

SAFETY DATA SHEET

according to Regulation No. 1907/2006 of the European Parliament and of the Council, as subsequently amended

ATGREEN inhalation oxygen - Herbal

Date of issue:

28. 05. 2025

Version: 1.0

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

1.1. Product identifier

Product Name

ATGREEN inhalation oxygen - Herbal

Product code

None

Mixture description

A mixture of oxygen and herbs.

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

Identified uses

Inhaled oxygen.

Uses advised against

Not known. It is recommended to use it only for the intended use. Other uses may expose users to unpredictable risks.

1.3. Details of the supplier of the safety data sheet

Donnerstag trade s.r.o.

Nademlejnská 600/1

19800 Praha

Czech Republic

telephone: +420 727 898 513

e-mail address for a competent person responsible for the SDS: obchod@atgreen.cz

1.4. Emergency telephone number

112 (General emergency phone).

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

The mixture is classified as **hazardous** according to regulation 1272/2008/EC.

Classification according to 1272/2008/EC

Ox. Gas. 1; H270

Press. Gas (Comp.); H280

Full text of classifications and H-phrases: see section 16.

The most important adverse physical, human health and environmental effects

May cause or intensify fire; oxidiser. Contains gas under pressure; may explode if heated.

2.2. Label elements

Hazard pictograms

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Signal word

Danger

Substances of the mixture to be placed on the label

Are not.

Hazard statements

H270 May cause or intensify fire; oxidiser.

H280 Contains gas under pressure; may explode if heated.

Precautionary statements

P220 Keep away from clothing and other combustible materials.

P244 Keep valves and fittings free from oil and grease.

P370+P376 In case of fire: Stop leak if safe to do so.

P403 Store in a well-ventilated place.

P410 Protect from sunlight.

P501 Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

Supplemental hazard information

Mandatory additional information is not required according to CLP regulation.

2.3. Other hazards

Mixture does not contain substance(s) meeting the criteria for persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) in accordance with Annex XIII of REACH regulation. The mixture and its substances are not mentioned on the Candidate list for possible inclusion in Annex XIV of REACH at the date of the revision of the safety data sheet (established in accordance with Article 59(1) of REACH regulation. Mixture does not contain the substance(s) identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

3.2.1. Substances of a mixture classified as hazardous

Identification of substance	Content wt. %	Classification according to 1272/2008/EC
Oxygen		

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CAS Number	7782-44-7		
EC Number	231-956-9		
Index Number	008-001-00-8		
Registration Number	listed in Annex V of Regulation 1907/2006/EC (REACH), not subject to registration.	< 100	Ox. Gas. 1; H270 Press. Gas (Comp.); H280

Full text of classifications and H-phrases: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation

The product is intended for inhalation.

Skin contact

No harmful effects are expected from this product.

Eye contact

No harmful effects are expected from this product.

Ingestion

Ingestion is not considered a potential route of exposure.

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

Breathing 75 percent or more oxygen at atmospheric pressure for more than a few hours may cause nasal stuffiness, cough, sore throat, nausea, chest pain, and breathing difficulty.

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

Treat symptomatically and supportively.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Water. Dry powder. Foam. Carbon dioxide.

Unsuitable extinguishing media

Solid streams of water may be ineffective.

5.2. Special hazards arising from the substance or mixture

Oxidizing agent.

In case of fire extinguishing prevent leakage of water and rest of product into drains. Collect them separately and dispose of safely in accordance with current legislation and applicable local regulations.

5.3. Advice for firefighters

Heating may cause containers to explode.

In case of fire: Stop leak if safe to do so. Cool continuously with water from a protected location until container has cooled. Use extinguishing media to extinguish fire. Remove sources of ignition or allow to burn out.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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Stop leak if safe to do so. Prevent gas from entering sewers, basements and places where it is dangerous to accumulate oxygen. Provide adequate ventilation. Notify relevant emergency services.

6.2. Environmental precautions

Prevent further leakage or spillage if doing so involves no risk. Keep unauthorized persons away from the area of leakage.

6.3. Methods and material for containment and cleaning up

Ensure adequate ventilation.
Do not force open containers.

6.4. Reference to other sections

Refer also to the provisions of sections 7, 8 and 13 of this safety data sheet.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Protect cylinders from physical damage; do not drag, roll, slide or drop. While moving cylinder, always keep in place removable valve cover. Never attempt to lift a cylinder by its cap; the cap is intended solely to protect the valve. High temperatures may damage the container and could cause the pressure relief device to fail prematurely, venting the container contents.

