

000090300103Luft\_GB\_EN Air, compressed; Breathing air; Druckluft; Luft, verdichtet

Print date 17.06.2022  
Revision date 16.06.2022  
Version 4.0 (en,UK)  
replaces version of 19.08.2021 (3.9)

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

### 1.1 Product identifier

**Trade name/designation** 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

#### Sector of uses [SU]

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

#### Process categories [PROC]

Professional:  
PROC0 Other

#### Environmental release categories [ERC]

not applicable

#### Product Categories [PC]

PC0 Other

#### Article categories [AC]

not applicable

#### Uses advised against

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

#### Remark

Supports the respiration  
none

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

#### Supplier

Dräger Safety UK Ltd.  
Ullswater Close, Blyth Riverside Business Park  
UK-NE24 4RG Blyth; Northumberland  
Telephone +44 1670 352891  
Telefax: +44 1670 356266  
E-mail info@draeger.com

#### Department responsible for information:

Dräger Global EHS Management  
Telephone +49 451 882 6979  
Website www.draeger.com

#### E-mail (competent person):

sds@draeger.com

### 1.4 Emergency telephone number

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

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## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008, as retained and amended for Great Britain [GB CLP] Classification procedure

Press. Gas (Comp.), H280

#### Hazard statements for physical hazards

H280 Contains gas under pressure; may explode if heated.

#### Remark

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].  
none

#### Additional information

This mixture does not contain any substances which either present a health or environmental hazard according to directive 67/548/EEC or have an occupational exposure limit assigned.

#### Hazard pictograms



GHS04

### 2.2 Label elements

#### Labelling according to Regulation (EC) No 1272/2008, as retained and amended for Great Britain [GB CLP]

##### Signal word

Warning

##### Hazard statements

H280 Contains gas under pressure; may explode if heated.

##### Precautionary statements

P103 Read carefully and follow all instructions.  
P233 Keep container tightly closed.  
P202 Do not handle until all safety precautions have been read and understood.  
P376 Stop leak if safe to do so.  
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.  
P410 Protect from sunlight.  
P411 Store at temperatures not exceeding 60 ° C.  
P501 Contents / container to properly dispose and recycle.

##### Supplemental hazard information

none

##### special rules for labelling of plant protection products

not applicable

##### Special rules on packaging

none

##### Other labelling

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

### 2.3 Other hazards

#### Adverse physicochemical effects

Caution! Container under pressure.

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**Adverse human health effects and symptoms**

This information is not available.

**Adverse environmental effects**

none

**Other adverse effects**

This information is not 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.	Substance name	Concentration	Classification according to Regulation (EC) No 1272/2008 [CLP]	SCL/ M/ ATE
7727-37-9	231-783-9	Nitrogen	> 78 %		
7782-44-7	231-956-9	oxygen	< 21 %	Ox. Gas 1; H270 Press. Gas	

REACH No.	Substance name
-	Nitrogen

**Remark**

none

**SECTION 4: First aid measures**

**4.1 Description of first aid measures**

**General information**

none

**Following inhalation**

No special measures are necessary.

**Following skin contact**

No special measures are necessary.

**After eye contact**

not determined

**Following ingestion**

not applicable

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

**Symptoms**

No known symptoms to date.

**Effects**

This information is not available.

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

**Notes for the doctor**

Treat symptomatically.

**SECTION 5: Firefighting measures**

**5.1 Extinguishing media**

**Suitable extinguishing media**

ABC-powder  
Carbon dioxide (CO<sub>2</sub>)  
Water spray jet

**Unsuitable extinguishing media**

none

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

**Hazardous combustion products**

This information is not available.

**5.3 Advice for firefighters**

**Special protective equipment for firefighters**

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

**Additional information**

Co-ordinate fire-fighting measures to the fire surroundings.  
Use water spray jet to protect personnel and to cool endangered containers.

**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**

**For containment**

Suck off by room ventilation.  
Disposal according to regulations.

**For cleaning up**

Leave to vapourize.

