

**SECTION 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING****1.1. Product Identifier**

Trade name: APP K44 400 ml

Trade code: 212018

**1.2. Relevant identified uses of the substance/mixture and uses advised against**

Air-conditioning cleaning preparation

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

Company: APP Sp. z o. o.  
ul. Przemysłowa 10, 62 – 300 Września  
Tel. +48 (061) 437 00 00  
Fax. +48 (061) 437 91 37  
Mail: [app@app.com.pl](mailto:app@app.com.pl)  
Strona WEB: [www.app.com.pl](http://www.app.com.pl)

Safety Data Sheet e-mail: Tomasz Gołda, [t.golda@app.com.pl](mailto:t.golda@app.com.pl)**1.4. Emergency telephone number:**

+48 (61) 437 00 00

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**SECTION 2. HAZARDS IDENTIFICATION****2.1. Classification of the substance or mixture**

Classification according to Regulation (EC) No 1272/2008



GHS02



GHS07

Dgr

H222 Extremely flammable aerosol.

H229 Pressurised container: May burst if heated.

H319 Causes serious eye irritation

H412 Harmful to aquatic life with long lasting effects

EUH208 Contains d-limonene. May produce an allergic reaction

**2.2. Label elements****Labelling according Regulation (EC) No 1272/2008**

Contains:

Fragrance (d-limonene, citral)

&lt;5% cationic surfactants

&lt;5% nonionic surfactants

&gt;30% aliphatic hydrocarbons

**Signal word:**

Danger

**Pictogram:**


**GHS02**

**GHS07**
**Hazard statement(s)**

- H222 Extremely flammable aerosol.  
 H229 Pressurised container: May burst if heated.  
 H319 Causes serious eye irritation  
 H412 Harmful to aquatic life with long lasting effects  
 EUH208 Contains d-limonene. May produce an allergic reaction

**Precautionary statement(s)**

- P101 If medical advice is needed, have product container or label at hand.  
 P102 Keep out of reach of children.  
 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.  
 P261 Avoid breathing spray.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection.  
 P302+ P352 IF ON SKIN: Wash with plenty of water and soap.  
 P305 + P351 +P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P501 Dispose of contents/container according to local/regional/national/international regulations.

**2.3 Other hazards**

Does not fulfil criteria of PBT and vPvB according to annex XIII 1907/2006  
 UN: 1950

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**
**3.1. Substances**

N.A.

**3.2. Mixtures**

**Hazardous components within the meaning of EEC directive 67/548 and CLP regulation and related classification:**

Nazwa niebezpiecznej substancji	Zakres stężenia	Numer CAS	Numer indeksowy	Numer WE	Symbole niebezpieczeństwa
<b>Propane</b> REACH Reg. No 01-2119486944-21	10-20 %	74-98-6	601-003-00-5	200-827-9	<b>GHS02; GHS04</b> <b>Dgr</b> <b>FlamGas1: H220</b> <b>PressGas: H280</b>
<b>Butane</b> REACH Reg. No 01-2119474691-32 <b>Izobutane</b> Reg. No REACH 2119485395-27 01-	12.5-30%	106-97-8 75-28-5	601-004-00-0	203-448-7 200-857-2	<b>GHS02; GHS04</b> <b>Dgr</b> <b>FlamGas1: H220</b> <b>PressGas: H280</b>

