# SAFETY DATA SHEET
## AIR CON CLEANER

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

<table>
<thead>
<tr>
<th>1.1. Product identifier</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Product name</strong></td>
</tr>
<tr>
<td><strong>Product number</strong></td>
</tr>
<tr>
<td><strong>Internal identification</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>1.2. Relevant identified uses of the substance or mixture and uses advised against</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Identified uses</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>1.3. Details of the supplier of the safety data sheet</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Supplier</strong></td>
</tr>
<tr>
<td><em><strong>UNIT 7 CLOVELLY BUSINESS PARK</strong></em></td>
</tr>
<tr>
<td><em><strong>CLOVELLY ROAD</strong></em></td>
</tr>
<tr>
<td><em><strong>SOUTHBOURNE, EMSWORTH</strong></em></td>
</tr>
<tr>
<td><em><strong>HANTS</strong></em></td>
</tr>
<tr>
<td><em><strong>PO10 8PE</strong></em></td>
</tr>
<tr>
<td>+44 (0)1243 376426</td>
</tr>
<tr>
<td><a href="mailto:product@gardx.co.uk">product@gardx.co.uk</a></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>1.4. Emergency telephone number</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Emergency telephone</strong></td>
</tr>
<tr>
<td>+44 (0) 777 8505 330 (24 hrs)</td>
</tr>
</tbody>
</table>

### SECTION 2: Hazards identification

<table>
<thead>
<tr>
<th>2.1. Classification of the substance or mixture</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Classification</strong></td>
</tr>
<tr>
<td><strong>Physical hazards</strong></td>
</tr>
<tr>
<td><strong>Health hazards</strong></td>
</tr>
<tr>
<td><strong>Environmental hazards</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Classification (67/548/EEC or 1999/45/EC)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>F+:R12.</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>2.2. Label elements</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Pictogram</strong></td>
</tr>
<tr>
<td><img src="image" alt="Flame" /></td>
</tr>
<tr>
<td><img src="image" alt="Exclamation" /></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Signal word</strong></th>
<th>Danger</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th><strong>Hazard statements</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>EUH208 Contains 2,2',2&quot;-(HEXAHYDRO-1,3,5-TRIAZINE-1,3,5-TRIYL)TRIETHANOL. May produce an allergic reaction.</td>
</tr>
<tr>
<td>H319 Causes serious eye irritation.</td>
</tr>
<tr>
<td>H222 Extremely flammable aerosol.</td>
</tr>
<tr>
<td>H229 Pressurised container: may burst if heated</td>
</tr>
</tbody>
</table>
AIR CON CLEANER

Precautionary statements
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.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists: Get medical advice/attention.
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
P501 Dispose of contents/container in accordance with national regulations.

Detergent labelling
5 - < 15% aliphatic hydrocarbons,< 5% non-ionic surfactants,< 5% EDTA and salts thereof,< 5% perfumes,Contains preservation agents,Contains preservation agents

2.3. Other hazards
This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

<table>
<thead>
<tr>
<th>HYDROCARBON PROPELLANT</th>
<th>10-30%</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS number: 68476-85-7</td>
<td>EC number: 270-704-2</td>
</tr>
<tr>
<td>Classification</td>
<td>Classification (67/548/EEC or 1999/45/EC)</td>
</tr>
<tr>
<td>Press. Gas, Liquefied - H280</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PROPAN-2-OL</th>
<th>5-10%</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS number: 67-63-0</td>
<td>EC number: 200-661-7</td>
</tr>
<tr>
<td>Classification</td>
<td>Classification (67/548/EEC or 1999/45/EC)</td>
</tr>
<tr>
<td>Flam. Liq. 2 - H225</td>
<td>F;R11 Xi;R36 R67</td>
</tr>
<tr>
<td>Eye Irrit. 2 - H319</td>
<td></td>
</tr>
<tr>
<td>STOT SE 3 - H336</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>2-BUTOXYETHANOL</th>
<th>1-5%</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS number: 111-76-2</td>
<td>EC number: 203-905-0</td>
</tr>
<tr>
<td>Classification</td>
<td>Classification (67/548/EEC or 1999/45/EC)</td>
</tr>
<tr>
<td>Acute Tox. 4 - H302</td>
<td>Xn;R20/21/22 Xi;R36/38</td>
</tr>
<tr>
<td>Acute Tox. 4 - H312</td>
<td></td>
</tr>
<tr>
<td>Acute Tox. 4 - H332</td>
<td></td>
</tr>
<tr>
<td>Skin Irrit. 2 - H315</td>
<td></td>
</tr>
<tr>
<td>Eye Irrit. 2 - H319</td>
<td></td>
</tr>
</tbody>
</table>
AIR CON CLEANER

