



## AIR CONTROL

Revision 8.0 of September 15, 2020

# MATERIAL SAFETY DATA SHEET

according to the regulation 830/2015 annex II

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

#### 1.1 - Product details

Trade name: AIR CONTROL

#### 1.2 - Relevant identified uses of the substance or mixture and uses advised against

Aerosol air freshner

#### 1.3 - Details of the supplier of the safety data sheet

Manufacturer/Supplier: ORMA s.r.l. - Via A. Chiribiri 2 - 10028 Trofarello TO

Tel. +39/011.64.99.064 Fax +39/011.68.04.102



Qualified technician on drafting the MSDS: [regulatory@ormatorino.it](mailto:regulatory@ormatorino.it)

#### 1.4 - Emergency telephone number:

For urgent information, call a **Poison Centre** opened 24 hours a day (ex. Centro Antiveleni Ospedale Niguarda, Milano +39/02.66101029)

### SECTION 2: Hazards identification

#### Classification according the CLP Regulation N. 1272/2008 and subsequent modifications and adjustments

Classification	Flammable aerosol; Skin sensitization; Category 1; Category 1
GHS Pictograms	GHS02 GHS07  
Signal Word	DANGER
Hazard Statement	H222 H317
Supplemental hazard information	---

#### 2.2 - Label elements

#### Hazard labelling of the preparation according to CLP Regulation N. 1272/2008 and subsequent modifications and adjustments

Pictograms:

Warning:

DANGER

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### Hazard statements (H):

H222: Extremely flammable aerosol

H229: Pressurized container: may burst if heated

H317: May cause an allergic skin reaction.

### Precautionary statements (P):

P101: If medical advice is needed, have product container or label at hand.

P102: Keep out of reach of children.

P103: Read label before use.

P210: Keep away from heat/sparks/open flames/hot surfaces. – No smoking.

P211: Do not spray on an open flame or other ignition source.

P251: Pressurized container: Do not pierce or burn, even after use.

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.

P363: Wash contaminated clothing before reuse.

P302 + P352: IF ON SKIN - Wash with plenty of soap and water.

P333+P313: If skin irritation or rash occurs: Get medical advice/attention.

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

P501: Dispose of contents/container according to the regulation.

### 2.3 – Other hazards

N.A.

## SECTION 3 : Composition/information on ingredients

**3.1 – Substances:** Not pertinent information.

**3.2 – Mixture:** It contains

Name	Registration number	CAS N°	EINECS N°	CLP Classification	%
PROPAN-2-OL	01-2119457558-25-XXXX	67-63-0	200-661-7	Flam. Liq. 2 H225 Eye Irrit. 2 H319 STOT SE 3 H336	< 10,0
PROPANE*	01-2119486944-21-XXXX	74-98-6	200-827-9	Flam. Gas 1 H220 Press. Gas H280	> 20,0
N-BUTANE*	01-2119474691-32-XXXX	106-97-8	203-448-7	Flam. Gas 1 H220 Press. Gas H280	> 20,0
ISOBUTANE*	01-2119485395-27-XXXX	75-28-5	200-857-2	Flam. Gas 1 H220 Press. Gas H280	> 20,0
FRAGRANCE	N.A.	N.A.	N.A.	Skin Sens. 1B - H317	> 1,0

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ORMA S.r.l.

Sede legale: Corso Matteotti n. 57, 10121 Torino

Sede amministrativa e commerciale

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*The full text of Risk phrases (R) and Hazards (H) is specified in section 16.*

### SECTION 4 First-aid measures

#### **4.1 - Description of first-aid measures**

General information: if symptoms persist, seek medical care, giving the information contained in the label and in this sheet. In case of accident, the first-aid measure should be performed by trained personnel, in order to avoid the injured further complication or damages.

After eye contact: Rinse opened eye with water for several minutes and get medical advice.

After skin contact: Immediately wash with plentiful running water.

After inhalation: remove the patient to fresh air; consult get medical advice if necessary.

After swallowing: get medical advice, showing the safety sheet. Do not induce vomiting.

#### **4.2 - Main symptoms and effects, both acute and retarded**

For symptoms and effects caused by the substances see section 11. Symptoms of poisoning may even occur after several hours, therefore medical observation for at least 48 hours after the accident may be necessary.

#### **4.3 - Indications about the possible need to get medical advice and special treatments**

Symptomatic treatment and control of vital functions.