<b>1-methoxy-2-propanol;</b> REACH Reg. No : 01-2119457435-35	1-<2,5%	107-98-2	603-064-00-3	203-539-1	GHS02; GHS07; Wng Flam.Liq.3: H226 STOT SE3: H336
<b>Ethoxylated alcohols C13</b>	1-2,5%	-	-	-	GHS05; GHS07; Dgr AcuteTox4: H302 SkinIrrit2: H315 EyeDam1: H318
<b>d-limonene</b>	0,1-<1%	5989-27-5	601-029-00-7	227-813-5	GHS02; GHS07; GHS09 Wng FlamLiq3: H226 SkinIrrit2: H315 SkinSens1: H317 AquaticAcute1: H400 AquaticChronic1: H410
<b>Quaternary ammonium                  compounds, C12-14-                  alkyl[(ethylphenyl)methyl]dimethyl,                  chloride</b>	0,1-1%	85409-23-0	-	287-090-7	GHS05; GHS07; GHS09 Dgr SkinCorr1B: H314 AcuteTox4: H302 AquaticAcute1: H400
<b>Quaternary ammonium                  compounds, C12-16-alkyldimethyl,                  chloride</b>	0,1-1%	68424-85-1	-	270-325-2	GHS05; GHS07; GHS09 Dgr SkinCorr1B: H314 AcuteTox4: H302 AquaticAcute1: H400

Full text of R-Phrases and H-Phrases can be found under heading 16

## SECTION 4. FIRST AID MEASURES

### 4.1. Description of first aid measures

#### In case of skin contact:

Immediately take off all contaminated clothing. After contact with skin, wash immediately with soap and plenty of water. In case of irritation, consult a doctor

#### In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time. In case of irritation, consult an ophthalmologist. Remove Contact Lenses

#### In case of Ingestion:

Do not under any circumstances induce vomiting. Never give anything by mouth to an unconscious person. Consult a doctor immediately and show him label or Safety Data Sheet.

#### In case of Inhalation:

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. In case of respiration problems, consult a doctor immediately and show him label or Safety Data Sheet.

### 4.2. Most important symptoms and effects, both acute and delayed

Contains d-limonene. May produce an allergic reaction

### 4.3. Indication of any immediate medical attention and special treatment needed

In case if ingestion consult a doctor.

#### Treatment:

None

**SECTION 5. FIRE-FIGHTING MEASURES****5.1. Extinguishing media****Suitable extinguishing media:**

Use alcohol foam, carbon dioxide, or water spray when fighting fires involving this material.

**Extinguishing media which must not be used for safety reasons:**

Water jet.

**5.2. Special hazards arising from the substance or mixture**

Extremely flammable aerosol. Pressurised container: May burst if heated. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122°F. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.. The vapour is heavier than air, spreads along the ground and distant ignition is possible. Toxic fumes may be evolved on burning or exposure to heat. Do not inhale explosion and combustion gases.

**5.3. Advice for fire-fighters**

Fires in confined spaces should be dealt with by trained personnel wearing approved air supplied breathing apparatus. Water may be used to cool nearby heat exposed areas/objects/packages. Avoid spraying directly into storage containers because of the danger of boil-over. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Move undamaged containers from immediate hazard area if it can be done safely.

**SECTION 6. ACCIDENTAL RELEASE MEASURES****6.1. Personal precautions, protective equipment and emergency procedures**

Wear personal protection equipment.

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

Provide adequate ventilation.

Use appropriate respiratory protection.

See protective measures under point 7 and 8.

**6.2. Environmental precautions**

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Retain contaminated washing water and dispose it.

**6.3. Methods and material for containment and cleaning up**

Contain and recover liquid using sand or other suitable inert absorbent material. It is advised that stocks of suitable absorbent material should be held in quantities sufficient to deal with any spillage which may be reasonably anticipated. Recovery of large spillages should be effected by specialist personnel. Protect drains from potential spills to minimise contamination. Do not wash product into drainage system. Large and uncontained spillages should be smothered in foam to reduce the risk of ignition. The foam blanket should be maintained until the area is declared safe. Vapour is heavier than air and may travel to remote sources of ignition (e.g. along drainage systems, in basements, etc.). In the case of spillage on water, prevent the spread of product by the use of suitable barrier equipment. Recover product from the surface. Protect environmentally sensitive areas and water supplies. In case of spillage at sea, approved dispersants may be used where authorized by the appropriate regulatory authority. In the event of spillages, contact the appropriate authorities.

