

**Productname :** AIRCO CLEANER  
**Ref.Nr.:** AB17020-3-231110  
**Creationdate :** 23.11.10  
**Replaces:** 29.04.10

## 1. IDENTIFICATION OF PRODUCT AND COMPANY

**Productname :** AIRCO CLEANER  
Aerosol

**Application :** Cleaners - Precision

**Company :** CRC Industries Europe bvba  
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## 2. HAZARD IDENTIFICATION

**Health and Safety :** Extremely Flammable (R12)  
(propane/butane propellant)

**Environment :** According to EU-directive 99/45/EC not classified

**Other hazards :** Aerosols may explode if heated above 50°C  
Without adequate ventilation formation of explosive mixtures may be possible.

## 3. COMPOSITION AND INFORMATION ON COMPONENTS

Hazardous ingredient	CAS-nbr.	EINECS	w/w %	symbol	R-phrases*	Notes
butane (<= 0,1 % butadiene)	106-97-8	203-448-7	2.5-5	F+	12	
1-methoxy-2-propanol; monopropylene glycol methyl ether	107-98-2	203-539-1	1-2.5		10-67	A
ammonia .... %	1336-21-6	215-647-6	0.1-1	C,N	34-50	
propan-2-ol; isopropyl alcohol ;isopropanol	67-63-0	200-661-7	<15	F,Xi	11-36-67	B
propane	74-98-6	200-827-9	5-10	F+	12	B



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Hazardous ingredient	CAS-nbr.	EINECS	w/w %	symbol	R-phrases*	Notes
isobutane (<= 0,1 % butadiene)	75-28-5	200-857-2	2.5-5	F+	12	
<b>Explanation notes</b>						
A : substance with Community workplace exposure limit						
B : substance with national established workplace exposure limit						

(\* Explanation risk-phrases : see chapter 16)

#### 4. FIRST AID MEASURES

**General Advice :** If symptoms persist always call a doctor

**Contact with eyes :** If substance has got into eyes, immediately wash out with water for at least 15 minutes  
Seek medical advice

**Contact with skin :** Remove contaminated clothing immediately and drench affected skin with plenty of water  
Seek medical attention if irritation persists

**Inhalation :** Remove patient to fresh air  
Keep warm and at rest, in a half upright position.  
Loosen clothing  
If breathing is difficult give oxygen  
Seek medical advice

**Ingestion :** Do not induce vomiting  
Seek medical advice

#### 5. FIRE-FIGHTING MEASURES

**Flash point (without propellant):** < 21 °C

**Explosion limits : upper limit :** 12 %

**lower limit :** 2 %

**Extinguishing media :** foam, carbon dioxide or dry agent

**Fire-fighting procedures :** Keep container(s) exposed to fire cool, by spraying with water

**Unusual exposure hazard :** Aerosols may explode if heated above 50°C

#### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions :** Shut off all ignition sources  
Ensure adequate ventilation

**Environmental precautions :** Do not allow to enter public sewers and watercourses

**Cleaning methods :** Absorb spillage in suitable inert material



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## 7. HANDLING AND STORAGE

**Handling procedures :** The usual precautions for handling chemicals should be observed  
Keep away from heat and sources of ignition  
Do not spray on a naked flame or incandescent material.  
Do not pierce or burn aerosols, even after use.  
Do not breathe aerosols or vapours.  
Avoid contact with skin and eyes.

**Storage procedures :** Pressurized container : protect from sunlight and do not expose to temperatures exceeding 50°C.  
Keep in a cool, dry, well ventilated place  
Keep out of reach of children.

## 8. EXPOSURE CONTROL AND PERSONAL PROTECTION

**Control procedures :** Ensure adequate ventilation  
Keep away from heat and sources of ignition

**Personal protection :** Ensure adequate ventilation  
It is advisable to take precautions to avoid contact with skin and eyes when handling the product.

