



Hazard Communication Information Sheet reflecting the US OSHA Implementation of the *Globally Harmonized System (GHS) of Classification and Labelling of Chemicals*

Produced by the *SCHC-OSHA Alliance*
GHS/HazCom Information Sheet Workgroup

Oxidizing Gases

April 2017

How is Oxidizing Gasses defined under OSHA's Hazard Communication Standard (HCS) 2012?

Oxidizing gas means any gas which may, generally by providing oxygen, cause or contribute to the combustion of other material more than air does.

NOTE: "Gases which cause or contribute to the combustion of other material more than air does" means pure gases or gas mixtures with an oxidizing power greater than 23.5% (as determined by a method specified in ISO 10156 or 10156-2).

How is Oxidizing Gasses classified under HCS 2012?

Oxidizing gases are classified in a single category:

Table 1: Classification Criteria


Category	Category 1
Description	Any gas which may, generally by providing oxygen, cause or contribute to the combustion of other material more than air does.

Additional classification considerations:

Classification is performed in accordance with tests or calculation methods as described in ISO 10156 (incorporated by reference; See §1910.6) and ISO 10156-2 (incorporated by reference; See §1910.6).

Table 2 shows some of the label elements for classification category. The precautionary statements are not included due to space limitations of this fact sheet. See §1910.1200 for complete classification and labelling information.

Table 2: Hazard Communication Label Elements for oxidizing gases

Category	Category 1
Pictogram	
Signal Word	Danger
Hazard Statement	May cause fire or intensify fire; oxidizer

How is classification applied to mixtures?

Mixtures are classified based on available data on the finished product (mixture as a whole) or determined by a method specified in ISO 10156 or 10156-2.

To learn more...

- OSHA: Hazard Communication: <https://www.osha.gov/dsg/hazcom/index.html>
HCS 2012.
- SCHC site: <http://www.schc.org/osha-alliance>

The information contained in this sheet is believed to accurately represent current OSHA HCS requirements. However, SCHC cannot guarantee the accuracy or completeness of this information. Users are responsible for determining the suitability and appropriateness of these materials for any particular application.

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