**6.4. Reference to other sections**

See Section 8 for information on personal protection equipment.

**SECTION 7. HANDLING AND STORAGE****7.1. Precautions for safe handling**

Avoid breathing vapours or contact with material. Only use in well ventilated areas. Wash thoroughly after handling.

Air-dry contaminated clothing in a well-ventilated area before laundering. Properly dispose of any contaminated rags or cleaning materials in order to prevent fires. Use local exhaust ventilation if there is risk of inhalation of vapours. Prevent spillages. For comprehensive advice on handling, product transfer, storage and tank cleaning refer to the product supplier. For guidance on selection of personal protective equipment see Chapter 8 of this Material Safety Data Sheet. Use the information in this data sheet as input to a risk assessment of local circumstances to help determine appropriate controls for safe handling, storage and disposal of this material.

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

Store and dispense only in well ventilated areas away from heat and sources of ignition. Store and use only in equipment/containers designed for use with the product. Containers must be properly labelled and kept closed when not in use. Do not remove warning labels from containers. Do not re-use container for any other product. Empty packages may retain residual product; retain hazard warning labels on empty packages as a guide to their safe handling, storage and disposal. Do not introduce an ignition source. Heating may cause an explosion. Storage on solid, hydrocarbons-proof floor.

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

None.

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1. Control parameters**

No data.

**8.2. Exposure controls**

Do not eat, drink or smoke while working. Instantly remove any soiled and impregnated garments.

Wash hands during breaks and at the end of the work. Avoid contact with the eyes and skin.

Eye protection:

Wear face visor or goggles in circumstances where eye contact can accidentally occur.

Protection for skin/hands:

If skin contact is likely, wear impervious protective clothing and/or gloves (nitrile :  $\geq 0.45$  mm, 240 min. ). Protective clothing should be regularly inspected and maintained. Change heavily contaminated clothing as soon as reasonably practicable and launder before re-use. Wash any contaminated underlying skin with soap and water.

Respiratory protection:

Respiratory protection is normally unnecessary, provided the concentration of vapour is adequately controlled. If operations are such that the excessive generation and inhalation of vapour may be anticipated, then suitable approved organic vapour and particulate respiratory equipment should be worn

Thermal Hazards:

None

Environmental exposure controls:

None

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES****9.1. Information on basic physical and chemical properties**

Appearance and colour: liquid, aerosol, white

Odour: characteristic

Odour threshold: N.D.

pH: N.A.

Melting point / freezing point: N.D.

Initial boiling point and boiling range: N.D.

Upper/lower flammability or explosive limits: N.D.

Vapour density: N.D.

Flash point:  $< 0^{\circ}\text{C}$

Evaporation rate: N.A.

Vapour pressure: N.D.

Density:  $770 \text{ kg/m}^3$  ( $15^{\circ}\text{C}$ )

Solubility in water: insoluble

Solubility in organic solvents: soluble in aromatic solvents

Lipid solubility: N.A.

Partition coefficient (n-octanol/water): N.A.

Ignition temperature:  $> 200^{\circ}\text{C}$

Auto-ignition temperature: N.A.

Decomposition temperature: N.A.

Viscosity dyn.: N.D.

Viscosity kin.: N.D.

Explosive properties: can form an explosive mixture in air

Oxidizing properties: not oxidizing

**9.2. Other information**

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**SECTION 10. STABILITY AND REACTIVITY****10.1. Reactivity**

Mixture is not reactive.

**10.2. Chemical stability**

Stable under normal conditions of handling and storage.

**10.3. Possibility of hazardous reactions**

None.

**10.4. Conditions to avoid**

- solar radiation

- sparks

- flame

- heat

**10.5. Incompatible materials**

- strong oxidisers
- strong acids

**10.6. Hazardous decomposition products**

None.