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**Other information**

none

**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**

**Protective measures**

Treatment only in suitable rooms and systems.  
No special measures are necessary.  
Handle and open container with care.  
Keep limited supplies at workplace.  
Do not use for cleaning purposes.  
Keep away from sources of ignition - No smoking.  
The product is not:  
Combustible  
The product is:  
oxidising  
Usual measures for fire prevention.  
Avoid effect of heat.  
Keep away from sources of heat (e.g. hot surfaces), sparks and open flames.  
Keep the packing dry and well sealed to prevent contamination and absorption of humidity.  
Keep in a cool, well-ventilated place.  
Avoid:  
Eye contact

**Advices on general occupational hygiene**

When handling the product do not consume alcohol.  
When using do not eat, drink, smoke, sniff.  
Wash hands and face before breaks and after work and take a shower if necessary.

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

**Requirements for storage rooms and vessels**

Keep/Store only in original container.  
Keep container tightly closed.  
Only use containers specifically approved for the substance/product.  
Handle and open container with care.

**Storage class**

2A Gases (except aerosol dispensers and lighters)

**Further information on storage conditions**

Do not store with chemicals.  
Store separately  
Keep only in the original container in a cool, well-ventilated place.  
Keep away from:  
Acid  
Reducing agent  
Storage: cool and dry  
Protect from heat and direct solar radiation.  
Protect pressurised gas bottles against overturning.  
Protect containers from falling down.  
Where possible store containers outdoors.  
Protect from heat/overheating.  
Keep in a cool, well-ventilated place.  
Heating causes rise in pressure with risk of bursting.  
The storage temperature should be between -30 and 60°C.  
Storage time more than 24 months.

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**7.3 Specific end use(s)**

**Recommendation**

See section 1.2

**Industrial sector specific solutions**

not known

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

**8.1 Control parameters**

No data available

**8.2 Exposure controls**

**Appropriate engineering controls**

**Technical measures to prevent exposure**

not applicable

**Personal protection equipment**

**Eye/face protection**

Eye glasses with side protection

**Hand protection**

Gloves with long cuffs

**Body protection:**

Light protective clothing.

**Respiratory protection**

not applicable

**Thermal hazards**

not determined

**Environmental exposure controls**

**Technical measures to prevent exposure**

not applicable

**Additional information**

none

**SECTION 9: Physical and chemical properties**

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

**Physical state**

compressed gas

**Colour**

colourless

**Odour**

odourless

**Safety relevant basis data**

	Value	Method	Source, Remark
Odour threshold:			none
Melting point/freezing point	Melting point approx. -219 °C	not determined	-219 oC (O2); -210 oC (N2)

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	Value	Method	Source, Remark
Boiling point or initial boiling point and boiling range	approx. -195 °C pressure 1 bar	not determined	-183 oC (O2); -196 oC (N2)
flammability	solid	not applicable	not applicable
flammability	gaseous	not applicable	not applicable
Lower and upper explosion limit	Upper explosion limit	not applicable	none not applicable
Lower and upper explosion limit	Lower explosion limit	not applicable	none not applicable
Flash point		not applicable	not applicable
Auto-ignition temperature		not applicable	not applicable
Auto-ignition temperature		not applicable	not applicable
Decomposition temperature		not applicable	not applicable
Decomposition temperature		not determined	none
pH	in delivery state	not applicable	not applicable
Viscosity	not determined	not applicable	none not determined
Viscosity	not determined	not applicable	none not determined
Solubility(ies)	Water solubility approx.23- 50 mg/L (0°C) pressure 1 bar	not determined	39 mg/l (O2); 20 mg/l (N2)
Solubility(ies)	not determined	not determined	none not determined
Partition coefficient n-octanol/water (log value)		not determined	none not determined
Vapour pressure	(20°C)	not applicable	none not applicable
Density and/or relative density	approx. 1 g/cm <sup>3</sup>	not determined	Im Vergleich mit Luft.
Density and/or relative density	Bulk density	not applicable	none not applicable
Relative vapour density	approx. 1 (20°C) pressure 1 bar	not determined	none
particle characteristics	not determined		

