

**Safety Data Sheet according to Regulation  
(EC) No. 1907/2006 (REACH)**

Printed 06.12.2019  
Revision 05.12.2019 (GB) Version 1.5

**Air, compressed; Breathing air; Druckluft; Luft,  
verdichtet**

000090300103Luft\_GB\_EN

**Dräger**

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

**1.1. Product identifier**

**Name of product**

Air, compressed; Breathing air; Druckluft; Luft, verdichtet  
Prod-Nr various; diverse

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

**Identified uses**

**Sector of uses [SU]**

SU2a - Mining (without offshore industries)  
SU22 - Professional uses: Public domain (administration, education, entertainment, services, craftsmen)  
SU0 - Other

**Product categories [PC]**

PC0 - Other

**Process categories [PROC]**

Professional:  
PROC0 - Other Process or activity:

**Article categories [AC]**

not applicable

**Article categories [AC]**

not applicable

**Environmental release categories [ERC]**

not applicable

**Remark**

no

**Uses advised against**

**Sector of uses [SU]**

not determined

**Product categories [PC]**

not determined

**Process categories [PROC]**

not determined

**Article categories [AC]**

not applicable

**Article categories [AC]**

not applicable

**Remark**

Do not use for inflating balloons.  
Do not use for medical-clinical purposes.  
Do not use for private purposes (household).

**Recommended intended purpose(s)**

As breathing gas

**Effect of the substance / the mixture**

Supports the respiration

**Safety Data Sheet according to Regulation  
(EC) No. 1907/2006 (REACH)**

Printed 06.12.2019  
Revision 05.12.2019 (GB) Version 1.5

**Air, compressed; Breathing air; Druckluft; Luft,  
verdichtet**

000090300103Luft\_GB\_EN

**Dräger**

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

**Distributor**

Dräger Safety UK Ltd.  
Ullswater Close, Blyth Riverside Business Park, UK-NE24 4RG  
Blyth; Northumberland  
Phone +44 1670 352891, Fax +44 1670 356266  
E-Mail info@draeger.com  
Internet www.draeger.com

**Advice**

Dräger Environmental Management  
Phone +49 451 882 6297  
Fax +49 451 882 76297  
E-mail (competent person):  
sds@draeger.com

**1.4. Emergency telephone number**

**Emergency advice**

National Poisons Information Service, West Midlands Poisons  
Unit, City Hospital NHS Trust, Dudley Ro  
Phone (0) 12 15 07 55 88/9

**Manufacturer**

Dräger Safety AG & Co. KGaA  
Revalstr. 1, D-23560 Lübeck  
Phone +49 (0) 451/882-0, Fax +49 (0) 451/882-2080

E-Mail info@draeger.com  
Internet www.draeger.com

**Advice**

Dräger Umweltmanagement  
Phone +49 (0) 451 / 882-6297  
Fax +49 (0) 451 / 882-76297  
E-mail (competent person):  
sds@draeger.com

**1.4. Emergency telephone number**

**Emergency advice**

Giftinformationszentrum Nord, Göttingen; Tel. (0551) 1 92 40  
Phone +49 (0) 451/ 882-2395 (Dräger Werkschutz)

**SECTION 2: Hazards identification**

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

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

Hazard classes and Hazard Hazard Statements Classification procedure  
categories

**Compr. Gas**

**H280**

**Hazard statements for physical hazards**

**H280** Contains gas under pressure; may explode if heated.

**Hazard statements for health hazards**

no

**Hazard statements for environmental hazards**

no

Safety Data Sheet according to Regulation  
(EC) No. 1907/2006 (REACH)

Printed 06.12.2019  
Revision 05.12.2019 (GB) Version 1.5

**Air, compressed; Breathing air; Druckluft; Luft,  
verdichtet**

000090300103Luft\_GB\_EN

Dräger

**Additional hints**

This mixture is classified as hazardous according to Regulation (EC) No 1272/2008 [GHS].