7.2. Conditions for safe storage, including any incompatibilities

Store in original, tightly closed containers, in a dry, cool and well-ventilated place at room temperature. Do not store together with incompatible materials (see subsection 10.5), food, drink and feed.

7.3. Specific end use(s)

See subsection 1.2.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Exposure limit value

Not determined.

8.1.2. Biological limit values

Not determined in EU.

8.1.3. DNEL and PNEC values

Not determined.

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Avoid oxygen rich (> 23.5 %) atmospheres. Use a local exhaust system with sufficient flow velocity to maintain an adequate supply of air in the worker's breathing zone.

8.2.2. Individual protection measures, such as personal protective equipment

Do not eat, drink or smoke. After work, wash thoroughly with warm water and soap and take a shower. Use protective cream. Do not soiled protective equipment to wash, do not use solvents.

Eye/face protection

Wear safety goggles or face shield when manufacturing and handling the product (EN 166, EN 149+A1).

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Skin protection - hand protection

Wear protective gloves when manufacturing and handling the product (EN 374-1, EN 374-2).

The selection of the glove material on consideration of the breakthrough time, permeability, degradation and next relevant factors; other chemicals that may come into contact, physical requirements (cut and puncture protection, dexterity, thermal protection), possible body reactions to the glove material and the glove supplier's instructions and specifications. In case of repeated use of gloves, clean and keep them in a well-ventilated place before taking off.

Skin protection - other

Suitable protective working clothing and protective footwear.

Respiratory protection

Not required.

Thermal hazards

In normal use, it is not necessary to use protective equipment to be worn for materials that represent a thermal hazard.

8.2.3. Environmental exposure controls

Uncontrolled release of the mixture into environment is to be avoided. Keep the emission limits according to national legislation.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Mixture

Physical state	Gas (compressed).
Colour	Colourless.
Odour	Characteristic, with a hint of mint.
Melting point/freezing point	-219 °C.
Boiling point or initial boiling point and boiling range	-183 °C.
Flammability	The mixture is not classified as flammable under standard conditions.
Lower explosion limit	Not determined.
Upper explosion limit	Not determined.
Flash point	Does not apply to gas.
Auto-ignition temperature	Not determined.
Decomposition temperature	Not determined, the mixture does not contain self-reactive substances or organic peroxides or other substances which may decompose.
pH	Does not apply to gas.
Kinematic viscosity	Does not apply to gas.
Solubility	39 mg/l vody (20 °C).
Partition coefficient n-octanol/water (log value)	Does not apply to mixtures.
Vapour pressure	Not determined.

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Density and/or relative density

Not determined.

Relative vapour density

Not determined.

Particle characteristics

Does not apply to gas.

9.2. Other information

9.2.1. Information with regard to physical hazard classes

Gas/vapor heavier than air. May accumulate in confined spaces, particularly at or below ground level.

Mixture

Explosives

Data for the mixture are not available.

The mixture does not contain substances classified as explosives or oxidising, or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

Flammable gases

Data for the mixture are not available.

The mixture does not contain substances classified as flammable gases or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

Aerosols

It is not aerosol.

Oxidising gases

Data for the mixture are not available.

The mixture is classified as oxidising gas category 1.

Gases under pressure

Data for the mixture are not available.

Compressed gas.

Flammable liquids

It is not liquid.

Flammable solids

It is not solid.

Self-reactive substances and mixtures

It is not liquid or solid.

Pyrophoric liquids

It is not liquid.

Pyrophoric solids

It is not solid.

Self-heating substances and mixtures

It is not liquid or solid.

Substances and mixtures, which emit flammable gases in contact with water

It is not liquid or solid.

Oxidising liquids

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It is not liquid.

Oxidizing solids

It is not solid.

Organic peroxides

It is not liquid or solid.

Corrosive to metals

It is not liquid or solid.

Desensitised explosives

It is not liquid or solid.