### SECTION 5: Fire-fighting measures

#### **5.1 - Extinguishing agents:**

Suitable extinguishing agents: CO<sub>2</sub>, dry chemical extinguisher, sand.

Unsuitable extinguishing agents: Water with full jet. Water is not effective for fire-extinguishing, however it can be used to cool down containers exposed to flames, in order to prevent bursts and explosions.

#### **5.2 - Special hazards arising from the substance or mixture**

Particular fire dangers: In case of fire, toxic gas and irritating vapours emission.

#### **5.3 - Advice for firefighters**

Protective equipment: Wear suitable rebreather (especially in indoor locals) and complete protection outfit.

Special procedures: Contain the spread. Stay upwind. Avoid to breathe vapours. Cool down the containers

exposed to fire with nebulized water. Avoid extinguishing water to release to the environment.

### SECTION 6: Accidental release measures

#### **6.1 - Personal precautions, protective equipment and emergency procedures**

Use suitable personal protective equipment (see section 8). Ensure adequate ventilation.

#### **6.2 Environmental precautions**

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Keep the product away from sewers, fluvial and marine water to avoid environmental pollution (in that case, inform respective authorities).

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

In case of spreading on the ground, stem with sand or soil and collect with absorbing material. Dispose the collected material in disposal container (see Section 13).

**6.4 - Reference to other sections**

Further information regarding individual protection and disposal are reported in section 8 and 13.

**SECTION 7: Handling and storage****7.1 - Precautions for safe handling**

Ensure good ventilation. Avoid eating, drinking and smoking. Use suitable protective clothes (see Section 8). Wash with water and soap after handling; ensure good ventilation of the workplace. Do not smoke and do not use on naked flame. Do not spray onto a naked flame or any incandescent material. Keep ignition sources away - Do not smoke. Protect against electrostatic charges. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C, for example incandescent lamps. Do not pierce or burn. Even after use.

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

Store in the original tightly sealed receptacle, away from food and beverages and away from the reach of children and domestic animals. Store in a cool location. Protect from direct sunlight. Where applicable, observe official regulations on storing packaging with pressurized containers.

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

No further relevant information available.

**SECTION 8: Exposure controls/personal protection****8.1 - Control parameters**

Substance Identifier	Values
PROPAN-2-OL	PNEC in fresh water: 140,9 mg/l PNEC in marine water: 140,9 mg/l PNEC for fresh water sediment: 552 mg/kg PNEC for marine water sediment: 552 mg/kg PNEC for the terrestrial compartment: 28 mg/kg DNEL - Effects on workers: Chronic systemic - Dermal 888 mg/kg; Inhalation 500 mg/m <sup>3</sup> DNEL - Effects on consumers: Chronic systemic - Dermal 319 mg/kg; Inhalation 89 mg/m <sup>3</sup> ; Ingestion 26 mg/kg
HYDROCARBONS C4	TWA: ACGIH 1000 ppm

**8.2 - Exposure controls**

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**General protective measures:** Use the preparation according the indication contained in this safety sheet. Use individual protective devices recommended in this section.

**Respiratory protection:** In not so ventilated environments, where high percentage of product could be present, protect adequately the respiratory tract (mask with suitable filter against gas and solvents).

**Protection of hands:** Use impermeable and chemical substances resistant gloves (EN 374).

**Eye protection:** Use safety glasses with side protection, in case of possible contact to eyes.

**Body protection:** If need use protective coats.

**SECTION 9: Physical and chemical properties****9.1 - Information on basic physical and chemical properties**

<i>Form:</i>	Aerosol
<i>Color:</i>	Pale yellow
<i>Odor:</i>	perfumed
<i>pH:</i>	N.A.
<i>Melting point/freezing point:</i>	-41°C
<i>Initial boiling point and boiling range:</i>	N.A.
<i>Flash point:</i>	14°C
<i>Evaporation rate:</i>	N.A.
<i>Flammability (solid, gas):</i>	N.A..
<i>Upper/lower flammability or explosive limits:</i>	1.8 - 12.0 vol%
<i>Vapour pressure:</i>	43.0 hPa
<i>Vapour density:</i>	N.A.
<i>Relative density:</i>	N.A.
<i>Solubility:</i>	Slight soluble
<i>Partition coefficient: n-octanol/water:</i>	N.A.
<i>Auto-ignition temperature:</i>	425°C
<i>Decomposition temperature:</i>	N.A.
<i>Viscosity:</i>	N.A.
<i>Explosive properties:</i>	Non-explosive product
<i>Oxidising properties:</i>	N.A.

