

**AIR HORN SPRAY - FP017471**



**SAFETY DATA SHEET**  
(REACH regulation (EC) n° 1907/2006 - n° 2015/830)

**SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

**1.1. Product identifier**

Product name : AIR HORN SPRAY  
Product code : FP017471.

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

For professional users only.

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

Registered company name : Solchim S.r.l.  
Address : Via delle Arti, 6.26010.Fiesco (CR).Italy.  
Telephone : +39 0374/375711. Fax : +39 0374/370688.  
info.solchim@volcke-aerosol-connection.com  
http://www.volcke-aerosol-connection.com

**1.4. Emergency telephone number : +39 02/66101029.**

Association/Organisation : Poison center Hospital Niguarda (Milano).

**SECTION 2 : HAZARDS IDENTIFICATION**

**2.1. Classification of the substance or mixture**

**In compliance with EC regulation No. 1272/2008 and its amendments.**

Aerosol, Category 1 (Aerosol 1, H222 - H229).

This mixture does not present a health hazard with the exception of possible occupational exposure thresholds (see paragraphs 3 and 8).

This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

**2.2. Label elements**

Mixture for aerosol application.

**In compliance with EC regulation No. 1272/2008 and its amendments.**

Hazard pictograms :



GHS02

Signal Word :

DANGER

Hazard statements :

H222 Extremely flammable aerosol.  
H229 Pressurised container: May burst if heated.

Precautionary statements - General :

P102 Keep out of reach of children.

Precautionary statements - Prevention :

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.

Precautionary statements - Storage :

P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C.

**2.3. Other hazards**

The mixture does not contain substances classified as 'Substances of Very High Concern' (SVHC)  $\geq$  0.1% published by the European Chemicals Agency (ECHA) under article 57 of REACH: <http://echa.europa.eu/fr/candidate-list-table>

The mixture fulfils neither the PBT nor the vPvB criteria for mixtures in accordance with annexe XIII of the REACH regulations EC 1907/2006.

Intentional misuse of the preparation by concentrating and inhaling the vapours can be harmful or fatal.

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**SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS**

**3.2. Mixtures**

**Composition :**

| Identification   | (EC) 1272/2008  | Note            | %              |
|--|---|-----------------|----------------|
| INDEX: 601_004_00_0<br>CAS: 106-97-8<br>EC: 203-448-7<br>REACH: 01-2119474691-32 | GHS02<br>Dgr<br>Flam. Gas 1, H220<br>Press. Gas, H280 | C<br>[1]<br>[7] | 25 <= x % < 50 |
| BUTANE (< 0,1 % 1,3-BUTADIENE)   |   |                 |                |
| INDEX: 601_004_000A<br>CAS: 75-28-5<br>EC: 200-857-2<br>REACH: 01-2119485395-27  | GHS02<br>Dgr<br>Flam. Gas 1, H220<br>Press. Gas, H280 | C<br>[1]<br>[7] | 25 <= x % < 50 |
| ISOBUTANE  |   |                 |                |
| INDEX: 601_003_00_5<br>CAS: 74-98-6<br>EC: 200-827-9<br>REACH: 01-2119486944-21  | GHS02<br>Dgr<br>Flam. Gas 1, H220<br>Press. Gas, H280 | [1]<br>[7]      | 25 <= x % < 50 |
| PROPANE  |   |                 |                |

(Full text of H-phrases: see section 16)

**Information on ingredients :**

[7] Propellant gas

[1] Substance for which maximum workplace exposure limits are available.

**SECTION 4 : FIRST AID MEASURES**

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing by an unconscious person.

**4.1. Description of first aid measures**

**In the event of exposure by inhalation :**

In the event of massive inhalation, remove the person exposed to fresh air. Keep warm and at rest.

**In the event of splashes or contact with eyes :**

Wash thoroughly with fresh, clean water for 15 minutes holding the eyelids open.

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists :  
Get medical advice/attention.

**In the event of splashes or contact with skin :**

Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

**In the event of swallowing :**

In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.

Keep the person exposed at rest. Do not force vomiting.

Seek medical attention, showing the label.

If swallowed accidentally, call a doctor to ascertain whether observation and hospital care will be necessary. Show the label.

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

See section 11.

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

If you feel unwell, seek medical advice (show the label if possible). If symptoms persist, always call a doctor.

**SECTION 5 : FIREFIGHTING MEASURES**

Flammable.

Chemical powders, carbon dioxide and other extinguishing gas are suitable for small fires.

**5.1. Extinguishing media**

If the aerosols are exposed to a fire : keep containers cool by spraying with water from a protected position.

