	<b>SAFETY DATASHEET</b>	Page : 1/10
		Revised edition n° : 10.1
		Revision date : 04/2024
<b>Compressed air - Synthetic air</b>		<b>MTG00A</b>

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

**1.1. Product identifier**

Trade name	Compressed air - synthetic air
Chemical description	Compressed air
CAS N°	132259-10-0
CE N°	--
Index N°	--
Registration n°	No registration number available for this substance because this substance or its uses are exempt from registration
Chemical formula	Air

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

Relevant identified uses	Industrial and professional Test gas/Calibration gas Purging Laboratory use Contact supplier for more information on uses
Uses advised against	For use by industrial or professional users only

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

Company identification	MULTIGAS Route de l'Industrie 102 CH-1564 Domdidier
Phone number	+41 (0) 26 676 94 94
E-mail address	<a href="mailto:info@multigas.ch">info@multigas.ch</a>

**1.4. Emergency telephone numbers**

145 (Toxicology Centre Zurich) or +41 (0) 44 251 51 51  
+41 (0) 26 676 94 94 (Multigas)


**SECTION 2: Hazards identification**

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

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Gases under pressure : Compressed gas

H280

	<b>SAFETY DATASHEET</b>	Page : 2/10
		Revised edition n° : 10.1
		Revision date : 04/2024
<b>Compressed air - Synthetic air</b>		<b>MTG00A</b>

For the complete H-sentences texts mentioned in that chapter, refer to Section 16

## **2.2. Label elements**

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms



GHS04

Signal word

Warning

Hazard statements

H280 Contains gas under pressure; may explode if heated

Precautionary statements

P410+403 Protect from sunlight. Store in a well-ventilated place

## **2.3. Other hazards**

None

## **SECTION 3: Composition/information on ingredients**

### **3.1. Substances**

Name	Product identifier	Concentration	Classification
Nitrogen	(CAS-No.) 7727-37-9 (EC-No.) 231-783-9 (EC Index-No.) (REACH-no) --	79%	Press. Gas (Comp.), H280
Oxygen	(CAS-No.) 7782-44-7 (EC-No.) 231-956-9 (EC Index-No.) 008-001-00-8 (REACH-no) --	21%	Ox. Gas 1, H270 Press. Gas (Comp.), H280

For the complete H-sentences texts mentioned in that chapter, refer to Section 16

Contains no other components or impurities which will influence the classification of the product

### **3.2. Mixtures**

Not established

**Compressed air - Synthetic air**

**MTG00A**

**SECTION 4: First aid measures**

**4.1. Description of first aid measures**

<b>General advice</b>	Adverse effects not expected from this product
<b>In case of inhalation</b>	Adverse effects not expected from this product
<b>In case of skin contact</b>	Adverse effects not expected from this product
<b>In case of eyes contact</b>	Adverse effects not expected from this product
<b>In case of ingestion</b>	Ingestion is not considered a potential route of exposure

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

No effect on living tissue.  
 Refer to section 11

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

None

**SECTION 5: Firefighting measures**

**5.1. Extinguishing media**

<b>Suitable extinguishing media</b>	Water spray or water mist. Dry powder. Carbon dioxide. Foam
<b>Unsuitable extinguishing media</b>	Do not use water jet to extinguish

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

<b>Specific hazards</b>	Supports combustion Exposure to fire may cause containers to rupture/explode
<b>Hazardous combustion products</b>	None


**5.3. Additional information**

Cool endangered receptacles with water spray jet from a protected position

**SECTION 6: Accidental release measures**

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

Evacuate personnel to a safe place  
 Personal protective equipment, see section 8

	<b>SAFETY DATASHEET</b>	Page : 4/10
		Revised edition n° : 10.1
		Revision date : 04/2024
<b>Compressed air - Synthetic air</b>		<b>MTG00A</b>