**SECTION 10: Stability and reactivity****10.1 - Reactivity**

Not particular reactivity danger with other substances under normal operating conditions.

**10.2 - Chemical Stability**

Stable under normal operating and storage conditions.

**10.3 - Possibility of hazardous reactions**

No dangerous reactions known.

**10.4 - Conditions to avoid**

Avoid overheating, electrostatic charge, direct exposition to sun and any lighting source.

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### 10.5 - Incompatible materials

No further relevant information available.

### 10.6 - Hazardous decomposition products

The thermal decomposition causes the formation of hazardous compounds.

## SECTION 11: Toxicological information

### 11.1 - Information on toxicological effects

<b>Inhalation</b>	Possible irritations of respiratory tract (in case of continuous inhalation narcotic effects caused by propellants may occur).
<b>Swallowing</b>	Possible irritations, nausea, vomit, abdominal diseases.
<b>Skin contact</b>	Possible irritations.
<b>Eyes contact</b>	Possible irritations.

### Toxicological data:

Substance identifier	Acute Oral Toxicity	Acute Dermal Toxicity	Acute Inhalation Toxicity
PROPAN-2-OL	LD50 Rat: 4710 mg/kg	LD50 Rat: 12.800 mg/kg	CL50 Rat: 72,6 mg/l 4h

#### -SKIN CORROSION/IRRITATION

Not irritating.

#### -SERIOUS EYE DAMAGE/IRRITATION

Causes serious eye irritation.

#### -RESPIRATORY OR SKIN SENSITISATION

Not sensitising.

#### -GERM CELL MUTAGENICITY

Non-mutagenic.

#### -CANCEROGENICITY

Non-cancerogenic.

#### -REPRODUCTIVE TOXICITY

Non-toxic to reproduction.

#### -STOT SE

May cause drowsiness and dizziness.

#### -STOT RE

Does not meet the classification criteria for this hazard class.

#### -ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class.

Substance identifier	Acute Oral Toxicity	Acute Dermal Toxicity	Acute Inhalation Toxicity
PROPANE	LD50 Rat: N.D.	LD50 Rabbit: 1443 mg/l; 800000 ppm	CL50 Rat: N.D.

#### -SKIN CORROSION/IRRITATION

Not classified. Contact with the liquid can cause burns from freezing.

#### -SERIOUS EYE DAMAGE/IRRITATION



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Not classified.

-RESPIRATORY OR SKIN SENSITISATION

It does not contain significant amounts of substances classified as sensitizing.

-GERM CELL MUTAGENICITY

Non-mutagenic.

-CANCEROGENICITY

Non-cancerogenic.

-REPRODUCTIVE TOXICITY

Non-toxic to reproduction.

-STOT SE

Not classified.

-STOT RE

Not classified.

-OTHER INFORMATION

None predictable at room temperature. Contact with liquids, containers and distribution lines containing LPG (liquefied petroleum gas) should be avoided in order to prevent cold burns. The lack of oxygen due to exposure to high concentrations can cause asphyxia.

### SECTION 12 : Ecological information

The mixture does not contain dangerous propellant for ozone.

#### 12.1 - Toxicity

N.A.

#### 12.2 - Persistence and degradability

**Propan-2-ol:** readily biodegradable.

**Propane:** readily biodegradable.

#### 12.3 - Bioaccumulative potential

**Propan-2-ol:** Partition coefficient: n-octanol/water= 0,05

**Propane:** Log Pow 1,09 - 2,8

#### 12.4 - Mobility in soil

**Propan-2-ol:** N.A.

**Propane:** very volatile. The test methods are not applicable.

#### 12.5 - Results of PBT and vPvB assessment

Does not contain any substances classified as PBT or vPvB.

#### 12.6 - Other adverse effects

**Propane mixture:** ODP (Ozone Depletion Potential): 0 Years. The standard is trichlorofluoromethane (R-11), which is given the ODP value of 1.0. GWP (Global Warming Potential): 3 Years. Expresses the contribution to the greenhouse effect given by a gaseous emission into the atmosphere. All molecules have a potential relative to the CO<sub>2</sub> molecule, whose potential is 1 and serves as a reference.