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### Suitable methods of extinction

In the event of a fire, use :

- sprayed water or water mist
- water with AFFF (Aqueous Film Forming Foam) additive
- foam
- multipurpose ABC powder
- BC powder
- carbon dioxide (CO<sub>2</sub>)

Prevent the effluent of fire-fighting measures from entering drains or waterways.

### Unsuitable methods of extinction

In the event of a fire, do not use :

- water jet

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

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

In the event of a fire, the following may be formed :

- carbon monoxide (CO)
- carbon dioxide (CO<sub>2</sub>)

In a fire or if heated, a pressure increase will occur and the container may burst. Bursting aerosol containers may be propelled from a fire at high speed. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

### 5.3. Advice for firefighters

Fire-fighting personnel are to be equipped with autonomous insulating breathing apparatus.

If possible, stop the product stream. Spray from a protected position till the containers are cool. If possible, take the aerosols outside. Keep public at a distance.

## SECTION 6 : ACCIDENTAL RELEASE MEASURES

### 6.1. Personal precautions, protective equipment and emergency procedures

Consult the safety measures listed under headings 7 and 8.

#### For non first aid worker

Because of the organic solvents contained in the mixture, eliminate sources of ignition and ventilate the area.

#### For first aid worker

First aid workers will be equipped with suitable personal protective equipment (See section 8).

### 6.2. Environmental precautions

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

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

Clean preferably with a detergent, do not use solvents.

### 6.4. Reference to other sections

No data available.

## SECTION 7 : HANDLING AND STORAGE

Requirements relating to storage premises apply to all facilities where the mixture is handled.

### 7.1. Precautions for safe handling

Always wash hands after handling.

Ensure that there is adequate ventilation, especially in confined areas.

#### Fire prevention :

Handle in well-ventilated areas.

Vapours are heavier than air. They can spread along the ground and form mixtures that are explosive with air.

Prevent the formation of flammable or explosive concentrations in air and avoid vapor concentrations higher than the occupational exposure limits.

Do not spray on a naked flame or any incandescent material.

Do not pierce or burn, even after use.

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Use the mixture in premises free of naked flames or other sources of ignition and ensure that electrical equipment is suitably protected.  
Keep packages tightly closed and away from sources of heat, sparks and naked flames.  
Do not use tools which may produce sparks. Do not smoke.  
Prevent access by unauthorised personnel.

**Recommended equipment and procedures :**

For personal protection, see section 8.  
Observe precautions stated on label and also industrial safety regulations.  
Do not breathe in aerosols.  
Packages which have been opened must be reclosed carefully and stored in an upright position.

**Prohibited equipment and procedures :**

No smoking, eating or drinking in areas where the mixture is used.

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

No data available.

**Storage**

Keep out of reach of children.  
Keep away from all sources of ignition - do not smoke.  
Keep well away from all sources of ignition, heat and direct sunlight.  
The floor must be impermeable and form a collecting basin so that, in the event of an accidental spillage, the liquid cannot spread beyond this area.  
Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C.  
Storage in a dry, frost-free and well ventilated place.

**Packaging**

Always keep in packaging made of an identical material to the original.

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

No data available.

**SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1. Control parameters**

**Occupational exposure limits :**

- ACGIH TLV (American Conference of Governmental Industrial Hygienists, Threshold Limit Values, 2010) :

| CAS      | TWA :    | STEL : | Ceiling : | Definition : | Criteria : |
|----------|----------|--------|-----------|--------------|------------|
| 106-97-8 | 1000 ppm |        |           |              |            |
| 75-28-5  | 1000 ppm |        |           |              |            |
| 74-98-6  | 1000 ppm |        |           |              |            |

- Germany - AGW (BAuA - TRGS 900, 29/01/2018) :

| CAS      | VME : | VME :                              | Excess | Notes |
|----------|-------|------------------------------------|--------|-------|
| 106-97-8 |       | 1000 ppm<br>2400 mg/m <sup>3</sup> |        | 4(II) |
| 75-28-5  |       | 1000 ppm<br>2400 mg/m <sup>3</sup> |        | 4(II) |
| 74-98-6  |       | 1000 ppm<br>1800 mg/m <sup>3</sup> |        | 4(II) |

- France (INRS - ED984 :2016) :

| CAS      | VME-ppm : | VME-mg/m <sup>3</sup> : | VLE-ppm : | VLE-mg/m <sup>3</sup> : | Notes : | TMP No : |
|----------|-----------|-------------------------|-----------|-------------------------|---------|----------|
| 106-97-8 | 800       | 1900                    | -         | -                       | -       | -        |

