

Blended air

SDS-01-0001-06



2.2 : Non-flammable, non-toxic gases

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

Trade name : Blended air
 SDS Nr : SDS-01-0001-06
 Company identification : Energas Ltd.
 Westmorland Street, Hull HU2 0HX,
 United Kingdom
 Emergency telephone number : 01482 329333

SECTION 3. Composition/information on ingredients

Mixture.

Components : This product is not hazardous but contains hazardous components.

Substance name	Contents	CAS No EC No Index No Registration no	Classification(DSD)	Classification(CLP)
Oxygen	: 21 %	7782-44-7 231-956-9 008-001-00-8 * 1	O; R8	Ox. Gas 1 (H270) Press. Gas Compressed (H280)
Nitrogen	: 79 %	7727-37-9 231-783-9 ----- *1	Not classified (DSD)	Press. Gas Compressed (H280)

SECTION 4. First aid measures

- Inhalation : Not hazardous.
 - Skin/eye contact : No effect on living tissue.
 - Ingestion : Ingestion is not considered a potential route of exposure.

SECTION 5. Firefighting measures

Extinguishing media
 - Suitable extinguishing media : All known extinguishants can be used.
Specific hazards : Exposure to fire may cause containers to rupture/explode.
 Supports combustion.
Hazardous combustion products : None.
 None.
Specific methods : If possible, stop flow of product.
 Move away from the container and cool with water from a protected position.
Special protective equipment for fire fighters : None.

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SECTION 5. Firefighting measures (continued)

Flammable class : Non flammable.

SECTION 6. Accidental release measures

Personal precautions : None necessary.

SECTION 7. Handling and storage

Handling : Open valve slowly to avoid pressure shock.
Suck back of water into the container must be prevented.
Do not allow backfeed into the container.
Use only properly specified equipment which is suitable for this product, its supply pressure and temperature. Contact your gas supplier if in doubt.
Refer to supplier's container handling instructions.

Storage : Keep container below 50°C in a well ventilated place.

SECTION 8. Exposure controls/personal protection

8.2. Exposure controls

Personal protection : None necessary.

SECTION 9. Physical and chemical properties

Physical state at 20°C / 101.3kPa : Compressed gas.
Colour : Colourless.
Odour : Odourless.
Relative density, gas (air=1) : Lighter or similar to air.
Solubility in water [mg/l] : No reliable data available.

SECTION 10. Stability and reactivity

Stability and reactivity : Stable under normal conditions.

SECTION 11. Toxicological information

Toxicity information : No toxicological effects from this product.

SECTION 12. Ecological information

Ecological effects information : No ecological damage caused by this product.
No known ecological damage caused by this product.
Effect on ozone layer : None.



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SECTION 13. Disposal considerations

General : None.
Disposal method : Consult supplier for specific recommendations.

SECTION 14. Transport information

UN number : 1956
H.I. nr : 20
UN proper shipping name : COMPRESSED GAS, N.O.S. (Nitrogen, Oxygen)
Transport hazard class(es) : 2
Classification code : 1 A
Labelling ADR : 2.2 : Non-flammable, non-toxic gases
ADR/RID
Other transport information : Avoid transport on vehicles where the load space is not separated from the driver's compartment.
Ensure vehicle driver is aware of the potential hazards of the load and knows what to do in the event of an accident or an emergency.
Before transporting product containers:
- Ensure that containers are firmly secured.
- Ensure cylinder valve is closed and not leaking.
- Ensure valve outlet cap nut or plug (where provided) is correctly fitted.
- Ensure valve protection device (where provided) is correctly fitted.
- Ensure there is adequate ventilation.
- Compliance with applicable regulations.

SECTION 16. Other information

Training advice : Receptacle under pressure.
Ensure all national/local regulations are observed.
Note : This Safety Data Sheet has been established in accordance with the applicable European Union legislation.
DISCLAIMER OF LIABILITY : Before using this product in any new process or experiment, a thorough material compatibility and safety study should be carried out.
Details given in this document are believed to be correct at the time of going to press. Whilst proper care has been taken in the preparation of this document, no liability for injury or damage resulting from its use can be accepted.

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