**2.2. Label elements**

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



GHS04

**Signal word**

Warning

**Hazard statements for physical hazards**

H280 Contains gas under pressure; may explode if heated.

**Hazard statements for health hazards**

no

**Hazard statements for environmental hazards**

no

**Precautionary Statements**

**General**

P103 Read label before use.

**Prevention**

P202 Do not handle until all safety precautions have been read and understood.  
P233 Keep container tightly closed.

**Response**

P376 Stop leak if safe to do so.

**Storage**

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.  
P410 Protect from sunlight.  
P411 Store at temperatures not exceeding 60 ° C.

**Disposal**

P501 Contents / container to properly dispose and recycle.

**Supplemental Hazard information (EU)**

**Physical properties**

no

**Health properties**

no

**Environmental properties**

no

**Special rules for supplemental label elements for certain mixtures**

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use.

Safety Data Sheet according to Regulation  
(EC) No. 1907/2006 (REACH)

Printed 06.12.2019  
Revision 05.12.2019 (GB) Version 1.5

**Air, compressed; Breathing air; Druckluft; Luft,  
verdichtet**

000090300103Luft\_GB\_EN

Dräger

**Additional information**

**Special rules on packaging**

no

**Special rules for labelling of plant protection products**

not applicable

**Remark**

no

**2.3. Other hazards**

**Adverse physicochemical effects**

Caution! Container under pressure.

**Adverse human health effects and symptoms**

No information available.

**Adverse environmental effects**

no

**Other adverse effects**

No information available.

**Information pertaining to special dangers for human and environment**

No information available.

**Results of PBT and vPvB assessment**

No known ecological damage caused by this product.

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

**3.1. Substances**

not applicable

**3.2. Mixtures**

**Description**

not applicable

**Hazardous ingredients**

CAS No	EC No	Name	[%-Vol]	Classification according to Regulation (EC) No 1272/2008 [CLP/ GHS]
7782-44-7	231-956-9	oxygen	< 21	Ox. Gas 1, H270 / Press. Gas
7727-37-9	231-783-9	Nitrogen	> 78	

**REACH**

CAS No	Name	REACH registration number
7727-37-9	Nitrogen	-

**Additional advice**

no

**Labelling for contents according to regulation (EC) No 648/2004, annex VII**

not applicable

**Safety Data Sheet according to Regulation  
(EC) No. 1907/2006 (REACH)**

Printed 06.12.2019  
Revision 05.12.2019 (GB) Version 1.5

**Air, compressed; Breathing air; Druckluft; Luft,  
verdichtet**

000090300103Luft\_GB\_EN

**Dräger**

**SECTION 4: First aid measures**

**4.1. Description of first aid measures**

**General information**

no

**In case of inhalation**

No special measure necessary.

**In case of skin contact**

No special measure necessary.

**In case of eye contact**

not determined

**In case of ingestion**

not applicable

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

**Physician's information / possible symptoms**

No symptoms known so far.

**Physician's information / possible dangers**

No information available.

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

**Treatment (Advice to doctor)**

Treat symptoms.

**SECTION 5: Firefighting measures**

**5.1. Extinguishing media**

**Suitable extinguishing media**

Fire-extinguishing activities according to surrounding.

ABC powder

Carbon dioxide

Water spray jet

**Unsuitable extinguishing media**

no

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

No information available.

**5.3. Advice for firefighters**

**Special protective equipment for fire-fighters**

Fire-fighting operations, rescue and clearing work under effect of combustion and smoulder gases just may be done with breathing apparatus.

**Additional information**

Cool endangered containers with water spray jet.

**Safety Data Sheet according to Regulation  
(EC) No. 1907/2006 (REACH)**

Printed 06.12.2019  
Revision 05.12.2019 (GB) Version 1.5

**Air, compressed; Breathing air; Druckluft; Luft,  
verdichtet**

000090300103Luft\_GB\_EN

**Dräger**

**SECTION 6: Accidental release measures**

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

**For non-emergency personnel**

Remove persons to safety.

Keep people away and stay on the upwind side.

