



## NEBOSH NATIONAL DIPLOMA UNIT C

### Introduction

This Supplement has been prepared to update your study material for Unit C of the NEBOSH National Diploma. You should study it in conjunction with your existing course material.

### Element C2: Loss Principles of Fire and Explosion

Properties of Flammable and Explosive Materials and The Mechanisms By Which They Ignite

#### Effects of Atomisation/Particle Size and Oxygen Content

At the end of this subsection, please insert the following **More box**:



More...

Guidance on the hazards from using oxygen in the workplace and the precautions needed when using oxygen equipment are set out in INDG459 *Oxygen Use in the Workplace: Fire and Explosion Hazards*, available at:

<http://www.hse.gov.uk/pubns/indg459.pdf>

### Element C3: Workplace Fire Risk Assessment

Identification of Hazards and The Assessment of Risk From Fire

#### Five Steps to Fire Risk Assessment

In the **More** box at the end of this subsection, please add the following:

"The Publicly Available Specification (PAS) 79:2012 *Fire Risk Assessment - Guidance and a recommended methodology* provides a structured approach to fire risk assessment and gives a nine-step approach and corresponding documentation for carrying out and recording significant findings of fire risk assessments in buildings."

Fixed and Portable Fire-Fighting Equipment

#### Portable Fire-Fighting Equipment

##### Siting of Extinguishers

Please delete the last bullet point under this subheading and substitute the following two paragraphs:

"Special extinguishers should be sited close (but not too close) to risk.

BS 5306-8:2012 *Fire extinguishing installations and equipment on premises Part 8: Selection and positioning of portable fire extinguishers - Code of practice*, gives guidance on the suitability and positioning of portable fire extinguishers."



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## Legal Obligations Related to Environmental Protection in the Event of A Fire

Please delete the 1st bullet point under this subheading and substitute the following:

- “The Environmental Permitting (England and Wales) Regulations 2010 cover discharges to surface water in England and Wales. The Regulations state that:

‘A person must not, except under and to the extent authorised by an environmental permit...cause or knowingly permit a water discharge activity or groundwater activity.’

It is likely that, if an organisation pollutes a river or other surface watercourse, they will be prosecuted under these Regulations.”

Then delete the 4th bullet point under this subheading.

## Element C4: The Storage, Handling and Processing of Dangerous Substances

### Storage, Handling and Transport of Dangerous Substances

#### Driver Training and The Role of Dangerous Goods Safety Adviser

##### The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009

At the end of the text under this subheading and immediately before the existing More box, please insert the following additional **More** box:



More...

The circumstances under which the carriage of dangerous goods could be exempt from requirements and prohibitions arising under the **Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009** are set out in the *Carriage of Dangerous Goods: Approved Derogations and Transitional Provisions* available at:

<http://assets.dft.gov.uk/publications/carriage-of-dangerous-goods-approved-derogations-transitional-provisions/approved-derogations-transitional-provisions.pdf>

## Element C5: Work Equipment (General)

### Risk Assessment and Use

#### The Risk Control Hierarchy

In the **More** box at the end of this subsection, please add the following:

“and also:

*INDG229 - Using Work Equipment Safely* available from:

<http://www.hse.gov.uk/pubns/indg229.pdf>”



## Element C7: Work Equipment (Mobile, Lifting and Access)

Mobile Work Equipment: Hazards and Control Measures

### Mobile Work Equipment: Control Measures

Importance of Operator Protection, etc.

- **Means of Fire Fighting**

Please amend the last sentence under this subheading to read:

“For self-propelled work equipment that is used on the public highways carrying a dangerous load, it may be necessary to carry suitable fire extinguishers.”

## Element C9: Construction Hazards and Controls

Scope and Application of the Construction (Design and Management) Regulations 2007

### Designers

At the end of the 2nd paragraph under this subheading, please add the following:

“BS 8560:2012 *Code of practice for the design of buildings incorporating safe work at height* encourages designers to: assess as early as possible in the design process how work at height can be minimised; and provide practical, efficient, cost-effective solutions where necessary for safe work at height.”

Working at Height From Fixed or Temporary Platforms

### Safe Methods in Roofwork

#### Precautions During Work on Fragile Roofs

After the 4th paragraph in this subsection, please insert the following new paragraph:

“Guidance on working on fragile roofs is available in the HSE Information Sheet *Fragile Roofs – Safe Working Practices* (GEIS5) which explains which surfaces present a particular risk and provides examples of safe systems of work for typical jobs on fragile roofs.”