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**1. Section 1. Identification of the substance/mixture and of the company/undertaking:**

- 1.1. Product identifier : **AIR CON CLEANER – R 34147 (spray)**
- 1.2. Relevant identified uses of the substance or Cleaner of car air-conditioning units  
mixture and uses advised against:
- 1.3. Details of the supplier of the safety data sheet:  
Identification of manufacturer/Supplier:  
RETECH, s.r.o.  
Vackova 1541/4  
150 00 Praha-5 Stodůlky  
Telephone/Fax: +420 327 596 128, +420 327 596 428  
Information: [info@retech.cz](mailto:info@retech.cz)
- 1.4. Emergency telephone number:  
RETECH Suchdol 212, Suchdol u Kutné Hory  
Tel.+420 327 596 128 (7.30-16.00 hour)  
Toxicology information number, Na bojišti 1, 128 08 PRAHA 2  
Tel. +420 224 919 293, +420 224 915 402 (24 hours a day)

**2. Section 2. Hazard identification:**

- The product is labeled due to the calculation procedure of the “General Classification guideline for preparations of the EU” in the latest valid version.  
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.
- 2.1. Classification of the substance or mixture:  
Classification according to Regulation (EC) No 1272/2008:  
Flam. Aerosol 1 H222 Extremely flammable aerosol.
- Classification according to Directive 67/548/EEC or Directive 1999/45/EC:  
F+ Extremely flammable R12 Extremely flammable
- 2.2. Label elements:  
Labelling according to Regulation (EC) No 1272/2008:  
GHS02  
  
DANGER  
H222 Extremely flammable aerosol.
- Labelling according to Directive 1999/45/EC:  
F+  
  
Extremely flammable  
R12 Extremely flammable
- Special labeling of certain preparations:  
Pressurized 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. Keep away from sources of ignition.- No smoking.  
Keep out of reach of children.
- 2.3. Other hazards:  
Results of PBT and vPvB assessment:

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PBT: Not applicable  
vPvB: Not applicable  
Buildup of explosive mixtures possible without sufficient ventilation.

**3. Section 3. Composition/information on ingredients:**

3.2. Mixtures:

Description: The active ingredient in propellants

Dangerous components:

CAS: 68476-85-7 EINECS: 270-704-2	Liquefied petroleum gas (contains less than 0.1% 1,3-butadiene) F+ R12 GHS02 Flam. Gas 1, H220; GHS04 Press. Gas H280	10-30%
CAS: 67-63-0 EINECS: 200-661-7	Propan-2-ol F R11; Xi R36; R67 GHS02 Flam. Liq. 2, H225; GHS07 Eye Irrit. 2, H319; STOT SE 3, H336	5-10%
CAS: 111-76-2 EINECS: 203-905-0	2-butoxyethanol Xn R 20/21/22; Xi R36/38 GHS07 Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319	1-5%
CAS: 68131-39-5 EINECS: 500-195-7	Fatty alcohol ethoxylate Xn R22; Xi R41; N R50	0-1%

Additional information: For the wording of the listed risk phrases refer to section 16.

Ingredients according to detergents guideline 648/2004/EC:

5-15% Aliphatic Hydrocarbons, <5% Perfume

<5% Non-ionic surfactants, EDTA and salts thereof, Perfumes

**4. Section 4. First aid measures:**

4.1. Description of first aid measures:

After inhalation: Remove victim immediately from source of exposure. Provide rest, warmth and fresh air.

After skin contact: Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.

After eye contact: Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

After swallowing: DO NOT INDUCE VOMITING! Rinse mouth thoroughly with water and give large amounts of water to people not unconscious. Seek medical advice.

Most important symptoms and effects, both acute and delayed: No further relevant information available.

Indication of any immediate medical attention and special treatment needed: No further relevant information available.

**5. Section 5. Fire fighting measures:**

5.1. Extinguishing media:

Suitable extinguishing agents: CO2, extinguishing powder or alcohol resistant foam.

For safety reasons unsuitable extinguishing agents: Water jet.