**For emergency responders**

Remove persons to safety.

**6.2. Environmental precautions**

Collect contaminated water / firefighting water separately.

Suppress gases/vapours/mists with water spray jet

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

Allow to vaporise.

Suck off by room ventilation.

Disposal according to regulations.

**Additional Information**

no

**6.4. Reference to other sections**

Safe handling: see section 7

Disposal: see section 13

**SECTION 7: Handling and storage**

**7.1. Precautions for safe handling**

**Advice on safe handling**

Treatment only in suitable rooms and systems.

No special measures necessary if used correctly.

Open and handle container with care!

Keep limited supplies at workplace.

Do not use for cleaning purposes.

**General protective measures**

Avoid contact with the eyes.

**Hygiene measures**

When handling the product do not consume alcohol.

At work do not eat, drink and smoke.

Wash hands and skin before breaks and after work.

**Advice on protection against fire and explosion**

Do not smoke.

The product is not combustible, but supports burning.

Pay attention to general rules of internal fire prevention.

Avoid effect of heat.

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

**Requirements for storage rooms and vessels**

Keep in closed original container.

Only use containers that are approved specifically for the substance/product.

Keep only in original container.

**Safety Data Sheet according to Regulation  
(EC) No. 1907/2006 (REACH)**

Printed 06.12.2019  
Revision 05.12.2019 (GB) Version 1.5

**Air, compressed; Breathing air; Druckluft; Luft,  
verdichtet**

000090300103Luft\_GB\_EN

**Dräger**

**Advice on storage compatibility**

Do not store with chemicals.

Store separately

Store only in original container at cool and aired place and at distance to acids and reducing materials.

**Further information on storage conditions**

The storage temperature should be between -30 and 60°C.

Keep container tightly closed, open and handle carefully.

Storage: cool and dry

Do not keep long-term to heat.

Protect from heat and direct solar radiation.

Protect compressed gas-bottles from falling down.

Protect containers from falling down.

Keep container dry, tightly closed and store at cool place.

If possible store container in the open air.

Protect from heat/overheating.

Keep in a cool place, heat causes increase in pressure and risk of bursting.

**Information on storage stability**

Storage time more than 24 months.

**Storage group** 2A

**Fire class** A

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

**Recommendation(s) for intended use**

See section 1.2

**Particular industry solution(s) for intended use**

not known

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

**8.1. Control parameters**

**Additional advice**

no

**8.2. Exposure controls**

**Respiratory protection**

not applicable

**Hand protection**

Protective gloves

**Eye protection**

safety goggles with side protection

**Other protection measures**

Light protective clothing.