**SECTION 11. TOXICOLOGICAL INFORMATION****11.1. Information on toxicological effects**

Causes serious eye irritation

Contains d-limonene. May produce an allergic reaction

**a) acute toxicity:** no hazard**b) skin corrosion/irritation:** no hazard**c) serious eye damage/irritation:** Causes serious eye irritation**d) respiratory or skin sensitization:** Contains d-limonene. May produce an allergic reaction**e) germ cell mutagenicity:** no hazard**f) carcinogenicity:** no hazard**g) reproductive toxicity:** no hazard**h) STOT-single exposure:** no hazard**i) STOT-repeated exposure:** no hazard**j) aspiration hazard:** no hazard**1-methoxy-2-propanol;**

LD50 (Rat, ingestion): 5660 mg/kg

LD50 (rabbit, skin): 13000 mg/kg

LC50 (rat, inhalation): 6 mg/l/4 h

**d-limonene**

LD50 (Rat, ingestion): 4400 mg/kg

LD50 (rabbit, skin): &gt;5000 mg/kg

**Quaternary ammonium compounds, C12-14-alkyl[(ethylphenyl)methyl]dimethyl, chloride**

LD50 (Rat, ingestion): 500 mg/kg (ATE)

**Quaternary ammonium compounds, C12-16-alkyldimethyl, chloride**

LD50 (Rat, ingestion): 500 mg/kg (ATE)

**SECTION 12. ECOLOGICAL INFORMATION****12.1. Toxicity**

Harmful to aquatic life with long lasting effects

**d-limonene:**

- crustacea EC50 (Daphnia magna): 0.67 mg/l/48h

**12.2. Persistence and degradability**

No data.

**12.3. Bioaccumulative potential**

No data.

**12.4. Mobility in soil**

No data

**12.5. Results of PBT and vPvB assessment**

vPvB Substances: None - PBT Substances: None

**12.6. Other adverse effects**

None

**SECTION 13. DISPOSAL CONSIDERATIONS****13.1. Waste treatment methods**

Dispose of via an authorised person/ licensed waste disposal contractor in accordance with local regulations or if approved allowed to degrade in situ. Dispose of product and container carefully and responsibly. Do not dispose of near ponds, ditches, down drains or onto soil. Empty packages may contain some remaining product. Hazard warning labels are a guide to the safe handling of empty packages and should not be removed.

**SECTION 14. TRANSPORT INFORMATION****14.1. UN number**

1950

**14.2. UN proper shipping name**

Aerosols, flammable

**14.3. Transport hazard class(es)**

2

**14.4. Packing Group**

No

**14.5. Environmental hazards**

No

**14.6. Special Precautions for User**

During handling wear personal protection equipment (see Section 8)

Avoid heat and flame.

**14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

N.A.

Label: 2.1

**SECTION 15. REGULATORY INFORMATION****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Dir. 67/548/EEC (Classification, packaging and labelling of dangerous substances). Dir. 99/45/EEC (Classification, packaging and labelling of dangerous preparations). Dir. 98/24/EC (Risks related to chemical agents at work). Dir. 2000/39/EC (Occupational exposure limit values); Dir. 2006/8/CE. Regulation (CE) n. 1907/2006 (REACH), Regulation (CE) n.1272/2008 (CLP), Regulation (CE) n.790/2009.

**Where applicable, refer to the following regulatory provisions :**

Directive 2003/105/CE ('Activities linked to risks of serious accidents') and subsequent amendments.

Regulation (EC) nr 648/2004 (detergents).

1999/13/EC (VOC directive)

**15.2. Chemical Safety Assessment**

No

**SECTION 16. OTHER INFORMATION**

Full text of phrases referred to in Section 3:

H220	Extremely flammable gas
H222	Extremely flammable aerosol
H280	Contains gas under pressure; may explode if heated
H226	Flammable liquid and vapour
H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H319	Causes serious eye irritation
H336	May cause drowsiness or dizziness
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.