**inhalation :** In case of insufficient ventilation, wear suitable respiratory equipment.

**hands and skin :** Wear suitable protective gloves

**eyes :** Wear safety goggles.

**Exposure limits :**

Hazardous ingredient	CAS-nbr.	method	
<b>EU established exposure limits:</b>			
1-methoxy-2-propanol; monopropylene glycol methyl ether	107-98-2	TWA	100 ppm
		STEL	150 ppm

## 9. PHYSICAL AND CHEMICAL PROPERTIES (for aerosols without propellant)

**Apperance : physical state :** Liquid under pressure.

**colour :** Colorless.

**odour :** Characteristic odor.

**Boiling point/range :** Not available.

**Relative density :** 0.869 g/cm3.

**pH :** 9 - 10.0

**Vapour pressure :** 350 kPa (@ 20°C).

**Relative vapour density :** Not available.



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**Solubility in water :** Soluble in water  
**Flash point :** < 21 °C  
**Auto-ignition :** > 200 °C  
**Viscosity :** Not available.  
**Evaporation rate :** Not applicable.

## 10. STABILITY AND REACTIVITY

**Conditions to be avoided :** Pressurized container : protect from sunlight and do not expose to temperatures exceeding 50°C.  
Keep away from heat and sources of ignition  
**Materials to be avoided :** Strong oxidising agent  
Reacts with acids and alkalines.  
**Hazardous decomposition compounds :** nitrogen and carbon oxides

## 11. TOXICOLOGICAL INFORMATION

**Skin contact :** Prolonged skin contact will result in defatting of the skin, leading to irritation, and in some cases, dermatitis  
**Eye contact :** May cause irritation.

## 12. ECOLOGICAL INFORMATION

**Degradability :** The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC)No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

## 13. WASTE DISPOSAL

**Product :** Do not empty into drains.  
This material and its container must be disposed of in a safe way.  
Disposal should be in accordance with local, state or national legislation

## 14. TRANSPORT

**UN-number :** 1950  
**Road/Rail - ADR/RID :** UN1950 Aerosols Class : 2, PG : NA, Class code : 5F,  
Label : 2.1, Tunnel-code : (D)



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**Sea - IMDG :**

**EmS**

UN1950 Aerosols Class : 2, PG : NA, Label : 2.1  
F-D, S-U

**Air - IATA/ICAO :**

UN1950 Aerosols, flammable Class : 2, PG : NA,  
Label : 2.1

## 15. REGULATORY INFORMATION

**Warning symbol(s) :**

F+ : EXTREMELY FLAMMABLE

**Safety-phrase(s) :**

S2: Keep out of the reach of children.  
S16: Keep away from sources of ignition - No smoking.  
S23: Do not breathe vapours/spray.  
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S29/56: Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.  
S46: If swallowed, seek medical advice immediately and show this container or label.  
S51: Use only in well-ventilated areas.

Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C.  
Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material.  
Without adequate ventilation formation of explosive mixtures may be possible.

Classified according to Dir. 2008/47/EC amendment of the aerosol dispenser directive 75/324/EEC.

Classification according to EU-directive 99/45/EC

**Regulation (EC) No 648/2004 on detergents:** aliphatic hydrocarbons 15 - 30 %  
non-ionic surfactants < 5%  
perfumes. limonene,linolool,geraniol

## 16. OTHER INFORMATION

This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with any legal regulation.

The information contained herewith is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It does not guarantee any specific properties.

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**REVISIONS IN CHAPTRE :**

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**\*Explanation risk-phrases:**

R10: Flammable.  
R11: Highly flammable.  
R12: Extremely flammable.  
R34: Causes burns.  
R36: Irritating to eyes.  
R50: Very toxic to aquatic organisms.  
R67: Vapours may cause drowsiness and dizziness.

This Material Safety Data Sheet may already have been revised at this moment for reason such as legislation, availability of components and newly acquired experiences. The latest and only valid version of this Material Safety Data Sheet will be sent to you upon simple request or can be found on our website : [www.crcind.com](http://www.crcind.com). We recommend you to register on this website for this product so you will be able to receive any future updated version automatically.