**Thermal hazards**

not determined

**Limitation and surveillance of the environment**

not applicable

**Appropriate engineering controls**

not applicable

**Safety Data Sheet according to Regulation  
(EC) No. 1907/2006 (REACH)**

Printed 06.12.2019  
Revision 05.12.2019 (GB) Version 1.5

**Air, compressed; Breathing air; Druckluft; Luft,  
verdichtet**

000090300103Luft\_GB\_EN

**Dräger**

**SECTION 9: Physical and chemical properties**

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

<b>Appearance</b>	<b>Colour</b>	<b>Odour</b>
compressed gas	colourless	odourless

**Odour threshold**

no

**Important health, safety and environmental information**

	Value	Temperature	at	Method	Remark
<b>pH value</b>	not applicable	not applicable	not applicable	not applicable	not applicable
<b>Acid number</b>	not applicable			not applicable	not applicable
<b>boiling point</b>	ca. -195 °C		1 bar	not determined	-183 oC (O2); -196oC (N2)
<b>melting point</b>	ca. -219 °C			not determined	-219 oC (O2); -210 oC (N2)
<b>Flash point</b>	not applicable			not applicable	not applicable
<b>Vapourisation rate</b>	not applicable			not determined	no
<b>Flammable (solid)</b>	not applicable			not applicable	not applicable
<b>Flammability (gas)</b>	not applicable			not applicable	not applicable
<b>Ignition temperature</b>	not applicable			not applicable	not applicable
<b>Self ignition temperature</b>	not applicable			not applicable	not applicable
<b>Lower explosion limit</b>	not applicable			not applicable	no
<b>Upper explosion limit</b>	not applicable			not applicable	no
<b>Vapour pressure</b>	not applicable	20 °C		not applicable	no
<b>Relative density</b>	ca. 1	not applicable	not applicable	not determined	Compared to air.
<b>Bulk density</b>	not applicable			not applicable	no
<b>Vapour density</b>	ca. 1	20 °C	1 bar	not determined	no
<b>Solubility in water</b>	ca. 23 - 50 mg/l	ca. 0 °C	ca. 1 bar	not determined	39 mg/l (O2); 20 mg/l (N2)
<b>Solubility/other</b>	not determined	not determined	not determined	not determined	no
<b>Partition coefficient n- octanol/water (log P O/W)</b>	not determined	not determined		not determined	no

Safety Data Sheet according to Regulation  
(EC) No. 1907/2006 (REACH)

Printed 06.12.2019  
Revision 05.12.2019 (GB) Version 1.5

**Air, compressed; Breathing air; Druckluft; Luft,  
verdichtet**

000090300103Luft\_GB\_EN

Dräger

	Value	Temperature	at	Method	Remark
<b>Decomposition temperature</b>	not applicable			not applicable	not applicable
<b>Viscosity not determined</b>	not determined	not determined		not applicable	no
<b>Viscosity not determined</b>	not determined	not determined		not applicable	no
<b>Solvent separation test</b>	not determined			not determined	no
<b>Solvent content</b>	not applicable			not applicable	no
<b>Water content</b>	not determined			not determined	no
<b>Solids content</b>	not determined			not determined	no
<b>Combustion value</b>	not applicable				
<b>Sensitiveness to impact</b>	no			not applicable	
<b>Oxidising properties</b> No data available					
<b>Explosive properties</b> not determined					
<b>9.2. Other information</b> no					

**SECTION 10: Stability and reactivity**

**10.1. Reactivity**

No hazardous reactions known.

**10.2. Chemical stability**

Remains stable under normal conditions.  
No hazardous reactions known.

**10.3. Possibility of hazardous reactions**

No hazardous reactions known.

**10.4. Conditions to avoid**

Danger of bursting container.

**10.5. Incompatible materials**

**Substances to avoid**  
not known

**10.6. Hazardous decomposition products**

not known

Safety Data Sheet according to Regulation  
(EC) No. 1907/2006 (REACH)

Printed 06.12.2019  
Revision 05.12.2019 (GB) Version 1.5

**Air, compressed; Breathing air; Druckluft; Luft,  
verdichtet**

000090300103Luft\_GB\_EN

Dräger

<b>Thermal decomposition</b>	
Method	not determined
Remark	no
<b>Additional information</b>	
no	

**SECTION 11: Toxicological information**

**11.1. Information on toxicological effects**

**Acute toxicity/Irritation/Sensitization**

	Value/Validation	Species	Method	Remark
<b>LD50 acute oral</b>	not applicable	not applicable	not applicable	No known toxicological effects from this product.
<b>LD50 acute dermal</b>	not applicable	not applicable	not applicable	No known toxicological effects from this product.
<b>LC50 acute inhalation</b>	not applicable	not applicable	not applicable	No known toxicological effects from this product.
<b>Skin irritation</b>	not applicable	not applicable	not applicable	No known toxicological effects from this product.
<b>Eye irritation</b>	not applicable	not applicable	not applicable	No known toxicological effects from this product.
<b>Skin sensitization</b>	not determined	not determined	not determined	No known toxicological effects from this product.
<b>Sensitization respiratory system</b>	not determined	not determined	not determined	No known toxicological effects from this product.