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### SECTION 13: Disposal consideration

#### 13.1 - Waste treatment methods

**General recommendation:** Recover if possible. Operate according to local and national dispositions in force. Containers, even if completely emptied, must not be released to the environment. If they contain residues, they must be classified, stored and sent to an appropriate waste management plant. For a non-professional use the completely empty container can be disposed with household garbage, according to the local dispositions for waste separation.

**Classification:** The classification of waste is an obligation of the producer. Possible EWC codes: 16 05 04 (gas in pressurized container containing dangerous substances) if the container is not completely emptied of contents, or 15 01 04 (containers in metal) if the containers are completely emptied of contents).

### SECTION 14: Transport information

#### 14.1. UN number

1950

#### 14.2. UN proper shipping name

AEROSOL Flammable

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

2

#### 14.4. Packing group

III

#### 14.5. Environmental hazards

No

#### 14.6. Special precautions for user

N.A.

#### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

N.A.

### SECTION 15: Regulatory information

#### 15.1 - Specific standards and legislation on health, safety and environment for the preparation/substance

Substances in Candidate List (Art. 59 REACH): None

Restrictions on the product or the substances contained according to EC-Regulation 1907/2006

Enclose XVII:None

Substances subject to authorization (REACH Enclose XIV):None.



**AIR CONTROL***Revision 8.0 of September 15, 2020***Regulations:**

- Regulation (CE) 1272/2008 of European Parliament (CLP);
- Direttiva 98/24/CE - D.Lgs 81/2008;
- Regulation (CE) 1907/2006 (REACH);
- Regulation (CE) 790/2009 of European Parliament (I Atp. CLP);
- Regulation (CE) 453/2010 of European Parliament;
- Banca dati sulle sostanze GESTIS - IFA (Institute für Arbeitsschutz der Deutschen Gesetzlichen Unfallversicherung).
- Regulation (CE) 830/2015 of European Parliament
- Regulation (UE) 1179/2016 (9° ATP CLP);
- Biocidal Products Committee (BPC) opinion June 2016
- The E-Pesticide Manual Versione 2.1 (2001)
- Directive 2006/8/CE
- Regulation 1907/2006/CE
- Regulation (CE) 1272/2008
- Regulation (CE) 2016/918
- Regulation (UE) 528/2012
- Regulation (CE) 790/2009 (1° ATP CLP)
- Regulation (UE) 286/2011 (2° ATP CLP)
- Regulation (UE) 618/2012 (3° ATP CLP)
- Regulation (UE) 487/2013 (4° ATP CLP)
- Regulation (UE) 944/2013 (5° ATP CLP)
- Regulation (UE) 605/2014 (6° ATP CLP)
- Regulation (UE) 1221/2015 (7° ATP CLP)
- Regulation (UE) 918/2016 (8° ATP CLP)
- Regulation (UE) 918/2016 (8° ATP CLP)
- Regulation(UE) 1179/2016 (9° ATP CLP)
- Regulation (UE) 776/2017 (10° ATP CLP)
- Directive 2012/18/UE (Seveso III)

**15.2 - Chemical safety assessment**

A chemical safety assessment for the product has been not elaborated.

**SECTION 16: Other information****Notes (section 8):**

**TLV-TWA** (Threshold Limit Value -Time Weighted Average): limit values weighted in 8 hours.

**TLV-STEL** (Threshold Limit Value - Short Time Exposure Limit). **ACGIH** (American Conference of Governmental Industries Hygienists).

**Hazard indication text (H) mentioned on sheet section 3**

Eye Irr.2 - Eye Irritation, Category 2

Flammable Liquid 2 : Flammable liquid, hazard Category 2

Flammable Gas 1 : Flammable gases , hazard category 1

Gas under pressure : gases under pressure

STOT SE 3 - Specific target organ toxicity - single exposure, Category 3

Skin irritant 1 - sensitizing for the skin, Category 1



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- H220 - Highly flammable gas
- H225 - Highly flammable liquid and vapour
- H280 - Contains gas under pressure; may explode if heated
- H317 - May cause an allergic skin reaction
- H319 - Causes serious eye irritation
- H336 - May cause drowsiness or dizziness

**Modified sections:** 3, 16.

**This sheet supersedes all previous versions.**