9.2.2. Other safety characteristics

<i>Mechanical sensitivity</i>	Not determined, it is not an explosive substance.
<i>Self-accelerating polymerisation temperature</i>	Not determined, it is not a polymerising substance.
<i>Formation of explosible dust/air mixtures</i>	Not determined, it is not a dust.
<i>Acid/alkaline reserve</i>	Not determined.
<i>Evaporation rate</i>	Not determined.
<i>Miscibility</i>	Not determined.
<i>Conductivity</i>	Not determined.
<i>Corrosiveness</i>	Not determined.
<i>Gas group</i>	Not determined.
<i>Redox potential</i>	Not determined.
<i>Radical formation potential</i>	Not determined.
<i>Photocatalytic properties</i>	Not determined.

SECTION 10: Stability and reactivity

10.1. Reactivity

The mixture is stable under normal conditions of use. There aren't any hazardous reaction.

10.2. Chemical stability

Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

Violently oxidizes organic material.

10.4. Conditions to avoid

Heating may cause containers to explode.

10.5. Incompatible materials

Flammable materials. Reducing agents. Keep equipment free of oil and grease.

10.6. Hazardous decomposition products

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

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SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Mixture

Acute toxicity

The mixture is not classified as toxic for all routes of exposure.

Oral

Data for the mixture are not available.

The mixture does not contain relevant substances classified as an acute toxicity by oral route of exposure or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

Dermal

Data for the mixture are not available.

The mixture does not contain relevant substances classified as an acute toxicity by dermal route of exposure or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

Inhalation

Data for the mixture are not available.

The mixture does not contain relevant substances classified as an acute toxicity by inhalation route of exposure or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

Skin corrosion/irritation

Data for the mixture are not available.

The mixture does not contain relevant substances classified as hazardous to skin or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

Serious eye damage/irritation

Data for the mixture are not available.

The mixture does not contain relevant substances classified as hazardous to eye or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

Respiratory or skin sensitisation

Data for the mixture are not available.

The mixture does not contain substances classified as sensitizing or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

Germ cell mutagenicity

Data for the mixture are not available.

The mixture does not contain substances classified as mutagenicity or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

Carcinogenicity

Data for the mixture are not available.

The mixture does not contain substances classified as carcinogenicity or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

Reproductive toxicity

Data for the mixture are not available.

The mixture does not contain substances classified as toxic for reproduction or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

STOT – single exposure

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Data for the mixture are not available.

The mixture does not contain substances classified as toxic for specific target organs in a single exposure or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

STOT – repeated exposure

Data for the mixture are not available.

The mixture does not contain substances classified as toxic for specific target organs in a repeated exposure or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

Aspiration hazard

Data for the mixture are not available.

The mixture does not contain substances classified as aspiration hazard or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

Other information

See sections 2 and 4.

11.2. Information on other hazards

Mixture does not contain substance(s) meeting the criteria for persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) in accordance with Annex XIII of REACH regulation. The mixture and its substances are not mentioned on the Candidate list for possible inclusion in Annex XIV of REACH at the date of the revision of the safety data sheet and given in the list (established in accordance with Article 59(1) for having endocrine disrupting properties of REACH regulation.

Mixture does not contain the substance(s) identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605. There is no other relevant information on adverse health effects that is not required according to the classification criteria set out in CLP Regulation.

SECTION 12: Ecological information

12.1. Toxicity

Mixture

Data for the mixture are not available.

Acute aquatic toxicity

The mixture does not contain relevant substances classified as acute aquatic toxicity or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

Chronic aquatic toxicity

The mixture does not contain relevant substances classified as a chronic aquatic toxicity or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

12.2. Persistence and degradability

Mixture

Data for the mixture are not available.

12.3. Bioaccumulative potential

Mixture

Data for the mixture are not available.

12.4. Mobility in soil

Mixture

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Data for the mixture are not available.

12.5. Results of PBT and vPvB assessment

Mixture does not contain substance(s) meeting the criteria for persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) in accordance with Annex XIII of REACH Regulation. The mixture and its substances are not mentioned on the Candidate list for possible inclusion in Annex XIV of REACH at the date of the revision of the safety data sheet (established in accordance with Article 59(1) of REACH Regulation.

12.6. Endocrine disrupting properties

The mixture and its substances are not mentioned on the Candidate list for possible inclusion in Annex XIV of REACH at the date of the revision of the safety data sheet (established in accordance with Article 59(1) of REACH Regulation. Mixture does not contain the substance(s) identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

12.7. Other adverse effects

Data are not available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal methods of the substance or mixture and the contaminated packaging

Dispose according to the applicable European and local regulations (eg. in a hazardous waste incinerator). Do not empty unused product into drainage systems. Do not contaminate ponds or ditches with the product or used container. Hand over the residual amounts and solutions to a licensed disposal company.