ALCOHOL ETHOXYLATE
CAS number: 68131-39-5
M factor (Acute) = 1

Classification
Eye Dam. 1 - H318
Aquatic Acute 1 - H400

Classification (67/548/EEC or 1999/45/EC)
Xn;R22. Xi;R41. N;R50.

<1%

2,2',2''-(HEXAHYDRO-1,3,5-TRIAZINE-1,3,5-TRIYL)TRIETHANOL
CAS number: 4719-04-4
EC number: 225-208-0
REACH registration number: 01-2119529226-41-XXXX

Classification
Acute Tox. 4 - H302
Acute Tox. 2 - H330
Skin Sens. 1 - H317
STOT RE 1 - H372

Classification (67/548/EEC or 1999/45/EC)
Xn;R22 R43

<1%

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation
Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.

Ingestion
Rinse mouth thoroughly with water. Get medical attention if any discomfort continues.

Skin contact
Rinse with water. Get medical attention if any discomfort continues.

Eye contact
Remove any contact lenses and open eyelids wide apart. Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

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

Inhalation
Coughing, chest tightness, feeling of chest pressure.

Ingestion
May cause discomfort if swallowed.

Skin contact
Product has a defatting effect on skin.

Eye contact
Causes serious eye irritation.

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

Notes for the doctor
Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media
Extinguish with alcohol-resistant foam, carbon dioxide or dry powder.

5.2. Special hazards arising from the substance or mixture

Specific hazards
Extremely flammable aerosol. Pressurised container: may burst if heated.
Hazardous combustion products
Thermal decomposition or combustion products may include the following substances:
Carbon monoxide (CO). Carbon dioxide (CO₂).

5.3. Advice for firefighters

Protective actions during firefighting
Use water to keep fire exposed containers cool and disperse vapours.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions
Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Do not touch or walk into spilled material. Avoid contact with skin, eyes and clothing. Avoid inhalation of vapours. Take care as floors and other surfaces may become slippery. Avoid contact with contaminated tools and objects. Wash thoroughly after dealing with a spillage.

6.2. Environmental precautions

Environmental precautions
Do not discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up
Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Contain spillage with sand, earth or other suitable non-combustible material. Absorb spillage with inert, damp, non-combustible material. Absorb small quantities with paper towels and evaporate in a safe place. Once evaporation is complete, place paper in a suitable waste disposal container and seal securely. Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage.

6.4. Reference to other sections

Reference to other sections
Wear protective clothing as described in Section 8 of this safety data sheet.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions
Keep out of the reach of children. Keep away from heat, sparks and open flame. Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Avoid contact with skin, eyes and clothing. Avoid inhalation of vapours. Do not pierce or burn, even after use. Do not expose to temperatures exceeding 50°C/122°F. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions
Keep away from heat, sparks and open flame. Store at temperatures between 4°C and 40°C. Do not expose to temperatures exceeding 50°C/122°F.

Storage class
Flammable compressed gas storage.

