

SECTION1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name : PURE AIR
Trades code : 012A290516

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

Perfumer environment
Sectors of use:
Professional use[SU22]

Uses advised against
Do not use for purposes other than those listed

1.3. Details of the supplier of the safety data sheet

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Produced by
Allegrini S.p.A.

1.4. Emergency telephone number

Allegrini SpA: Tel. +39 035 4242111 Mon. - Fri. 8.00 - 17.00 GMT +1

SECTION2. Hazards identification

2.1. Classification of the substance or mixture

2.1.1 Classification according to Regulation (EC) No 1272/2008:

Pictograms:
GHS02

Hazard Class and Category Code(s):
Flam. Liq. 3, Aquatic Chronic 3

Hazard statement Code(s):
H226 - Flammable liquid and vapour.
H412 - Harmful to aquatic life with long lasting effects.

The product is a liquid that ignites at temperatures above 21 °C if it exposed to an ignition source.
The product is dangerous to the environment as it is harmful to aquatic life with long lasting effects

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008:

Pictogram, Signal Word Code(s):
GHS02 - Warning

Hazard statement Code(s):
H226 - Flammable liquid and vapour.



H412 - Harmful to aquatic life with long lasting effects.

Supplemental Hazard statement Code(s):
unavailable

Precautionary statements:

Prevention

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P273 - Avoid release to the environment.

Storage

P403+P235 - Store in a well-ventilated place. Keep cool.

Disposal

P501 - Dispose of contents/container in accordance to local regulation.

2.3. Other hazards

The substance / mixture does NOT contain substances PBT/vPvB according to Regulation (EC) No 1907/2006, Annex XIII

No information on other hazards

SECTION3. Composition/information on ingredients

3.1 Substances

Irrrelevant

3.2 Mixtures

Refer to paragraph 16 for full text of hazard statements.

NOTE: SUBSTANCES MARKED WITH (*) HAVE SPECIFIC LIMITS

Substance	Concentration	Classification	Index	CAS	EINECS	REACH
Ethanol (*)	> 10 <= 20%	Flam. Liq. 2, H225; Eye Irrit. 2, H319	603-002-00-5	64-17-5	200-578-6	01-2119457 610-43
Isopropanol (*)	> 5 < 10%	Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336	603-117-00-0	67-63-0	200-661-7	01-2119457 558-25
Amines Oxide	> 0,1 < 1%	Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Dam. 1, H318; Aquatic Acute 1, H400; Aquatic Chronic 2, H411	n.d.	n.d.	931-292-6	01-2119490 061-47
Isotridecanol Ethoxylated (*)	> 0,1 < 1%	Acute Tox. 4, H302; Eye Dam. 1, H318	n.d.	69011-36-5	500-241-6	n.d.
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	> 0,1 < 1%	Acute Tox. 4, H302; Skin Corr. 1B, H314; Aquatic Acute 1, H400; Aquatic Chronic 1, H410	n.d.	68424-85-1	270-325-2	01-2119983 287-23

SECTION4. First aid measures

4.1. Description of first aid measures

Inhalation:

Air the area. Move immediately the contaminated patient from the area and keep him at rest in a well ventilated area.

If you feel unwell seek for medical advice.

Direct contact with skin (of the pure product):

Wash thoroughly with soap and running water.

Direct contact with eyes (of the pure product):

Wash immediately and thoroughly with running water for at least 10 minutes.

Ingestion:

Rinse mouth with water. It's possible to give activated charcoal in water or liquid paraffin medicine.

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

No data available.

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

No data available.

SECTION 5. Firefighting measures

5.1. Extinguishing media

Advised extinguishing agents:

CO2 or dry powder extinguisher

Extinguishing means to avoid:

Water jets. Use water jets only to cool the surfaces of the containers exposed to fire.

5.2. Special hazards arising from the substance or mixture

No data available.

5.3. Advice for firefighters

Use protection for the breathing apparatus

Safety helmet and full protective suit.