**Subacute Toxicity - Carcinogenicity**

	Value	Species	Method	Validation
<b>Subacute Toxicity</b>	not determined not applicable not applicable not applicable	not determined	not determined	No known toxicological effects from this product.
<b>Subchronic Toxicity</b>	not determined not applicable not applicable not applicable	not determined	not determined	No known toxicological effects from this product.
<b>Chronic Toxicity</b>	not determined not applicable not applicable not applicable	not determined	not determined	No known toxicological effects from this product.

Safety Data Sheet according to Regulation  
(EC) No. 1907/2006 (REACH)

Printed 06.12.2019  
Revision 05.12.2019 (GB) Version 1.5

**Air, compressed; Breathing air; Druckluft; Luft,  
verdichtet**

000090300103Luft\_GB\_EN

Dräger

Safety Data Sheet according to Regulation  
(EC) No. 1907/2006 (REACH)

Printed 06.12.2019  
Revision 05.12.2019 (GB) Version 1.5

**Air, compressed; Breathing air; Druckluft; Luft,  
verdichtet**

000090300103Luft\_GB\_EN

Dräger

	Value	Species	Method	Validation
<b>Mutagenicity</b>	not determined not applicable not applicable not applicable	not determined	not determined	No known toxicological effects from this product.
<b>Reproduction-Toxicity</b>	not determined not applicable not applicable not applicable	not determined	not determined	No known toxicological effects from this product.
<b>Carcinogenicity</b>	not determined not applicable not applicable not applicable	not determined	not determined	No known toxicological effects from this product.

**Specific target organ toxicity (single exposure)**

No known toxicological effects from this product.

**Specific target organ toxicity (repeated exposure)**

No known toxicological effects from this product.

**Aspiration hazard**

not applicable

**Toxicity test (Additional information)**

No information available.

**Experiences made from practice**

No known toxicological effects from this product.

**Additional information**

No known toxicological effects from this product.

No toxic dates available.

**SECTION 12: Ecological information**

**12.1. Toxicity**

**Ecotoxicological effects**

	Value	Species	Method	Validation
<b>Fish</b>	not determined not applicable	not determined	not determined, not applicable	No known ecological damage caused by this product.
<b>Daphnia</b>	not determined not applicable	not determined	not determined, not applicable	No known ecological damage caused by this product.
<b>Algae</b>	not determined not applicable	not determined	not determined, not applicable	No known ecological damage caused by this product.
<b>Bacteria</b>	not determined not applicable	not determined	not determined, not applicable	No known ecological damage caused by this product.

**12.2. Persistence and degradability**

	Elimination rate	Method of analysis	Method	Validation
<b>Physico-chemical degradability</b>	not applicable	not determined	not determined	no
	No known ecological damage caused by this product.			
<b>Biological degradability</b>	not applicable	not determined	not determined	no
	No known ecological damage caused by this product.			
<b>Degradability</b>	not applicable	not determined	not determined	no
	No known ecological damage caused by this product.			
<b>Biological eliminability</b>	not determined	not determined	not determined	no
	No known ecological damage caused by this product.			
<b>Degradability according to WRMG</b>	not determined	not determined	not determined	no
	No known ecological damage caused by this product.			

**12.3. Bioaccumulative potential**

No known ecological damage caused by this product.

**12.4. Mobility in soil**

No known ecological damage caused by this product.

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

No known ecological damage caused by this product.

**12.6. Other adverse effects**

No known ecological damage caused by this product.

**Behaviour in sewage plant**

No known ecological damage caused by this product.

**Respiration inhibition of activated sludge**

	Value	Method	Remark
<b>EC 50</b>	not determined	not determined	No known ecological damage caused by this product.

**Additional ecological information**

	Value	Method	Remark
<b>OC</b>	not determined	not determined	no
<b>COD</b>	not determined	not determined	no
<b>BOD 99.40.n.b.</b>	not determined	not determined	no
<b>AOX</b>	not determined		

**Contains following heavy metals and compounds of the 76/464/EWG**

not applicable

**General regulation**

The substance is naturally occurring.

If appropriate application no interferences in sewage treatment plants.

Material has no ecologically harmful effects.

Product does not cause biological oxygen loss.