- UK / WEL (Workplace exposure limits, EH40/2005, 2011) :

| CAS      | TWA :                             | STEL :                            | Ceiling : | Definition : | Criteria : |
|----------|-----------------------------------|-----------------------------------|-----------|--------------|------------|
| 106-97-8 | 600 ppm<br>1450 mg/m <sup>3</sup> | 750 ppm<br>1810 mg/m <sup>3</sup> |           | Carc         |            |

**8.2. Exposure controls**

**Personal protection measures, such as personal protective equipment**

Use personal protective equipment that is clean and has been properly maintained.  
Store personal protective equipment in a clean place, away from the work area.  
Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

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**- Eye / face protection**

Avoid contact with eyes.  
Use eye protectors designed to protect against liquid splashes  
Before handling, wear safety goggles in accordance with standard EN166.  
Do not spray in the direction of the eyes.

**- Hand protection**

Wear suitable protective gloves in the event of prolonged or repeated skin contact.  
Type of gloves recommended :  
- Nitrile rubber (butadiene-acrylonitrile copolymer rubber (NBR))  
- PVA (Polyvinyl alcohol)  
Not necessary at efficient use. Wash your hands after contact with skin.

**- Body protection**

Work clothing worn by personnel shall be laundered regularly.  
After contact with the product, all parts of the body that have been soiled must be washed.  
Not necessary at efficient use. Wash skin that has been in contact with the product, with water and soap.

**- Respiratory protection**

Do not breathe spray. Use only in well-ventilated areas.

**Exposure controls linked to environmental protection**

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

**SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES**

**9.1. Information on basic physical and chemical properties**

**General information :**

|                  |                         |
|------------------|-------------------------|
| Physical state : | Fluid liquid.<br>Spray. |
| Color :          | Colourless, clear       |
| Odour :          | Specific                |

**Important health, safety and environmental information**

|   |                     |
|---|---------------------|
| pH :                                      | Not relevant.       |
| Boiling point/boiling range :             | Not relevant.       |
| Vapour pressure (50°C) :                  | Not relevant.       |
| Density :                                 | 0.50                |
| Water solubility :                        | Insoluble.          |
| Melting point/melting range :             | Not relevant.       |
| Self-ignition temperature :               | Not relevant.       |
| Decomposition point/decomposition range : | Not relevant.       |
| Chemical combustion heat :                | Not specified.      |
| Inflammation time :                       | Not specified.      |
| Deflagration density :                    | Not specified.      |
| Inflammation distance :                   | Not specified.      |
| Flame height :                            | Not specified.      |
| Flame duration :                          | Not specified.      |
| Flash point :                             | < 0 °C              |
| Flammability :                            | Extremely flammable |

**9.2. Other information**

|                    |           |
|--------------------|-----------|
| VOC (g/l) :        | 500.00    |
| Pressure at 20°C : | ± 4.5 bar |

**SECTION 10 : STABILITY AND REACTIVITY**

**10.1. Reactivity**

No data available.

**10.2. Chemical stability**

This mixture is stable under the recommended handling and storage conditions in section 7.

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**10.3. Possibility of hazardous reactions**

When exposed to high temperatures, the mixture can release hazardous decomposition products, such as carbon monoxide and dioxide, fumes and nitrogen oxide.

Under normal conditions of storage and use, hazardous reactions will not occur.

**10.4. Conditions to avoid**

Any apparatus likely to produce a flame or to have a metallic surface at high temperature (burners, electric arcs, furnaces etc.) must not be allowed on the premises.

Avoid :

- heat

Protect from sunlight and do not expose to temperatures exceeding 50°C. Keep away from heat and sources of ignition. Storage in a dry, frost-free and well ventilated place.

**10.5. Incompatible materials**

No materials known by which a dangerous reaction can occur.

**10.6. Hazardous decomposition products**

The thermal decomposition may release/form :

- carbon monoxide (CO)

- carbon dioxide (CO<sub>2</sub>)

The product is stable. Under normal conditions of storage and use, hazardous decomposition products should not be produced.

**SECTION 11 : TOXICOLOGICAL INFORMATION**

**11.1. Information on toxicological effects**

Splashes in the eyes may cause irritation and reversible damage

**11.1.1. Substances**

**Acute toxicity :**

PROPANE (CAS: 74-98-6)

Inhalation route (n/a) : LC50 > 10 mg/l

ISOBUTANE (CAS: 75-28-5)

Inhalation route (n/a) : LC50 > 10 mg/l

BUTANE (< 0,1 % 1,3-BUTADIENE) (CAS: 106-97-8)

Inhalation route (n/a) : LC50 > 10 mg/l

**Germ cell mutagenicity :**

PROPANE (CAS: 74-98-6)

No mutagenic effect.