The spray water can be used to protect the people involved in the extinction

You may also use selfrespirator, especially when working in confined and poorly ventilated area and if you use halogenated extinguishers (Halon 1211 fluobrene, Solkan 123, NAF, etc...)

Keep containers cool with water spray

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel:

Leave the area surrounding the spill or release. Do not smoke

6.1.2 For emergency responders:

Wear gloves and protective clothing

Eliminate all unattended flames and possible sources of ignition. Do not smoke.

Provision of sufficient ventilation.

Evacuate the danger area and, in case, consult an expert.

6.2. Environmental precautions

Contain spill with earth or sand.

If the product has entered a watercourse in sewers or has contaminated soil or vegetation, notify it to the authorities.
Discharge the remains in compliance with the regulations

6.3. Methods and material for containment and cleaning up

6.3.1 For containment:

Recover the product for reuse, if possible, or for removal. Possibly absorb it with inert material.
Prevent it from entering the sewer system.

6.3.2 For cleaning up:

After wiping up, wash with water the area and materials involved

6.3.3 Other information:

None in particular.

6.4. Reference to other sections

Refer to paragraphs 8 and 13 for more information

SECTION 7. Handling and storage

7.1. Precautions for safe handling

Avoid contact and inhalation of vapors

Do not smoke at work

While working do not eat or drink.

See also paragraph 8 below.

7.2. Conditions for safe storage, including any incompatibilities

Keep in original container closed tightly. Do not store in open or unlabeled containers.

Keep containers upright and safe by avoiding the possibility of falls or collisions.

Store in a cool place, away from sources of heat.

Always store in well ventilated areas.

Never close the container tightly, leave a chance to vent

Keep away from open flames, sparks and heat sources. Avoid direct sunlight exposure.

7.3. Specific end use(s)

Professional use:

Handle with care. Store in a cool place, away from sources of heat. Keep in original container closed tightly.

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Related to contained substances:

Isopropanol (*):

DNEL

Systemic effects Long term Workers inhalation = 500 (mg/m³)

Systemic effects Long term Workers dermal = 888 (mg/kg bw/day)

Systemic effects Long term Consumers inhalation = 89 (mg/m³)

Systemic effects Long term Consumers dermal = 319 (mg/kg bw/day)

Systemic effects Long term Consumers oral = 26 (mg/kg bw/day)

PNEC

Sweet water = 140,9 (mg/l)

sediment Sweet water = 552 (mg/kg/sediment)

Sea water = 140,9 (mg/l)
 sediment Sea water = 992 (mg/kg/sediment)
 intermittent emissions = 140,9 (mg/l)
 ground = 28 (mg/kg ground)

Use adequate protective respiratory equipment (EN 141)

Amines Oxide

DNEL

Systemic effects Long term Workers inhalation = 6,2 (mg/m3)
 Systemic effects Long term Workers dermal = 11 (mg/kg bw/day)
 Systemic effects Long term Consumers inhalation = 1,53 (mg/m3)
 Systemic effects Long term Consumers dermal = 5,5 (mg/kg bw/day)
 Systemic effects Long term Consumers oral = 0,44 (mg/kg bw/day)

PNEC

Sweet water = 0,0335 (mg/l)
 sediment Sweet water = 5,24 (mg/kg/sediment)
 Sea water = 0,00335 (mg/l)
 sediment Sea water = 0,524 (mg/kg/sediment)
 STP = 24 (mg/l)
 ground = 1,02 (mg/kg ground)

Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides

DNEL

Systemic effects Long term Workers inhalation = 3,96 (mg/m3)
 Systemic effects Long term Workers dermal = 5,7 (mg/kg bw/day)
 Systemic effects Long term Consumers inhalation = 1,64 (mg/m3)
 Systemic effects Long term Consumers dermal = 3,4 (mg/kg bw/day)
 Systemic effects Long term Consumers oral = 3,4 (mg/kg bw/day)

PNEC

Sweet water = 0,0009 (mg/l)
 sediment Sweet water = 12,27 (mg/kg/sediment)
 Sea water = 0,00096 (mg/l)
 sediment Sea water = 13,09 (mg/kg/sediment)
 intermittent emissions = 0,00016 (mg/l)
 STP = 0,4 (mg/l)
 ground = 7 (mg/kg ground)

8.2. Exposure controls

Appropriate engineering controls:

Professional use:

No specific control provided

Individual protection measures:

(a) Eye / face protection
 Wear mask

(b) Skin protection

(i) Hands protection
 Not needed for normal use.