9.2 Other information

Other safety characteristics

	Value	Method	Source, Remark
Evaporation rate		not determined	none not applicable
Solvent content			none not applicable
Water content			none not determined
Solid content			none not determined
acid number		not applicable	not applicable
Solvent separation test		not determined	none not determined
Explosive properties:			not determined
Oxidising properties			No data available

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**Other information**  
none

**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**

not known

**10.6 Hazardous decomposition products**

not known

**Additional information**

none

**SECTION 11: Toxicological information**

**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008, as retained and amended for Great Britain [GB CLP]**

**Acute toxicity**

**Animal data**

	Effective dose	Method, Evaluation	Source, Remark
Acute oral toxicity	Species not applicable	not applicable	No known toxicological effects from this product. not applicable
Acute dermal toxicity	Species not applicable	not applicable	No known toxicological effects from this product. not applicable
Acute inhalation toxicity	Species not applicable	not applicable	No known toxicological effects from this product. not applicable

**Skin corrosion/irritation**

**Animal data**

Result / Evaluation	Method	Source, Remark
not applicable Species not applicable	not applicable	No known toxicological effects from this product.

**Serious eye damage/irritation**

**Animal data**

Result / Evaluation	Method	Source, Remark
not applicable Species not applicable	not applicable	No known toxicological effects from this product.



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**Sensitisation to the respiratory tract**

**Assessment/classification**  
 not determined

**Skin sensitisation**

**Animal data**

Result / Evaluation	Dose / Concentration	Method	Source, Remark
not determined	Species not determined	not determined	No known toxicological effects from this product.

**Germ cell mutagenicity**

	Value	Method	Result / Evaluation	Remark
In vitro mutagenicity/genotoxicity	Species not determined	not determined	No known toxicological effects from this product.	not applicable not determined

**Carcinogenicity**

**Animal data**

	Value	Method	Result / Evaluation	Remark
Carcinogenicity	Species not determined	not determined	No known toxicological effects from this product.	not applicable not determined

**Reproductive toxicity**

**Animal data**

	Value	Method	Result / Evaluation	Remark
Reproductive toxicity	Species not determined	not determined	No known toxicological effects from this product.	not applicable not determined

**STOT-single exposure**

**STOT SE 1 and 2**

**Animal data**

	Effective dose	Method	Specific effects:	Organs affected:	Source, Remark
Oral specific target organ toxicity (single exposure)	Species not determined	not determined			No known toxicological effects from this product. not applicable not determined
Dermal specific target organ toxicity (single exposure)	Species not determined	not determined			No known toxicological effects from this product. not applicable not determined
Inhalative specific target organ toxicity (single exposure)	Species not determined	not determined			No known toxicological effects from this product. not applicable not determined

**Other information**

No known toxicological effects from this product.

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**STOT-repeated exposure**

**Animal data**

	Effective dose	Method	Specific effects:	Organs affected:	Source, Remark
Oral specific target organ toxicity (repeated exposure)	Species not determined	not determined			No known toxicological effects from this product. not applicable not determined
Oral specific target organ toxicity (repeated exposure)	Species not determined	not determined			No known toxicological effects from this product. not applicable not determined
Dermal specific target organ toxicity (repeated exposure)	Species not determined	not determined			No known toxicological effects from this product. not applicable not determined
Dermal specific target organ toxicity (repeated exposure)	Species not determined	not determined			No known toxicological effects from this product. not applicable not determined
Inhalative specific target organ toxicity (repeated exposure)	Species not determined	not determined			No known toxicological effects from this product. not applicable not determined
Inhalative specific target organ toxicity (repeated exposure)	Species not determined	not determined			No known toxicological effects from this product. not applicable not determined

**Other information**

No known toxicological effects from this product.

**Aspiration hazard**

**Remark**

not applicable

**11.2 Information on other hazards**

No data available

**Other information**

No known toxicological effects from this product.  
 Toxicological data are not available.