ISOBUTANE (CAS: 75-28-5)

No mutagenic effect.

BUTANE (< 0,1 % 1,3-BUTADIENE) (CAS: 106-97-8)

No mutagenic effect.

**Carcinogenicity :**

PROPANE (CAS: 74-98-6)

Carcinogenicity Test : Negative.  
No carcinogenic effect.

ISOBUTANE (CAS: 75-28-5)

Carcinogenicity Test : Negative.  
No carcinogenic effect.

BUTANE (< 0,1 % 1,3-BUTADIENE) (CAS: 106-97-8)

Carcinogenicity Test : Negative.  
No carcinogenic effect.

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**Reproductive toxicant :**

PROPANE (CAS: 74-98-6)  
No toxic effect for reproduction

ISOBUTANE (CAS: 75-28-5)  
No toxic effect for reproduction

BUTANE (< 0,1 % 1,3-BUTADIENE) (CAS: 106-97-8)  
No toxic effect for reproduction

**11.1.2. Mixture**

No toxicological data available for the mixture.

**SECTION 12 : ECOLOGICAL INFORMATION**

**12.1. Toxicity**

**12.1.2. Mixtures**

No aquatic toxicity data available for the mixture.

**12.2. Persistence and degradability**

Butane/Isobutane/Propane : Expected to be readily biodegradable.

**12.2.1. Substances**

PROPANE (CAS: 74-98-6)  
Biodegradability : Rapidly degradable.

ISOBUTANE (CAS: 75-28-5)  
Biodegradability : Rapidly degradable.

BUTANE (< 0,1 % 1,3-BUTADIENE) (CAS: 106-97-8)  
Biodegradability : Rapidly degradable.

**12.3. Bioaccumulative potential**

Butane/Isobutane/Propane : Not expected to be dangerous for the aquatic environment.

**12.4. Mobility in soil**

Butane/Isobutane/Propane : If released into the environment, the product will rapidly disperse into the atmosphere where it will undergo photochemical degradation.

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

No data available.

**12.6. Other adverse effects**

No data available.

**SECTION 13 : DISPOSAL CONSIDERATIONS**

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

**13.1. Waste treatment methods**

Do not pour into drains or waterways.

**Waste :**

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

**Soiled packaging :**

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

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**SECTION 14 : TRANSPORT INFORMATION**

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2017 - IMDG 2016 - ICAO/IATA 2017).

**14.1. UN number**

1950

**14.2. UN proper shipping name**

UN1950=AEROSOLS, flammable

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

- Classification :



2.1

ADR/RID Label : Limited Quantity : 2.1 is not applicable.

**14.4. Packing group**

-

**14.5. Environmental hazards**

-

**14.6. Special precautions for user**

| ADR/RID | Class | Code | Pack gr. | Label | Ident. | LQ  | Provis.         | EQ | Cat. | Tunnel |
|---------|-------|------|----------|-------|--------|-----|-----------------|----|------|--------|
|         | 2     | 5F   | -        | 2.1   | -      | 1 L | 190 327 344 625 | E0 | 2    | D      |

| IMDG | Class | 2°Label  | Pack gr. | LQ        | EMS     | Provis.                       | EQ |
|------|-------|----------|----------|-----------|---------|-------------------------------|----|
|      | 2     | See SP63 | -        | See SP277 | F-D,S-U | 63 190 277 327<br>344 381 959 | E0 |

| IATA | Class | 2°Label | Pack gr. | Passager | Passager | Cargo | Cargo  | note                 | EQ |
|------|-------|---------|----------|----------|----------|-------|--------|----------------------|----|
|      | 2.1   | -       | -        | 203      | 75 kg    | 203   | 150 kg | A145<br>A167<br>A802 | E0 |
|      | 2.1   | -       | -        | Y203     | 30 kg G  | -     | -      | A145<br>A167<br>A802 | E0 |

For limited quantities, see part 2.7 of the OACI/IATA and chapter 3.4 of the ADR and IMDG.

For excepted quantities, see part 2.6 of the OACI/IATA and chapter 3.5 of the ADR and IMDG.

**14.7. Transport in bulk according to Annex II of Marpol and the IBC Code**

No data available.

**SECTION 15 : REGULATORY INFORMATION**

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

**- Classification and labelling information included in section 2:**

The following regulations have been used:

- Directive 75/324/CEE modified by directive 2013/10/UE
- EU Regulation No. 1272/2008 amended by EU Regulation No. 2018/1480 (ATP 13)

**- Container information:**

No data available.

**- Particular provisions :**

No data available.

**15.2. Chemical safety assessment**

No data available.

