

Globally Harmonised System of Classification and Labelling of Chemicals (GHS)

As of January 2017, the new Australian Workplace Health and Safety (WHS) Regulations require an updated system of labelling for chemicals based on the GHS.

The Globally Harmonised System of Classification and Labelling of Chemicals (GHS) is an internationally agreed system of chemical classification and hazard communication through labelling and Safety Data Sheets (SDS). The GHS is published by the United Nations.

As of January 2017, the new Australian Workplace Health and Safety (WHS) Regulations require an updated system of labelling for chemicals based on the GHS¹. As a result, manufacturers and importers of hazardous chemicals have five years from January 2012 (i.e until 31 December 2016) to move to the new labelling system.

This is an industry-wide change across Australia and more detailed information is available through:

- 1. Safe Work Australia website: <u>www.safeworkaustralia.gov.au</u>
- 2. Labelling of Workplace Hazardous Chemicals Code of Practice. This Code of Practice is under section 274 of the Work Health and Safety Act (WHS Act).

Most gases are classified as a hazardous chemical. Therefore in preparation for January 2017, BOC will be updating labels and SDS's to be compliant with GHS. Due to the size of the cylinder fleet, we have already started this process.

As a result, you may start noticing that the labels on your gas cylinders and SDS's vary slightly so that they are now compliant with GHS.

Always refer to the SDS prior to using a gas. SDS's are available at www.boc.com.au.

Please note: the GHS compliant label for some special gases may appear different to the labels shown over the page.

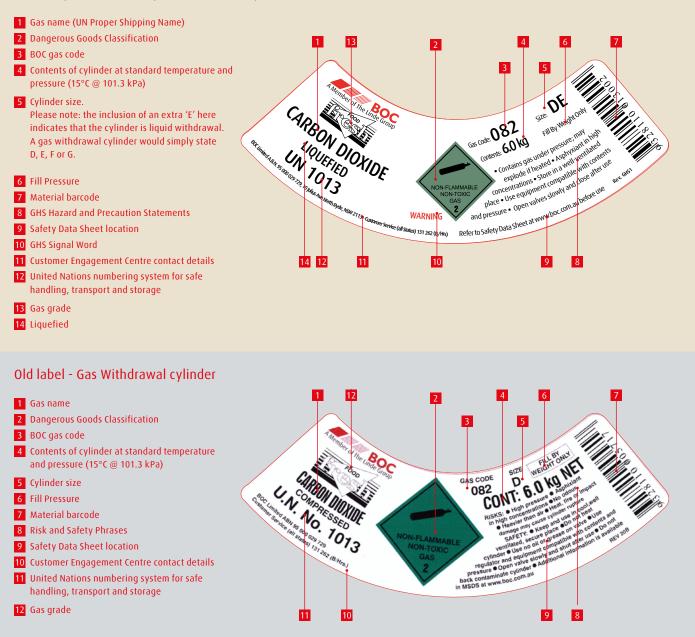


Food Fresh Carbon Dioxide

The new GHS compliant label for Food Fresh Carbon Dioxide supplied in gas withdrawal cylinders states the product is liquified. Please note: there have been no changes to the product itself or the way it is packaged. The liquified status simply refers to the state the product is stored in the cylinder. For gas withdrawal, product is extracted from the top of the cylinder where it is in a gaseous state. Liquid withdrawal cylinders are identified by two black strips painted vertically on each side, an extra 'E' at the end of the gas code and some also include an additional 'Caution: Liquid Supply Cylinder' sticker. Product is extracted from these cylinders via an educator dip tube reaching down to the liquid product at the bottom.

Gas Withdrawal Gas Codes	Liquid Withdrawal Gas Codes
082D	082DE
082VT	_
_	082EE
082F	082FE
082G	082GE

GHS compliant label - Liquid Withdrawal cylinder



PLEASE NOTE: Liquid Withdrawal cylinders are identified by:

- \rightarrow Addition of 'E' to cylinder size as per the above label
- → Two black strips painted vertically down the side of the cylinder to indicate that a liquid withdrawal (educator) tube is fitted
- \rightarrow Some will also have a caution liquid supply cylinder sticker.

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ABN 95 000 029 729 10 Julius Avenue, North Ryde NSW 2113, Australia, www.boc.com.au There are several types of hazardous chemical that are excluded from the labelling provisions under Regulation 335 or exempted from coverage from all provisions in Part 7.1 of the WHS Regulations. One exemption is therapeutic goods which are regarded as correctly labelled under the WHS Regulations when labelled in accordance with Therapeutic Goods Administration (TGA) requirements and in a form:

 Intended for intake or administration to rby a patient or consumer, or

Intended for use for therapeutic purposes

Accordingly, when these conditions are met, existing labels and safety data sheets for these goods are considered to comply with WHS regulations.

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