7.3. Specific end use(s)

Specific end use(s)
The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits
HYDROCARBON PROPELLANT
AIR CON CLEANER

Long-term exposure limit (8-hour TWA): WEL 1000 ppm  1750 mg/m³
Short-term exposure limit (15-minute): WEL 1250 ppm  2180 mg/m³

**PROPAN-2-OL**

Long-term exposure limit (8-hour TWA): WEL 400 ppm  999 mg/m³
Short-term exposure limit (15-minute): WEL 500 ppm  1250 mg/m³

**2-BUTOXYETHANOL**

Long-term exposure limit (8-hour TWA): WEL 25 ppm  123 mg/m³
Short-term exposure limit (15-minute): WEL 50 ppm  246 mg/m³
Sk
WEL = Workplace Exposure Limit
Sk = Can be absorbed through the skin.

**PROPAN-2-OL (CAS: 67-63-0)**

**DNEL**
- Industry - Dermal; Long term systemic effects: 888 mg/kg/day
- Industry - Inhalation; Long term systemic effects: 500 mg/m³
- Consumer - Dermal; Long term systemic effects: 319 mg/kg/day
- Consumer - Oral; Long term systemic effects: 26 mg/kg/day
- Consumer - Inhalation; Long term systemic effects: 89 mg/m³

**PNEC**
- Fresh water; 140.9 mg/l
- Marine water; 140.9 mg/l
- Intermittent release; 140.9 mg/l
- Sediment (Freshwater); 552 mg/kg
- Sediment (Marinewater); 552 mg/kg
- STP; 2251 mg/l
- Soil; 28 mg/kg

**2-BUTOXYETHANOL (CAS: 111-76-2)**

**DNEL**
- Industry - Dermal; Short term systemic effects: 89 mg/kg/day
- Industry - Inhalation; Short term systemic effects: 663 mg/m³
- Industry - Dermal; Long term systemic effects: 75 mg/kg/day
- Industry - Inhalation; Long term systemic effects: 98 mg/m³
- Consumer - Dermal; Short term systemic effects: 44.5 mg/kg
- Consumer - Inhalation; Short term systemic effects: 426 mg/m³
- Consumer - Oral; Short term systemic effects: 13.4 mg/m³
- Consumer - Dermal; Long term systemic effects: 38 mg/kg
- Consumer - Oral; Long term systemic effects: 3.2 mg/kg
- Consumer - Inhalation; Long term systemic effects: 49 mg/kg
- Consumer - Inhalation; local effects: 123 mg/kg
- Consumer - Inhalation; local effects: 246 mg/m³

**PNEC**
- Fresh water; 8.8 mg/l
- Marine water; 0.88 mg/l
- Sediment (Freshwater); 34.6 mg/kg
- Soil; 2.8 mg/kg
- STP; 463 mg/l
- Sediment (Marinewater); 3.46

**Tetrasodium ethylenediaminetetraacetate (CAS: 64-02-8)**
AIR CON CLEANER

DNEL
Industry - Inhalation; 2.8 mg/m³
Consumer - Inhalation; 1.7 mg/m³
Consumer - Oral; 28.0 mg/kg/day

PNEC
- Fresh water; 2.8 mg/l
- Marine water; 0.28 mg/l
- Intermittent release; 1.6 mg/l
- STP; 57 mg/l
- Soil; 0.95 mg/l

8.2. Exposure controls

Protective equipment

Eye/face protection
Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles. Personal protective equipment for eye and face protection should comply with European Standard EN166.

Hand protection
Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. For exposure up to 4 hours, wear gloves made of the following material: Rubber (natural, latex), Neoprene, Polyvinyl chloride (PVC). To protect hands from chemicals, gloves should comply with European Standard EN374. The selected gloves should have a breakthrough time of at least 4 hours. The breakthrough time for any glove material may be different for different glove manufacturers. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected.

Hygiene measures
Wash hands thoroughly after handling. Wash contaminated clothing before reuse.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance
Aerosol.

