

Title	Demonstrate knowledge of hazard classifications and adverse effects for explosive substances		
Level	3	Credits	4

Purpose	<p>This unit standard is intended for people who are the certified handlers in their workplace, under the Health and Safety at Work (Hazardous Substances) Regulations 2017, and who are involved in the manufacture and use of hazardous substances.</p> <p>People credited with this unit standard are able to demonstrate knowledge of hazard classifications for explosive substances, and identify adverse effects associated with explosive substances.</p>
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Classification	Occupational Health and Safety > Hazardous Substances and Materials
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Available grade	Achieved
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Guidance Information

- 1 Legislation applicable to this unit standard include but is not limited to – Health and Safety at Work Act 2015, Health and Safety at Work (Hazardous Substances) Regulations 2017, and Hazardous Substances and New Organisms Act 1996.
- 2 Definitions

Certified handler – someone who is qualified to handle very hazardous substances. A certified handler may also provide guidance and assistance to other people handling the substances.

Explosive substance – a reactive substance that contains a great amount of potential energy that can provide an explosion if released suddenly, usually accompanied by the production of light, heat, sound and pressure.

Hazardous substance – any substance that has one or more of the following properties (explosive, flammable, ability to oxidize, corrosiveness, toxicity, ecotoxicity) when above specified levels. A hazardous substance can have more than one hazardous property such as petrol which is flammable and toxic.

Organisational requirements – instructions to staff on policies and procedures which are documented in memo or manual format. These requirements include but are not limited to – site-specific requirements and any company quality management requirements.
- 3 Certified handlers are not responsible for classifying hazardous substances and it is not their responsibility or duty to draw/mark a hazardous zone on a site plan.

Outcomes and performance criteria

Outcome 1

Demonstrate knowledge of hazard classifications for explosive substances.

Performance criteria

- 1.1 Hazard classifications for explosive substances are identified and described in terms of the properties for explosive substances.
- 1.2 Explosive substances phases, pressures and lifecycles are described in terms of the hazard classifications and legislative requirements.

Outcome 2

Identify adverse effects associated with explosive substances.

Performance criteria

- 2.1 Adverse effects associated with the use and misuse of explosive substances are identified and described in accordance with legislative and organisational requirements.

Range evidence is required of three different adverse effects.
- 2.2 Precautions required to prevent unintended adverse effects associated with the use of storing explosive substances are described in accordance with legislative and organisational requirements.

Planned review date	31 December 2020
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	15 September 2011	N/A
Rollover and Revision	2	22 May 2014	N/A
Rollover and Revision	3	8 December 2016	N/A
Rollover and Revision	4	22 August 2019	N/A

Consent and Moderation Requirements (CMR) reference	0121
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Comments on this unit standard

Please contact The Skills Organisation reviewcomments@skills.org.nz if you wish to suggest changes to the content of this unit standard.