

Material Safety Data Sheet

According to 91/155 EEC

Printing date 17.08.2005

Reviewed on 04.03.2005

1 Identification of substance:

- **Product details:**
- **Trade name:** AIR CO CLEANER ACC 34147
- **Article number:** 34147
- **Application of the substance / the preparation** Cleaning agent/ Cleaner
- **Manufacturer/Supplier:**
Premier Industrial (UK) Ltd
36-48 Queen Street
Horsham
West Sussex
RH13 5AD
England
TEl: 01403 213355
- **Informing department:** Product safety department

2 Composition/Data on components:

- **Chemical characterization**
- **Description:** Mixture of the substances listed below with harmless additions.

- **Dangerous components:**

CAS: 67-63-0 EINECS: 200-661-7	propan-2-ol	Xi, F; R 11-36-67	5-10%
CAS: 111-76-2 EINECS: 203-905-0	2-butoxyethanol	Xn; R 20/21/22-36/38	1-5%
CAS: 68131-39-5	Alcohol Ethoxylate Surfactant	Xn, N; R 22-36/38-50	0-1%
	Alkyl phosphate	Xi; R 36/38	0-1%
CAS: 64-02-8 EINECS: 200-573-9	tetrasodium ethylenediaminetetraacetate	Xn; R 22-36-52/53	0-1%
	Perfume	Xn; R 20-38-43	0-1%
CAS: 68476-85-7 EINECS: 270-704-2	Petroleum gases, liquefied	F+; R 12	1-5%

3 Hazards identification

- **Hazard designation:**



F+ Extremely flammable

- **Information pertaining to particular dangers for man and environment**

R 12 Extremely flammable.

- **Classification system**

The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

4 First aid measures

- **After inhalation** Supply fresh air; consult doctor in case of symptoms.
- **After skin contact** Instantly wash with water and soap and rinse thoroughly.
- **After eye contact** Rinse opened eye for several minutes under running water. Then consult doctor.

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· **After swallowing**

Do not induce vomiting; instantly call for medical help.
Rinse out mouth and then drink plenty of water.

5 Fire fighting measures

· **Suitable extinguishing agents**

Carbon dioxide
Fire-extinguishing powder
Foam

· **For safety reasons unsuitable extinguishing agents** Water with a full water jet.

· **Special hazards caused by the material, its products of combustion or resulting gases:**

Can form explosive gas-air mixtures.
Carbon monoxide (CO)

· **Protective equipment:** Wear self-contained breathing apparatus.

· **Additional information** Cool endangered containers with water spray jet.

6 Accidental release measures

· **Person-related safety precautions:**

Wear protective equipment. Keep unprotected persons away.
Keep away from ignition sources
Ensure adequate ventilation

· **Measures for environmental protection:**

Do not allow to enter drainage system, surface or ground water.
Inform respective authorities in case product reaches water or sewage system.

· **Measures for cleaning/collecting:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Send for recovery or disposal in suitable containers.
Dispose of contaminated material as waste according to item 13.

7 Handling and storage

· **Handling**

· **Information for safe handling:**

Ensure good ventilation/exhaustion at the workplace.
Keep away from heat and direct sunlight.

· **Information about protection against explosions and fires:**

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights.
Do not pierce or burn, even after use.
Do not spray on flames or red-hot objects.
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.

· **Storage**

· **Requirements to be met by storerooms and containers:**

Store in cool location.
Observe official regulations on storing packagings with pressurized containers.

· **Information about storage in one common storage facility:** Store away from oxidizing agents.

· **Further information about storage conditions:** Protect from heat and direct sunlight.

8 Exposure controls and personal protection

· **Additional information about design of technical systems:** No further data; see item 7.

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· Components with limit values that require monitoring at the workplace:

67-63-0 propan-2-ol

OES Short-term value: 1250 mg/m³, 500 ppm
Long-term value: 999 mg/m³, 400 ppm

111-76-2 2-butoxyethanol

OES Short-term value: 50 ppm
Long-term value: 25 ppm
New, Sk, Bmgv, IOELV

· **Additional information:** The lists that were valid during the compilation were used as basis.