Hand over the remaining quantities to an authorized person (specialized company with authorization) or to the collection yard in the hazardous waste section according to the worker's instructions.

Possible waste code

16 05 04* - gases in pressure containers (including halons) containing hazardous substances

Physical/chemical properties that may affect waste treatment options

Gas under pressure.

Special precautions recommended for waste management

Not known.

Waste legislation

Directive 2008/98/EC on waste and repealing certain Directives, as amended.

SECTION 14: Transport information

14.1. UN number or ID number

UN 2037.

14.2. UN proper shipping name

RECEPTACLES, SMALL, CONTAINING GAS (GAS CARTRIDGES) (Oxygen).

14.3. Transport hazard class(es)

2

14.4. Packing group

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Not given.

14.5. Environmental hazards

It is not dangerous for the environment during transport.

14.6. Special precautions for user

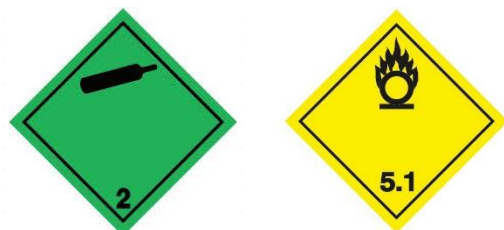
Not given.

14.7. Maritime transport in bulk according to IMO instruments

Not available.

14.8. Other information

Labeling according to ADR



Additional data for ADR/RID

Classification code	5O
Labels	2.2 + 5.1
Hazard identification code	Not given.
Tunnel restriction code	E (ADR), - (RID)
Limited quantities	1 I
Excepted quantities	Not permitted as excepted quantities.
Transport category	3.

Additional data for IMDG

Emergency Schedules (EmS)	F-D, S-U.
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SECTION 15: Regulatory information

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

Regulation No. 1907/2006/EC, concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals, as amended (REACH)

Regulation No. 1272/2008/EC, on Classification, Labelling and Packaging of substances and mixtures, as amended (CLP)

Regulation No. 528/2012/EC concerning the making available on the market and use of biocidal products, as amended

Regulation No. 648/2004/EC on detergents, as amended

15.2. Chemical safety assessment

It has not been carried out for mixture.

SECTION 16: Other information

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Reason for the revision of the safety data sheet

First edition.

Key or legend to abbreviations and acronyms

Ox. Gas. 1	Oxidising gas, cat. 1
Press. Gas (Comp.)	Compressed gas
ADR	Accord Dangereuses Route
CLP	Regulation No. 1272/2008/EC, on Classification, Labelling and Packaging of substances and mixtures
DNEL	Derived No Effect Level
ICAO/IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
PBT	Persistent, bioaccumulative, toxic substance
PNEC	Predicted No Effect Concentration
REACH	Regulation No. 1907/2006/EC, concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Regulation concerning the International Carriage of Dangerous Goods by Rail
STOT	Specific target organ toxicity
vPvB	Very persistent and very bioaccumulative substance

Sources of key data used to compile the Safety Data Sheet

European legislation, manufacturer's safety data sheet, registration dossier of substances.

List of H- and P- phrases

H270	May cause or intensify fire; oxidiser.
H280	Contains gas under pressure; may explode if heated.
P220	Keep away from clothing and other combustible materials.
P244	Keep valves and fittings free from oil and grease.
P370+P376	In case of fire: Stop leak if safe to do so.
P403	Store in a well-ventilated place.
P410	Protect from sunlight.
P501	Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

Training advice

According to SDS.

Other information

Classification according to data from the manufacturer. The mixture is classified using calculation methods according to Regulation CLP and tests. Use only for the purposes designated by the manufacturer, will prevent health and environmental risks.

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The information in this safety data sheet has been prepared according to the best available knowledge. The safety data sheet has been compiled in good faith but without guarantee. Various factors may influence properties under specific conditions. It is the responsibility of the product user to assess the accuracy of the information for their specific application. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

The safety data sheet is prepared in accordance with Regulation No. 2020/878/EC. There is no additional information in accordance with the local and national legislation of the Member State in the European Union, in the safety data sheet.

The safety data sheet was prepared by LACHEPRA s.r.o.