Odour
Pleasant, agreeable.

pH
Not applicable.

Solubility(ies)
Soluble in water.

9.2. Other information

Other information
Not determined.

SECTION 10: Stability and reactivity

10.1. Reactivity
Reactivity
There are no known reactivity hazards associated with this product.

10.2. Chemical stability
Stability
Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions
Possibility of hazardous reactions
Not determined.
AIR CON CLEANER

10.4. Conditions to avoid

**Conditions to avoid**

Avoid heat, flames and other sources of ignition.

10.5. Incompatible materials

**Materials to avoid**

No specific material or group of materials is likely to react with the product to produce a hazardous situation.

10.6. Hazardous decomposition products

**Hazardous decomposition products**

Thermal decomposition or combustion products may include the following substances:

- Carbon monoxide (CO)
- Carbon dioxide (CO2)

SECTION 11: Toxicological information

11.1. Information on toxicological effects

**Acute toxicity - oral**

| ATE oral (mg/kg) | 39,681.82 |

**Acute toxicity - dermal**

| ATE dermal (mg/kg) | 24,090.91 |

**Acute toxicity - inhalation**

| ATE inhalation (vapours mg/l) | 250.0 |

**Inhalation**

- Coughing, chest tightness, feeling of chest pressure.

**Ingestion**

- May cause discomfort if swallowed.

**Skin contact**

- Product has a defatting effect on skin.

**Eye contact**

- Causes serious eye irritation.

Toxicological information on ingredients.

**PROPAN-2-OL**

| Acute toxicity - oral | 4,700.0 |

**Acute toxicity oral (LD₅₀ mg/kg)**

| Species | Rat |

| ATE oral (mg/kg) | 4,700.0 |

**Acute toxicity - dermal**

| Acute toxicity dermal (LD₅₀ mg/kg) | 16.4 |

**Species**

| Rabbit |

**2-BUTOXYETHANOL**

| Acute toxicity - oral | 1,746.0 |

**Acute toxicity oral (LD₅₀ mg/kg)**

| Species | Rat |

| ATE oral (mg/kg) | 1,746.0 |
AIR CON CLEANER

Acute toxicity - dermal
Acute toxicity dermal (LD₅₀ mg/kg) 1,060.0
Species Rabbit
ATE dermal (mg/kg) 1,060.0

Acute toxicity - inhalation
Notes (inhalation LC₅₀)
ATE inhalation (vapours mg/l) 11.0

SODIUM HYDROXIDE

Acute toxicity - oral
Acute toxicity oral (LD₅₀ mg/kg) 2,000.0
Species Rat
ATE oral (mg/kg)

SECTION 12: Ecological Information

Ecotoxicity Not regarded as dangerous for the environment.

Ecological information on ingredients.

PROPAN-2-OL

Ecotoxicity The product is not expected to be toxic to aquatic organisms.

12.1. Toxicity
Toxicity Not considered toxic to fish.
Acute toxicity - fish Not determined.

Ecological information on ingredients.

PROPAN-2-OL

Toxicity Not considered toxic to fish.
Acute toxicity - fish LC₅₀, 96 hours, 96 hours: 9640 mg/l, Pimephales promelas (Fat-head Minnow)
Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: >100 mg/l, Daphnia magna
Acute toxicity - aquatic plants EC₅₀, 72 hours: > 100 mg/l, Scenedesmus subspicatus
IC₅₀, 72 hours: >100 mg/l, Algae

2-BUTOXYETHANOL

Acute toxicity - fish LC₅₀, 96 hours: 820 - 1490 mg/l, Fish
Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 835 - 1550 mg/l, Daphnia magna
AIR CON CLEANER

Acute toxicity - aquatic plants
IC₅₀, 72 hours: 1840 mg/l, Algae

SODIUM HYDROXIDE

Acute toxicity - fish
LC₅₀, 48 hours, 48 hours: ~ 145 mg/l, Poecilia reticulata (Guppy)
REACH dossier information.