(ii) Other
 Wear normal work clothing.

(c) Respiratory protection

Use adequate protective respiratory equipment (EN 141).



PURE AIR

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6 / 11

In conformity to Regulation (EU) 2015/830

(d) Thermal hazards
No hazard to report

Environmental exposure controls:
Use according to good working practices to avoid pollution into the environment.

SECTION9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical and chemical properties	Value	Determination method
Appearance	Light rose clear liquid	
Odour	Scented / alcoholic	
Odour threshold	unavailable	
pH	approx. 6.5	
Melting point/freezing point	< 0°C	
Initial boiling point and boiling range	approx. 100 °C	
Flash point	35°C	ASTM D92
Evaporation rate	unavailable	
Flammability (solid, gas)	non flammable	
Upper/lower flammability or explosive limits	unavailable	
Vapour pressure	unavailable	
Vapour density	unavailable	
Relative density	0.97 g/ml	
Solubility	in water	
Water solubility	complete	
Partition coefficient: n-octanol/water	unavailable	
Auto-ignition temperature	unavailable	
Decomposition temperature	unavailable	
Viscosity	unavailable	
Explosive properties	not explosive	
Oxidising properties	non-oxidizing	

9.2. Other information

No data available.

SECTION10. Stability and reactivity

10.1. Reactivity

No reactivity hazard.

10.2. Chemical stability

The product is stable.

10.3. Possibility of hazardous reactions

There are no hazardous reactions

10.4. Conditions to avoid

Avoid contact with combustible materials. The product could catch fire. heat, open flames, sparks or hot surfaces.

10.5. Incompatible materials

None known.

10.6. Hazardous decomposition products

It does not decompose when used for intended uses.

SECTION 11. Toxicological information

11.1. Information on toxicological effects

ATE(mix) oral = 101.892,1 mg/kg

ATE(mix) dermal = n.d.

ATE(mix) inhal = n.d.

- (a) acute toxicity: based on available data, the classification criteria are not satisfied.
- (b) skin corrosion/irritation based on available data, the classification criteria are not satisfied.
- (c) serious eye damage/irritation: based on available data, the classification criteria are not satisfied.
- (d) respiratory or skin sensitization: based on available data, the classification criteria are not satisfied.
- (e) germ cell mutagenicity: based on available data, the classification criteria are not satisfied.
- (f) carcinogenicity: based on available data, the classification criteria are not satisfied.
- (g) reproductive toxicity: based on available data, the classification criteria are not satisfied.
- (h) specific target organ toxicity (STOT) single exposure: based on available data, the classification criteria are not satisfied.
- (i) specific target organ toxicity (STOT) repeated exposure: based on available data, the classification criteria are not satisfied.
- (j) aspiration hazard: based on available data, the classification criteria are not satisfied.

Related to contained substances:

Ethanol (*):

LD50 (rat) Oral (mg/kg body weight) = 10470

LD50 Dermal (rat or rabbit) (mg/kg body weight) = 20000

CL50 Inhalation (rat) vapour/dust/mist/fume (mg/l/4h) or gas (ppmV/4h) = 124,7

Isopropanol (*):

LD50 (rat) Oral (mg/kg body weight) = 5,84

LD50 Dermal (rat or rabbit) (mg/kg body weight) = 16,4

Amines Oxide:

LD50 (rat) Oral (mg/kg body weight) = 2000

LD50 Dermal (rat or rabbit) (mg/kg body weight) = 2000

Isotridecanol Ethoxylated (*):