5.2. Special hazards arising from the substance or mixture:

In case of fire CO may be possible.

5.3. Advice for firefighters: Wear protective equipment/clothing when fighting fires.

Aerosols may explode when overheated.

Cool the container with water.

Solvent vapours may form explosive mixtures with air.

**6. Section 6. Accidental release measures:**

6.1. Personal precautions, protective equipment and emergency procedures:

Wear protective equipment see Section 8.2. Ensure adequate ventilation, keep away from ignition sources. Keep





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**13. Section 13. Disposal considerations:**

13.1 Waste treatment methods:

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

Uncleaned packaging: Disposal must be made according to official regulations.

**14. Section 14. Transport information:**

14.1. Land transport:

ADR/RID-GGVS: 2  
Number/Letter: 5F  
Number UN: 1950  
Description of goods: Aerosols

14.2. Maritime transport:

IMDG-class: 2.1  
Number UN: 1950  
Packaging group: -  
EMS-group: F-D, S-U  
Marine pollutant: No  
Proper shipping name: Aerosols

14.3. Air transport:

ICAO / IATA -class: 2.1  
UN/ID number: 1950  
Packaging group: -  
Proper shipping name: Aerosols, flammable  
UN "Model Regulation": UN1950; AEROSOLS; 2.1  
Special precautions for users - Warning: Gases  
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable

**15. Section 15. Regulatory information:**

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture:

Labelling according to law line:

The product has been labeled in accordance with EC Directives / relevant national laws.

Danger of determining components and mark to labelling:

68476-85-7 Liquefied petroleum gas

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after burn. Do not spray on a naked flame or any incandescent material.

Labelling hazardousness:



F+ Extremely flammable

Numbers and word reading associated hazard R-sentences :

R 12 Extremely flammable

Numbers and word reading associated security S-sentences:

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- S 2 Keep out of reach of children.
- S 16 Keep away from sources of ignition – No smoking.
- S 23 Do not breathe vapor/aerosol.
- S 35 This material and its container must be disposed of in a safe way.
- S 46 If swallowed, seek medical advice immediately and show this container or label.
- S 51 Use only in well-ventilated areas.

On the packaging there is not included info in accordance with European Regulation No 1999/45/EC (chapter 2.5.).

Regulation (EC) No 648/2004/EC detergents:  
5-15% Aliphatic Hydrocarbons, <5% Perfume  
<5% Non-ionic surfactants, EDTA and salts thereof, Perfumes  
Contains : Sodium benzoate, d-limonene

Used legislation:  
European Regulation (EC) No 1907/2006 – REACH.  
Commission Regulation (EU) No 453/2010.  
European Regulation No 67/548EEC and 1999/45/EC.  
Commission Regulation (EC) No 1272/2006 – CLP.  
Commission Regulation (EC) No 790/2009.  
Regulation (EC) No 648/2004 (detergents).

15.2. Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

#### 16. Section 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.

Relative R+H phrases:

- R 11 Highly flammable.
- R 12 Extremely flammable.
- R 20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
- R 22 Harmful if swallowed.
- R 36 Irritating to eyes.
- R 36/38 Irritating to eyes and skin.
- R 41 Risk of serious damage to eyes.
- R 50 Very toxic to aquatic organisms.
- R 67 Vapours may cause drowsiness and dizziness.
- H220 Extremely flammable gas.
- H225 Highly flammable liquid and vapour.
- H280 Contains gas under pressure; may explode if heated.
- H302 Harmful if swallowed.
- H312 Harmful in contact with skin.
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H336 May cause drowsiness or dizziness.

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

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IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)  
ICAO: International Civil Aviation Organization  
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)  
GHS: Globally Harmonized System of Classification and Labelling of Chemicals  
MAL-Code: Måleteknisk Arbejdshygiejnisk Luftbehov (Regulation for the labeling concerning inhalation hazards, Denmark)  
WEL- Workplace exposure limits  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent

**\*Compared to the last version the data has been changed.**