Acute toxicity - aquatic invertebrates
EC₅₀, 48 hours, 48 hours: ~ 76 mg/l, Daphnia magna
REACH dossier information.

12.2. Persistence and degradability
Persistence and degradability The product is expected to be biodegradable.

Ecological information on ingredients.

PROPA-N-2-OL
Persistence and degradability The product is readily biodegradable.

2-BUTOXYETHANOL
Persistence and degradability The product is readily biodegradable.

12.3. Bioaccumulative potential
Bioaccumulative potential The product does not contain any substances expected to be bioaccumulating.

Ecological information on ingredients.

PROPA-N-2-OL
Bioaccumulative potential The product is not bioaccumulating.

2-BUTOXYETHANOL
Bioaccumulative potential The product does not contain any substances expected to be bioaccumulating.

12.4. Mobility in soil
Mobility The product is soluble in water.

Ecological information on ingredients.

PROPA-N-2-OL
Mobility The product is soluble in water.

12.5. Results of PBT and vPvB assessment
Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

Ecological information on ingredients.

PROPA-N-2-OL
Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current EU criteria.
**AIR CON CLEANER**

**2-BUTOXYETHANOL**

Results of PBT and vPvB assessment
This substance is not classified as PBT or vPvB according to current EU criteria.

12.6. Other adverse effects
Other adverse effects Not determined.

Ecological information on ingredients.

**PROPAN-2-OL**

Other adverse effects Not available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

SECTION 14: Transport information

14.1. UN number
UN No. (ADR/RID) 1950
UN No. (IMDG) 1950
UN No. (ICAO) 1950

14.2. UN proper shipping name
Proper shipping name (ADR/RID) AEROSOLS
Proper shipping name (IMDG) AEROSOLS
Proper shipping name (ICAO) AEROSOLS

14.3. Transport hazard class(es)
ADR/RID class 2
IMDG class 2
ICAO class/division 2

Transport labels

14.4. Packing group
ADR/RID packing group 5F

14.5. Environmental hazards
Environmentally hazardous substance/marine pollutant No.

14.6. Special precautions for user
AIR CON CLEANER

Tunnel restriction code (D)

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

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

Not applicable.

SECTION 15: Regulatory Information

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

<table>
<thead>
<tr>
<th>National regulations</th>
<th>Control of Substances Hazardous to Health Regulations 2002 (as amended).</th>
</tr>
</thead>
<tbody>
<tr>
<td>Guidance</td>
<td>Workplace Exposure Limits EH40.</td>
</tr>
</tbody>
</table>

15.2. Chemical safety assessment

SECTION 16: Other information

Revision comments

NOTE: Lines within the margin indicate significant changes from the previous revision.

Revision date 14/09/2015
Revision 1.5
Supersedes date 19/06/2013
SDS number 17644
Risk phrases in full R11 Highly flammable.
R12 Extremely flammable.
R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
R22 Harmful if swallowed.
R35 Causes severe burns.
R36 Irritating to eyes.
R36/38 Irritating to eyes and skin.
R41 Risk of serious damage to eyes.
R50 Very toxic to aquatic organisms.
R67 Vapours may cause drowsiness and dizziness.
AIR CON CLEANER

Hazard statements in full

EUH208 Contains 2,2',2''-(HEXAHYDRO-1,3,5-TRIAZINE-1,3,5-TRIYL)TRIETHANOL. May produce an allergic reaction.
H220 Extremely flammable gas.
H222 Extremely flammable aerosol.
H225 Highly flammable liquid and vapour.
H229 Pressurised container: may burst if heated
H280 Contains gas under pressure; may explode if heated.
H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H330 Fatal if inhaled.
H332 Harmful if inhaled.
H336 May cause drowsiness or dizziness.
H372 Causes damage to organs through prolonged or repeated exposure.
H400 Very toxic to aquatic life.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.