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**SECTION 12: Ecological information**

**12.1 Toxicity**

**Aquatic toxicity**

	Effective dose	Method, Evaluation	Source, Remark
Acute (short-term) fish toxicity	Species not determined	not determined	No known ecological damage caused by this product. not applicable
Chronic (long-term) fish toxicity	not determined		
Acute (short-term) toxicity to crustacea	Species not determined	not determined	No known ecological damage caused by this product. not applicable
Chronic (long-term) toxicity to aquatic invertebrate	not determined		
Acute (short-term) toxicity to algae and cyanobacteria	Species not determined	not determined	No known ecological damage caused by this product. not applicable
Chronic (long-term) toxicity to aquatic algae and cyanobacteria	not determined		
Toxicity to other aquatic plants/organisms	not determined		
Toxicity to microorganisms	Species not determined	not determined	No known ecological damage caused by this product. not applicable

**12.2 Persistence and degradability**

	Value	Method	Source, Remark
Biodegradation		not determined	No known ecological damage caused by this product. none not applicable not determined
Biodegradation		not determined	No known ecological damage caused by this product. none not applicable not determined

**12.3 Bioaccumulative potential**

**Assessment/classification**

No known ecological damage caused by this product.

**12.4 Mobility in soil**

**Assessment/classification**

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 Endocrine disrupting properties**

No data available

**12.7 Other adverse effects**

**Additional ecotoxicological information**

	Value	Method	Source, Remark
Chemical oxygen demand (COD)		not determined	none not determined

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	Value	Method	Source, Remark
Biochemical oxygen demand		not determined	none not determined
Total organic carbon (TOC):		not determined	none not determined
AOX			not determined

**Additional information**

If appropriate application no interferences in sewage treatment plants.  
 Material has no ecologically harmful effects.  
 Product does not cause biological oxygen loss.  
 The substance is naturally occurring.  
 No known ecological damage caused by this product.

**SECTION 13: Disposal considerations**

**13.1 Waste treatment methods**

**Waste codes/waste designations according to EWC/AVV**

Waste code product	Waste name
160505	gases in pressure containers other than those mentioned in 16 05 04

**Appropriate disposal / Product**

Dispose of waste according to applicable legislation.

**Appropriate disposal / Package**

Completely emptied packages can be recycled.

**Remark**

none

**SECTION 14: Transport information**

	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
<b>14.1 UN number or ID 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>	-	-	-
<b>14.5 Environmental hazards</b>	No	No	No

**14.6 Special precautions for user**

none

**14.7 Maritime transport in bulk according to IMO instruments**

not applicable

**All transport carriers**

none

**Land transport (ADR/RID)**

UN number or ID number	1002
UN proper shipping name	AIR, COMPRESSED
Transport hazard class(es)	2

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Hazard label(s) 2.2  
Classification code 1A  
Packing group -  
Environmental hazards No  
Limited quantity (LQ) 120 ml  
Special provisions 392, 655, 662  
Tunnel restriction code E

**Sea transport (IMDG)**

UN number or ID number 1002  
UN proper shipping name AIR, COMPRESSED  
Transport hazard class(es) 2.2  
Packing group -  
Environmental hazards No  
Limited quantity (LQ) 120 ml  
Marine pollutant No  
EmS F-C, S-V

**Air transport (ICAO-TI / IATA-DGR)**

UN number or ID number 1002  
UN proper shipping name Air, compressed  
Transport hazard class(es) 2.2  
Packing group -  
Environmental hazards No

**SECTION 15: Regulatory information**

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

**EU legislation**

**Authorisations**  
not applicable

**Restrictions on use**  
This information is not available.

**Other regulations (EU)**

**To follow:**  
This information is not available.

**15.2 Chemical Safety Assessment**

**National regulations**

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

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## SECTION 16: Other information

**Key literature references and sources for data**  
not determined

**Training advice**  
not determined

**Additional information**  
National and local regulations concerning chemicals shall be observed.

Refer to product information paper.  
The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

**Relevant H- and EUH-phrases (Number and full text)**

H270 May cause or intensify fire; oxidiser.

**Indication of changes**

\* Data changed compared with the previous version