**Safety Data Sheet according to Regulation  
(EC) No. 1907/2006 (REACH)**

Printed 06.12.2019  
Revision 05.12.2019 (GB) Version 1.5

**Air, compressed; Breathing air; Druckluft; Luft,  
verdichtet**

000090300103Luft\_GB\_EN

**Dräger**

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

**Waste code No.**

16 05 05

**Name of waste**

gases in pressure containers other than those mentioned in 16 05 04

**Recommendations for the product**

Remove in accordance with local official regulations.

**Recommendations for packaging**

Totally emptied packaging may be taken for recycling.

**Recommended cleansing agent**

not applicable

**General information**

no

**SECTION 14: Transport information**

	ADR/RID	IMDG	IATA-DGR
<b>14.1. UN number</b>	1002	1002	1002
<b>14.2. UN proper shipping name</b>	Air, compressed	Air, compressed	Air, compressed
<b>14.3. Transport hazard class(es)</b>	2	2.2	2.2
<b>14.4. Packing group</b>	-	J.	J.
<b>14.5. Environmental hazards</b>	No	No	No
<b>14.6. Special precautions for user</b>	no		

**14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**  
not applicable

**Land and inland navigation transport ADR/RID**

Hazard label(s) 2  
tunnel restriction code E  
Special provisions P200  
Classification code 1A

**Transport/further information**

no

**SECTION 15: Regulatory information**

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

**Authorizations**

not applicable

**Application restrictions**

No information available.

**Safety Data Sheet according to Regulation  
(EC) No. 1907/2006 (REACH)**

Printed 06.12.2019  
Revision 05.12.2019 (GB) Version 1.5

**Air, compressed; Breathing air; Druckluft; Luft,  
verdichtet**

000090300103Luft\_GB\_EN

**Dräger**

**Other regulations (EU)**

No information available.

**VOC standard**

**Remark**

not applicable

**National regulations**

**Restriction of occupation**

no

**Other regulations, restrictions and prohibition regulations**

Management of Health and Safety at Work Regulations (1999 no. 3242)

The Regulatory Reform (Fire Safety) Order 2005 (2005 No. 1541)

Control of Substances Hazardous to Health Regulations (COSHH, 2002 No. 2677)

Provisions and Use of Work Equipment Regulations (PUWER, 1998 No. 2306)

Personal Protective Equipment Regulations (1992 No. 2966)

Control of Major Accident Hazards Regulations (COMAH, 1999 No. 743)

Chemical Hazards Information and Packaging for Supply (CHIP, 1994 No. 3247)

Pressure Systems Safety Regulations (PER, 2000 No. 128)

This Safety Data Sheet has been produced to comply with Regulation (EU) 453/2010.

To observe: TRG 280 "General demands for gas pressure vessels; operating with gas pressure vessels"

To observe: TRG 101 "Gases"

UVV "Gases" (VBG 61)

ZH 1/119 "Guidelines for Laboratories"

ZH 1/220 "Regulations on Hazardous Materials"

**Water hazard class**

- self-classification  
nwh - not water hazardous

**Technical instruction air remarks**

not applicable

**Decree for case of interference/  
remarks**

Accident decree, addendum II: not named.

**15.2. Chemical Safety Assessment**

Chemical safety assessments for substances in this mixture were not carried out.

**SECTION 16: Other information**

**Training advice**

not determined

**Recommended uses and restrictions**

National and local regulations concerning chemicals shall be observed.

**Further information**

Refer to product information paper.

The information contained herein is based on the state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.

Indication of changes: "I" = Data changed compared with the previous version. Previous version: 1.4

**Sources of key data used**

not determined

**Safety Data Sheet according to Regulation  
(EC) No. 1907/2006 (REACH)**

Printed 06.12.2019

Revision 05.12.2019 (GB) Version 1.5

**Air, compressed; Breathing air; Druckluft; Luft,  
verdichtet**

000090300103Luft\_GB\_EN



---

H270 May cause or intensify fire; oxidiser.