LD50 (rat) Oral (mg/kg body weight) = 2000

LD50 Dermal (rat or rabbit) (mg/kg body weight) = 2000

CL50 Inhalation (rat) vapour/dust/mist/fume (mg/l/4h) or gas (ppmV/4h) = 1,6

Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides:

LD50 (rat) Oral (mg/kg body weight) = 397,5

LD50 Dermal (rat or rabbit) (mg/kg body weight) = 800

SECTION 12. Ecological information

12.1. Toxicity

Related to contained substances:

Ethanol (*):

LD50 (fish): > 12000 mg/l (96h)

EC50 (daphnia): > 10000 mg/l (48h)

EC50 (algae): > 200 mg/l (72h)

Amines Oxide:

LC50 (fish) : > 2.67 mg/l (96h)

NOEC (fish) : 0.495 mg/l (15d)

EC50 (daphnia) : > 3 mg/l (48h)

EC50 (algae) : > 0.2 mg/l (72h)

Isotridecanol Ethoxylated (*):

LC50 (fish) : 4.6 mg/l (96h)

EC50 (daphnia) : 1.5 mg/l (48h)

EL50 (algae) : 2.5 mg/l (72h)

EC50 (microorganisms) > 10 g/l (16.9h)

Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides:

LC50 (fish): 0.85 mg/l (96h)

EC50 (daphnia): 0.016 mg/l (48h)

NOEC (daphnia): 0.025 mg/l (21d)

EC10 (algae): 0.0025 mg/l (72h)

EC50 (algae): 0.02 mg/l (72h)

EC 20 (microorganisms): 5 mg/l (30 min)

The product is dangerous for the environment as it is toxic for aquatic organisms following acute exposure.

Use according to good working practices to avoid pollution into the environment.

12.2. Persistence and degradability

Related to contained substances:

Amines Oxide:

Degradability 90% (28d) (OECD Guideline 301 B)

Isotridecanol Ethoxylated (*):

Not ready biodegradable.

Degradability: 60.2% (28d) (OECD Guideline 301 B)

Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides:

Biodegradability: > 60% (OECD 301 D)

12.3. Bioaccumulative potential

Related to contained substances:

Isotridecanol Ethoxylated (*):

BCF : 232.5 l/Kg (24h)

Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides:
BCF: 2.88 (OECD 107)

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

The substance / mixture does NOT contain substances PBT/vPvB according to Regulation (EC) No 1907/2006, Annex XIII

12.6. Other adverse effects

No adverse effects

SECTION13. Disposal considerations

13.1. Waste treatment methods

Do not reuse empty containers. Dispose of them in accordance with the regulations in force. Any remaining product should be disposed of according to applicable regulations by addressing to authorized companies.

Recover if possible. Send to authorized discharge plants or for incineration under controlled conditions. Operate according to local and National rules in force

SECTION14. Transport information

14.1. UN number

ADR/RID/IMDG/ICAO-IATA: 1987

If subject to the following characteristics is ADR exempt:

Combination packagings: per inner packaging 5 L per package 30 Kg

Inner packagings placed in shrink-wrapped or stretch-wrapped trays: per inner packaging 5 L per package 20 Kg



14.2. UN proper shipping name

ADR/RID/IMDG: ALCOLI, N.A.S. (Etanolo, Isopropanolo)

ADR/RID/IMDG: ALCOHOLS, N.O.S. (Ethyl alcohol, Isopropanol)

ICAO-IATA: ALCOHOLS, N.O.S. (Ethyl alcohol, Isopropanol)

14.3. Transport hazard class(es)

ADR/RID/IMDG/ICAO-IATA: Class : 3

ADR/RID/IMDG/ICAO-IATA: Label : 3

ADR: Tunnel restriction code : D/E

ADR/RID/IMDG/ICAO-IATA: Limited quantities : 5 L

IMDG - EmS : F-E, S-D

14.4. Packing group

ADR/RID/IMDG/ICAO-IATA: III

14.5. Environmental hazards

ADR/RID/ICAO-IATA: Product is not environmentally hazardous

IMDG: Marine polluting agent : Not

14.6. Special precautions for user

Transport must be executed through vehicles authorized for transport of dangerous goods, according to regulations of current edition of agreement A.D.R. and to national dispositions applicable.