**6.2. Environmental precautions**

-

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

-

**6.4. Reference to other sections**

See also sections 8 and 13

**SECTION 7: Handling and storage**

**7.1. Precautions for safe handling**

For precautions, see section 2.2

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

Store in a cool place. Keep container tightly closed in a dry and well-ventilated place

Content under pressure

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

None

**SECTION 8: Exposure controls/personal protection**

**8.1. Control parameters**


**Components with occupational exposure limits**

Component	CAS N°	Exposure value type	Control parameter	Source
Air	132259-10-0	TWA	-	No occupational exposure limit value
			-	
		OEL	-	
			-	

**8.2. Exposure controls**

**8.2.1. Appropriate engineering controls**

Provide adequate general and local exhaust ventilation

	<b>SAFETY DATASHEET</b>	Page : 5/10
		Revised edition n° : 10.1
		Revision date : 04/2024
<b>Compressed air - Synthetic air</b>		<b>MTG00A</b>

### 8.2.2. Individual protection measures, e.g. personal protective equipment

<b>Eye/face protection</b>	Wear goggles and a face shield when transfilling or breaking transfer connections. Standard EN 166
<b>Skin / hand protection</b>	Wear protective gloves when handling gas cylinders. Standard EN 388- Protective gloves against mechanical hazards
<b>Respiratory protection</b>	Self-contained breathing apparatus (SCBA) or positive pressure air mask must be used in oxygenated atmospheres. Standard EN 137

### 8.2.3. Environmental exposure controls

Avoid any spill or leak if it can be done safely

## SECTION 9: Physical and chemical properties

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

#### Appearance

<ul style="list-style-type: none"> <li>Physical state at 20°C / 101.3kPa</li> <li>Colour</li> </ul>	<p>Gas</p> <p>Colourless</p>
<b>Odour</b>	No data available
<b>Odour threshold</b>	No data available
<b>pH</b>	No data available
<b>Melting point / Freezing point</b>	-189°C
<b>Boiling point</b>	No data available
<b>Flash point</b>	No data available
<b>Evaporation rate</b>	No data available
<b>Flammability (solid, gas)</b>	No data available
<b>Explosive limits</b>	No data available
<b>Vapour pressure [20°C]</b>	No data available
<b>Vapour pressure [50°C]</b>	No data available
<b>Vapour density</b>	No data available
<b>Relative density, liquid (water=1)</b>	No data available
<b>Relative density, gas (air=1)</b>	1
<b>Water solubility</b>	No data available
<b>Partition coefficient n-octanol/water (Log Kow)</b>	No data available
<b>Auto-ignition temperature</b>	No data available
<b>Decomposition temperature</b>	No data available

**Compressed air - Synthetic air**

**MTG00A**

Viscosity	No data available
Explosive properties	No data available
Oxidising properties	No data available

**9.2. Other information**

Molar mass	29 g/mol
Critical temperature [°C]	No data available
Relative vapour density	1

**SECTION 10: Stability and reactivity**

**10.1. Reactivity**

No reactivity hazard other than the effects described in sub-sections below

**10.2. Chemical stability**

Stable under recommended storage conditions

**10.3. Possibility of hazardous reactions**

No data available

**10.4. Conditions to avoid**

Avoid moisture in installation systems

**10.5. Incompatible materials**

None  
 For additional information on compatibility refer to ISO 11114

**10.6. Hazardous decomposition products**

None

**SECTION 11: Toxicological information**

**11.1. Chemical safety assessment**

Acute toxicity	No data available
Skin corrosion/irritation	No data available
Serious eye damage/irritation	No data available
Respiratory or skin sensitisation	No data available
Germ cell mutagenicity	No data available

**Compressed air - Synthetic air**

**MTG00A**

<b>Carcinogenicity</b>	No data available
<b>Reproductive toxicity</b>	No data available
<b>STOT-single exposure – Target organ(s)</b>	No data available
<b>STOT-repeated exposure</b>	No data available
<b>Ingestion hazard</b>	No data available