· Personal protective equipment

· General protective and hygienic measures

Store protective clothing separately.
Keep away from foodstuffs, beverages and food.
Avoid contact with the eyes and skin.

· **Breathing equipment:** Not necessary if room is well-ventilated.

· Protection of hands:

Solvent resistant gloves
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:** Safety glasses

9 Physical and chemical properties:

· General Information

Form: Aerosol
Colour: White
Odour: Fruit-like

· Change in condition

Melting point/Melting range: Not determined
Boiling point/Boiling range: Not applicable, as aerosol

· **Flash point:** Not applicable, as aerosol

· **Self-inflammability:** Product is not selfigniting.

· **Danger of explosion:** Product is not explosive. However, formation of explosive air/steam mixtures is possible.

· **Density at 25°C** 0.985 g/cm³

· Solubility in / Miscibility with

Water: Not miscible or difficult to mix

10 Stability and reactivity

· **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

· **Dangerous reactions** Reacts with strong oxidizing agents

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· **Dangerous products of decomposition:** Carbon monoxide and carbon dioxide

11 Toxicological information

· **Acute toxicity:**

· **LD/LC50 values that are relevant for classification:**

67-63-0 propan-2-ol

Oral	LD50	4570 mg/kg (rat)
Dermal	LD50	13400 mg/kg (rab)
Inhalative	LC50/4 h	30 mg/l (rat)

111-76-2 2-butoxyethanol

Oral	LD50	1480 mg/kg (rat)
Dermal	LD50	400 mg/kg (rab)

· **Primary irritant effect:**

· **on the skin:** Irritant to skin and mucous membranes.

· **on the eye:** Irritant effect.

· **Sensitization:** No sensitizing effect known.

12 Ecological information:

· **General notes:**

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.

Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

13 Disposal considerations

· **Product:**

· **Recommendation**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

· **Uncleaned packagings:**

· **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

· **Land transport ADR/RID (cross-border)**



· **ADR/RID-GGVSE Class:** 2 5F

· **Kemler Number:** 23

· **UN-Number:** 1950

· **Packaging group:** -

· **Label** 2.1

· **Designation of goods:** 1950 AEROSOLS

· **Maritime transport IMDG:**



· **IMDG Class:** 2.1

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- **UN Number:** 1950
- **Label** 2.1
- **Packaging group:** -
- **EMS Number:** F-D,S-U
- **Marine pollutant:** No
- **Correct technical name:** AEROSOLS

Air transport ICAO-TI and IATA-DGR:


- **ICAO/IATA Class:** 2.1
- **UN/ID Number:** 1950
- **Label** 2.1
- **Packaging group:** -
- **Correct technical name:** AEROSOLS, flammable

15 Regulatory information

Designation according to EC guidelines:

The product has been classified and labelled in accordance with EC Directives / Ordinance on Hazardous Materials (GefStoffV)

Code letter and hazard designation of product:


F+ Extremely flammable

Risk phrases:

12 Extremely flammable.

Safety phrases:

- 9 Keep container in a well-ventilated place.
- 16 Keep away from sources of ignition - No smoking.
- 35 This material and its container must be disposed of in a safe way.
- 51 Use only in well-ventilated areas.

National regulations
Technical instructions (air):

Class	Share in %
II	8.0
III	8.0

- **Water hazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

16 Other information:

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant R-phrases

- 11 Highly flammable.
- 12 Extremely flammable.
- 20 Harmful by inhalation.
- 20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
- 22 Harmful if swallowed.
- 36 Irritating to eyes.

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- 36/38 *Irritating to eyes and skin.*
- 38 *Irritating to skin.*
- 43 *May cause sensitisation by skin contact.*
- 50 *Very toxic to aquatic organisms.*
- 52/53 *Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.*
- 67 *Vapours may cause drowsiness and dizziness.*

· **Department issuing data specification sheet:** Environment protection department.

· **Contact:** Marketing Department

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