Transport must be done in original packaging and, however, they must be made of materials unassailable by the content and not able to create dangerous reactions. Staff assigned to loading and unloading of dangerous goods must be well educated to hazards of the product and procedures to be adopted in case of emergency situation.

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

It is not intended to carry bulk

SECTION 15. Regulatory information

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

D.Lgs. 3/2/1997 n. 52 (Classification, packaging and labelling of dangerous substances). D.Lgs 14/3/2003 n. 65 (Classification, packaging and labelling of dangerous preparations). D.Lgs. 2/2/2002 n. 25 (Risks derived from chemical agents during work). D.M. Labour 26/02/2004 (Limits for professional exposure). D.M. 03/04/2007 (Fulfillment of EU regulation 2006/8). EU Regulation n. 1907/2006 (REACH), Regulation (CE) n. 1272/2008 (CLP). Regulation (CE) n.790/2009.D.Lgs. 21/09/2005 n. 238 (Direttiva Seveso Ter). Seveso category: P5c - FLAMMABLE LIQUIDS

15.2. Chemical safety assessment

No chemical safety assessment was carried out by the supplier

SECTION 16. Other information

16.1. Other information

Points modified compared to previous release: 1.2. Relevant identified uses of the substance or mixture and uses advised against, 1.4. Emergency telephone number, 2.1. Classification of the substance or mixture, 2.2. Label elements, 2.3. Other hazards, 3.2 Mixtures, 4.1. Description of first aid measures, 4.3. Indication of any immediate medical attention and special treatment needed, 5.1. Extinguishing media, 6.1. Personal precautions, protective equipment and emergency procedures, 6.3. Methods and material for containment and cleaning up, 7.1. Precautions for safe handling, 7.2. Conditions for safe storage, including any incompatibilities, 8.1. Control parameters, 8.2. Exposure controls, 10.1. Reactivity, 10.2. Chemical stability, 10.4. Conditions to avoid, 10.5. Incompatible materials, 11.1. Information on toxicological effects, 12.1. Toxicity, 12.2. Persistence and degradability, 12.3. Bioaccumulative potential, 13.1. Waste treatment methods, 14.1. UN number, 14.2. UN proper shipping name, 14.3. Transport hazard class(es), 14.4. Packing group, 14.5. Environmental hazards, 14.6. Special precautions for user, 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Description of the hazard statements exposed to point 3

H225 = Highly flammable liquid and vapour.

H319 = Causes serious eye irritation.

H336 = May cause drowsiness or dizziness.

H302 = Harmful if swallowed.

H315 = Causes skin irritation.

H318 = Causes serious eye damage.

H400 = Very toxic to aquatic life.

H411 = Toxic to aquatic life with long lasting effects.

H412 = Harmful to aquatic life with long lasting effects.

H314 = Causes severe skin burns and eye damage.

H410 = Very toxic to aquatic life with long lasting effects.

PURE AIR

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11 / 11

In conformity to Regulation (EU) 2015/830

Classification based on data of all mixture components

Main regulatory references:

EC Regulation 1907/2006 of the European Parliament (REACH) and subsequent updates

EC Regulation 1272/2008 of the European Parliament (CLP) and subsequent updates

EC Regulation 830/2015 of the European Parliament and subsequent updates

EC Regulation 648/2004 of the European Parliament and subsequent updates

The data contained in the present Safety Information Sheet is based on our current knowledge and provides information regarding the safe management and handling of the product. The present document is not a Certificate of Analysis, nor a technical information sheet, nor does it constitute an agreement regarding the specifications of the product.

***This data sheet annuls and substitutes each previous version.
