



H₂ - CHARACTERISTICS OF HYDROGEN AND ASSOCIATED RISKS

Réf : e-Gesip/H₂ (October 2025)

Type of training : e-learning.

Duration : 2 hours

Who is this training intended for ?

This course is aimed at intervention personnel (1st and 2nd intervention team, auxiliary firefighter, professional industrial firefighter, public emergency firefighter) faced with a hydrogen fire, but also at all personnel who need to know the fundamental aspects of hydrogen, in order to manage and/or direct an intervention on a hydrogen fire.

Public with disabilities :

Our disability referent is at your disposal : accueil.handicap@gesip.com

Training objective :

Know the risks associated with hydrogen and how to respond to a flaming hydrogen leak.

Objectifs pédagogiques :

- Understand the **generalities** and **uses** of hydrogen
- Understand the physicochemical **characteristics** of hydrogen
- Understand the **storage** methods and **regulatory points** for hydrogen
- Understand the generic and specific **risks** associated with hydrogen
- Be aware of recent **accident examples**
- Understand the **safety** aspects and **principles of intervention** in a hydrogen fire.

Prerequisite :

- none

Learning validation system :

- Multiple Choice Questions test upon completion of the training.
- Validation of training acquired during a final test (MCQ format).

Technical details :

This training is offered as an e-learning course.

- It is essential get one computer/tablet
- An internet connection is required.
- A login link will be provided to you, along with the various terms and conditions for using our e-Gesip platform.



Training content :

e-Gesip	
Duration 2h00	Module 1 : General information on hydrogen and its uses Module 2 : Characteristics and combustion Module 3 : Storage and regulation Module 4 : Generic risks, leaks, anoxia, acoustics Module 5 : Gaseous/Liquid Hydrogen Risks Module 6 : Accidentology Module 7 : Safety and intervene