

Flogas Medical Gases - Safety Data Sheet

OXYGEN - COMPRESSED FOR MEDICAL USE

Data Sheet No 5: Issue 1

Replaces Issue N/A

This data sheet has been prepared in accordance with the requirements of Article 31 of EU Regulation 1907/2006 on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

1: IDENTIFICATION OF THE SUBSTANCE OR PREPARATION & SUPPLIER

PRODUCT: OXYGEN COMPRESSED FOR MEDICAL USE

Including products marketed as: MEDICAL OXYGEN

RECOMMENDED USES:

Flogas Medical Gases Oxygen is a product intended to be used for medical use;

Flogas Medical Gases Oxygen is only supplied for domestic consumer use when medically prescribed.

COMPANY: FLOGAS MEDICAL GASES
(a Flogas Britain Ltd Company)

ADDRESS: 19 Manor Industrial Estate
Flint CH6 5UY

TELEPHONE: 01352 736050

2: HAZARD IDENTIFICATION

- Oxidant.
- Strongly supports combustion.
- May react violently with combustible materials.
- Compressed gas.

3: COMPOSITION / INFORMATION ON INGREDIENTS

Substance / Preparation : **Substance**

Components :

Substance name	Contents	EC No.	CAS No.	Classification
Oxygen	(100%)	231-959-1	7782-44-7	O;R8

4: FIRST AID MEASURES

Ingestion : Not considered a potential route of exposure.

5: FIRE-FIGHTING MEASURES

Flammable class : Non-flammable.

Specific hazards : Supports combustion.
Exposure to fire may cause containers to rupture/explode

Hazardous combustion products : Under fire conditions, hazardous fumes will be present

Extinguishing media
– **Suitable extinguishing media** : All known extinguishants can be used

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 : Do not enter fire area without proper protective equipment, including respiratory protection.

6: ACCIDENTAL RELEASE MEASURES

Personal precautions : Evacuate area.
Ensure adequate air ventilation.
Eliminate sources of ignition.

Environmental precautions : Try to stop the release.
Prevent from entering from entering any place where its accumulation could be dangerous.

Clean up methods : Ventilate area.

7: HANDLING AND STORAGE

- Storage** : Segregate from flammable gases and other flammable materials in store.
Keep containers below 50°C in a well-ventilated place.
- Handling** : Open valve slowly to avoid pressure shock.
Suck back of water into 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. If in doubt contact Flogas Medical Gases.
Refer to Flogas Medical Gases "Instructions For Use"

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- Personal protection** : Do not smoke while handling product.
Ensure adequate ventilation, especially in confined areas.
Gloves must be clean and free of oil/grease.

9: PHYSICAL AND CHEMICAL PROPERTIES

- Physical state at 20°C** : Gas.
- Colour** : Colourless.
- Odour** : None
- Solubility in water (mg/l)** : 0.039 g/l.
- Vapour relative density** : 1.1 (air = 1)

10: STABILITY AND REACTIVITY

- Stability and reactivity** : May react violently with combustible materials.
May react violently with reducing agents.
Violently oxidise organic material.

11: TOXICOLOGICAL INFORMATION

- Toxicity information** : No data available. See summary of product characteristics document.

12: ECOLOGICAL INFORMATION

Ecological effects information : No known ecological damage caused by this product.

Effect on Ozone layer : None

13: DISPOSAL CONSIDERATIONS

General : Do not discharge into any place where its accumulation could be dangerous.
If required contact Flogas Medical Gases for guidance.

Disposal method : Contact Flogas Medical Gases for specific recommendations.

14: TRANSPORT INFORMATION

UN Number: 1072
Hazard Identification No.: 25
Packing Group: N/A

ADR/RID Proper Shipping Name: OXYGEN, COMPRESSED
Class: 2
Labels: 2.2 :Non-flammable, non-toxic gas and 5.1 :Oxidizing substances

Other transport information : Avoid transport in 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 cylinders ensure :
- That the cylinders are firmly secured.
- The cylinder valve is closed and not leaking.
- Valve outlet cap or plug (where provided) is correctly fitted.
- Valve protection device (where provided) is correctly fitted.
- There is adequate ventilation.
- Compliance with applicable regulations.

15: REGULATORY INFORMATION

EC Classification	: O; R8
EC Labelling Symbol(s)	: O: Oxidizing.
R Phrase(s)	: R8: Contact with combustible material may cause fire.
S Phrase(s)	: S17: Keep away from combustible material.

16: OTHER INFORMATION

Training Advice	: Cylinder under pressure Ensure all national/local regulations are observed.
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