**11.2 Information on other hazards**

The substance/mixture does not have endocrine disrupting properties

**SECTION 12: Ecological information**

**12.1. Toxicity**

**Assessment** Classification criteria are not met

**12.2. Persistence and degradability**

No data available

**12.3. Bioaccumulative potential**

No data available

**12.4. Mobility in soil**

No data available

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

PBT / vPvB assessment is not available because the chemical safety assessment is not required / is not conducted

**12.6. Endocrine-disrupting properties**

The substance/mixture does not have endocrine disrupting properties

**12.7. Other adverse effects**

No environmental damage caused by this product

**Effect on the ozone layer** No known effect

Potential to destroy the ozone layer None

**Effect on global warming** No known effects of this product

Global warming potential None

**Compressed air - Synthetic air**

**MTG00A**

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

<b>Product</b>	May be vented to atmosphere Return unused product in original cylinder to supplier
<b>Contaminated container</b>	Eliminate as unused product Contact the supplier if instructions are needed
<b>OMoD Code</b>	16 05 05 Gases in pressure containers other than those mentioned in 16 05 04

**SECTION 14: Transport information**

**14.1. UN number**

Transport par road/rail ADR / RID	Transport by sea IMDG	Transport by air IATA
1002	1002	1002

**14.2. UN proper shipping name**

Transport par road/rail ADR / RID	Transport by sea IMDG	Transport by air IATA
Air compressed	Air compressed	Air compressed

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

Labelling



ADR/RID  
IMDG  
IATA

2.2 : Non-flammable, non-toxic gases

**14.4. Packing group**


ADR/RID  
IMDG  
IATA

Not established

**14.5. Environmental hazards**

ADR/RID	None
IMDG	None
ICAO-TI / IATA-DGR	None



	<b>SAFETY DATASHEET</b>	Page : 9/10
		Revised edition n° : 10.1
		Revision date : 04/2024
<b>Compressed air - Synthetic air</b>		<b>MTG00A</b>

#### **14.6. Special precautions for user**

No data available

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

Not applicable

### **SECTION 15: Regulatory information**

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

This safety data sheet complies with the requirements of Regulation (CE) No. 1907/2006

#### **15.2. Chemical safety assessment**

A CSA does not need to be carried out for this product

### **SECTION 16: Other information**

#### **Indication of changes**

Revised safety data sheet in accordance with commission regulation (EU) No 2015/830

#### **Abbreviations and acronyms**

ADR : European Agreement concerning the International Carriage of Dangerous Goods by Road

CAS : Chemical Abstract Service number (USA)

CLP : Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008

CSA : Chemical Safety Assessment

EIGA : European Industrial Gases Association

EINECS : European Inventory of Existing Commercial Chemical Substances

EN : European Standard

ATE : Acute Toxicity Estimate

IATA : International Air Transport Association

IMDG Code : International Maritime Dangerous Goods Code

LC50 : Lethal Concentration to 50 % of a test population

OMoD : Swiss Ordinance on the movement of waste


PBT : Persistent, Bioaccumulative and Toxic

PPE: Personal Protection Equipment

REACH : Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006

RID : Regulations concerning the international carriage of dangerous goods by rail

RMM : Risk Management Measures

	<b>SAFETY DATASHEET</b>	Page : 10/10
		Revised edition n° : 10.1
		Revision date : 04/2024
<b>Compressed air - Synthetic air</b>		<b>MTG00A</b>

STOT-SE : Specific Target Organ Toxicity - Single Exposure  
 UN : United Nations  
 vPvB : Very Persistent and Very Bioaccumulative  
 WGK: Water Hazards Class

**Full text of H, EUH and P statements used in sections 2 and 3**

**Hazard statements**

H280 Contains gas under pressure; may explode if heated

**Precautionary statements**

P410+403 Protect from sunlight. Store in a well-ventilated place

**Disclaimer of liability**

Details given in this document have been prepared based on the most available reliable documents and are believed to be correct at the time of going to press  
 They do not claim to be exhaustive and should be considered as a guide