

**Section 1. Chemical Product and Company Identification**

Product No.	CD0025
Trade name	CO2Gen
Manufacturer	Oxoid Ltd Wade Road Basingstoke Hants. RG24 8PW Tel. 44 (0) 1256 841144 Fax. 44 (0) 1256 463388

Section 2. Composition, Information on Ingredients

Hazardous ingredients/Chemical Composition This preparation does not contain any substances presenting a health hazard within the meaning of the Dangerous Substances Directive 67/548/EEC.

The active components are ascorbic acid (70 - 80%) and activated carbon (20 - 30%).

Section 3. Hazards Identification**Most Important Hazards**

This product is for in vitro use only.

The paper sachet will become active on contact with air. It is essential that the plastic pouch is sealed within one minute of exposing the paper sachet to the air.

The reaction of the ascorbic acid with oxygen is exothermic. However, the temperature of the paper sachet will not exceed 65 °C. Dust will cause transient irritation by abrasion.

Human health hazards - Eyes**Human health hazards - Inhalation**

Exposure to dust may have the following effects:- irritation of nose, throat and respiratory tract.

Section 4. First Aid Measures**First Aid - Eyes**

Wash out eye with plenty of water. Obtain medical attention if soreness or redness persists.

First Aid - Skin

Wash skin with soap and water.

First Aid - Ingestion

Wash out mouth with water.

First Aid - Inhalation

Remove from exposure.

Section 5. Fire Fighting Measures**Extinguishing Media - Suitable**

Use water spray, foam, dry chemical or carbon dioxide.

Section 6. Accidental Release Measures**Personal Precautions**

No specific measures necessary.

Spill

Wipe up with a damp cloth.

**Section 7. Handling and Storage****Handling**

No special precautions necessary.

Storage

Storage temperature should be controlled to between 2 and 25 °C.

Section 8. Exposure Controls, Personal Protection**Protective Measures - Hands**

No specific measures necessary.

Section 9. Physical and Chemical Properties**Physical state**

10 CO2Gen paper sachets, individually wrapped in foil.

Section 10. Stability and Reactivity**Stability**

Store at 2-25°C. Under these conditions the paper sachets will retain their activity until the expiry date given on the outer box and on the foil wrap of the paper sachet.

Materials to avoid

Combustible substances.

Section 11. Toxicological Information**Acute toxicity**

All components have a low order of acute toxicity.

Eye irritation

The degree of irritation was insufficient to warrant labelling as an eye irritant.

Section 12. Ecological Information**Ecotoxicity**

No relevant studies identified.

Section 13. Disposal Considerations**Disposal considerations**

On removal from the jar after incubation, the paper sachet may retain a small amount of reactivity and will warm up. The sachets should therefore be allowed to cool to room temperature on an inert surface prior to disposal with laboratory waste.

Section 14. Transport Information**UN : UN number**

Not regulated.

ADR/RID : Number

Not controlled under ADR (Europe).

Section 15. Regulatory Information**Risk Phrases**

Not applicable.

Safety Phrases

Not applicable.

EC Classification

Not classified.



SAFETY DATA SHEET

CO2Gen

Date of issue - 19/01/2006.

CD0025

Section 16. Other Information

MSDS first issued 19/12/1997

MSDS data revised 14/04/2003

USES CO2Gen is designed for the generation of a carbon dioxide rich atmosphere within a gas jar. The system consists of a plastic pouch and sealing clip and a paper gas generating sachet. The final concentration of oxygen is 15%.

Revisions Highlighted Date of issue