

Awareness of sodium risks

Thanks to its 120 years of production and its dedicated technical support department, MSSA has acquired the knowledge of the risks involved in handling sodium. MSSA puts all its experience at your service by offering training courses adapted to your needs.

The objective of this training is to provide detailed information on the physical and chemical properties of sodium, the risks and associated safety precautions and protection. Our specialists can study your specific problems and make recommendations for appropriate solutions.



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- Duration of training: 1 day
- Capacity: group of 6
 people



Sodium training can take place either in **our plant** or on **your site.**

Publics

This training is designed to minimize the risk in handling sodium and is therefore necessary for :

- · Operators who handle sodium on a daily basis;
- Firefighters or site response team responding to a sodium incident;
- HSE, operations, process and maintenance team;
- New hire.

No pre-requisites are required.







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Training content

The theoretical classroom training is based on an e-learning platform with the following modules:



Physico-chemical properties of sodium : Illustration of physical properties, including the production of oxides/caustic soda.

Risks related to sodium and first aid

Maintenance :

How to safely disassemble and

decontaminate sodium equipment?

Sodium/water reaction : mechanism, hazard

Destruction of sodium

residues

Presentation of different

methods.

Sodium fire: What are the specifications and mechanisms of a sodium fire? Sodium fire: What extinguishing agent to use? What are the emergency interventions?

Personal protection equipment

Depending on your needs, the content of the training can be adapted to your requirements

Packaging



The practical exercises are divided into 4 themes:

Sodium-water reaction : Demonstration of sodium explosion Decontamination of equipment in the workshop

Sodium handling : Handling a sodium ingot, observation of sodium oxidation Sodium fire: Observation of the characteristics of the sodium fire and its extinction in real conditions



The course is concluded with an individual assessment in the form of a final quiz. A training certificate is issued following the validation of a final evaluation.