

Ethylene



Description

Ethylene is a gaseous flammable organic compound

Ethylene gas in fruits is a naturally occurring process resulting from the ripening of the fruit, or may be produced when plants are injured in some way.

Ethylene gas in fruits and vegetables is actually a plant hormone which regulates the plant's growth and development as well as the speed at which these occur, much as hormones do in humans or animals.

The commercial use of ethylene for fruit is at a low concentration and simply initiates the ripening.

By the time the ethylene-treated fruit reaches the consumer the ripening has started and there is no trace of applied ethylene gas, any ethylene emitted by the fruit is generated by the fruit itself and is of a much greater concentration.

There are no food safety issues associated with the consumption of Ethylene ripened fruit..

Applications

- Fruit ripening
- Industrial applications

Hazard statement(s)

- Extremely flammable gas.
- Contains gas under pressure; may explode if heated.
- May cause drowsiness or dizziness.

Prevention statement(s)

- Keep away from heat/sparks/open flames/hot surfaces. No smoking.
- Avoid breathing dust/fume/gas/mist/vapours/spray.
- Use only outdoors or in a well-ventilated area.

Signal Word: Danger

UN No.: 1962

Hazard No.: 2SE

Chem Symbol: C₂H₄

Pictograms:



Ethylene



General Specifications

Specifications	G Cylinder
Cylinder - kg	16
Water capacity per Cylinder - L	50
Cylinder Colour	Violet
Outlet Connection	Type 20
Package Dimensions (H x W x D) - mm	1,510 x 230

Cylinder dimensions are approximate – variations may occur due to manufacturing tolerances.
Height includes the valve.
Container sizes may vary from state to state.

Package Sizes Available



Typical Analysis

Product Type	Ethylene
Food Grade	>99.5%

Quality Assurance

Supagas Pty Ltd is committed to comply with the requirements of ISO 9001-2019 and to continually improve the effectiveness of our Quality Management System.

Everyone at Supagas understands we must provide a safe environment for both our employees and the wider community. We are therefore committed to implement and maintain a continual improvement approach throughout the organisation whilst also meeting all applicable statutory and regulatory requirements.

NATA Accreditation

The Supagas Laboratory located in Ingleburn, NSW has a NATA

Accreditation (No. 18955). Accredited for compliance with ISO/IEC 17025 and ISO 17034.



For Further Information

On how we can help you with all your gas and welding needs, drop in to your local Supagas branch or call Customer Service on 13 78 72.