemical, foam or waterspray.
Extinguishing media which must not be used for safety reasons:

Not applicable.

Specific hazards: Not applicable.

Special protective equipment for firefighters:

Wear self contained breathing apparatus for fire fighting if necessary

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Wear suitable gloves and eye/face protection
Environmental precautions: No special environmental precautions required.
Methods for cleaning up: Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal.

Product name: **AIRDUSTER**

PRINT DATE: 03/02/1997

REF: EAD200/400D

+ S

7. HANDLING AND STORAGE

Handling: Use only in well-ventilated areas. Avoid contact with the skin and the eyes. Do not breath vapours or spray mist. When using, do not eat, drink or smoke.

Storage: Keep containers tightly closed in a cool, well-ventilated place < 45°C

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name: **National occupational exposure limits:**

1,1,1,2-Tetrafluoroethane (134a) Long term (8 hrs) = 1000 ppm
 1,1-Difluoroethane (152a) Long term (8 hrs) = 1000 ppm

Engineering measures

Ensure adequate ventilation, especially in confined areas.

Personal protection equipment:

- **Respiratory protection:** No special precautions required.
- **Hand protection:** Latex gloves.
- **Eye protection:** No special precautions required.
- **Skin and body protection:** No special precautions required

Hygiene measures:

In accordance with local and national regulations.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form: liquefied gas

Colour: colourless

Odour: ether-like

pH: (20 °C) neutral

Boiling point/range: -26.5 °C

Melting point/range: < - 26.5 °C

Flash point: no data °C
available

Autoignition temperature: no data °C
available

Flammability (solid, gas): compressed liquefied gas

Explosive properties: Not applicable

Oxidizing properties: Not applicable

Vapour pressure: (20 °C) 4490 hPa

Relative density: (25 °C) >= 1.13 (liquid)

Bulk density: - kg/m3

Solubility:

Water solubility no data g/l)
available

- fat solubility no data
available

Viscosity: no data mPa.s
available

10. STABILITY AND REACTIVITY

Stability: Stable.

Conditions to avoid: Keep away from heat and sources of ignition, alkali metals, alkaline earth metals, aluminium powder

Product name: AIRDUSTER

PRINT DATE: 03/02/1997

REF: EAD200/400D

Materials to avoid: Aluminium powder, alkali metals, alkaline earth metals, powdered metals & powdered metal salts.

Hazardous decomposition products:

11. TOXICOLOGICAL INFORMATION

Acute toxicity: No data is available on the product itself.
Local effects: High concentration of vapours may cause irritation to eyes and respiratory system and produce narcotic effects. Solvents may degrease the skin.
Sensitization: Not applicable.
Long term toxicity: Not applicable
Chronic toxicity: Not applicable

12. ECOLOGICAL INFORMATION

Mobility: Soluble in water.
Persistence and degradability: Readily biodegradable, according to appropriate OECD test
Bioaccumulation: Not applicable
Ecotoxicity effects: Not applicable

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products: In accordance with local and national regulations.
Contaminated packaging: Do not pierce or burn even when empty

14. TRANSPORT INFORMATION

UN-No:	1950	Marine pollutant:	No
ADR/RID			
Class:	2	Item:	5°A
		HI/UN No:	1950

Proper shipping name: Aerosol dispensers

IMO

Class:	2	IMDG Page:	2102
EmS:	2-13	MFAG:	620

Proper shipping name: Aerosol dispensers

ICAO

Class:	2.2	UN/ID No:	1950
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Proper shipping name: Aerosols, non flammable, n.o.s.,

15. REGULATORY INFORMATION

Classification according to European directive on classification of hazardous preparations 90/492/EEC

- Contains:
- Symbol(s):

R-phrase(s):

S-phrase(s): S2 - Keep out of reach of children. S3 - Keep in a cool place..

16. OTHER INFORMATION

Recommended use:

Recommended restrictions:

Product name: **AIRDUSTER**

PAGE: 4 of 4
PRINT DATE: 03/02/1997
REF: EAD200/400D

Revision number: 6
Further information: CN No: 29033010
Contact Name: Carolyn Booth
Department: Technical

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