

## Public

- Personnel responsible for shipping and receiving dangerous goods by road and sea
- Personnel responsible for organizing transport and loading/unloading of transport vehicles

## Pre-requisites

- None

## Admission requirements

- None other than the pre-requisites

## Training length

- 14 hours

## Number of participants

- 10 participants maximum

## Learning methods and modalities

- Face to face
- In English
- Participants must have transport regulations: IMDG code, ADR and the French « *arrêté TMD* » up to date
- Alternation of face-to-face sessions, individualization, independent activities, and educational games

## Trainers' skills

- Trainers who are experts in the Dangerous Goods field and have completed a pedagogical qualification program

## Documents issued

- Training certificate

*Disabled candidates may contact the local disability officer for accessibility options*

## Contact us at :

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## ADR/IMDG – Sending Dangerous Goods by road and sea

### Main goals of this training

- ◆ Identify the risks associated with each hazardous material
- ◆ Identify the different types of packaging for hazardous materials
- ◆ Apply regulations for the transport of hazardous materials by road and sea during the shipment of dangerous goods.
- ◆ Apply the requirements for preparing a maritime declaration
- ◆ Apply rules for container loading
- ◆ Understand the specifics of national and local ports.

### The benefits of the training



- ◆ Innovative way of training people
- ◆ An active and interactive training with practical cases
- ◆ A dedicated booklet will be given to trainees

### Evaluation of learning achievements

- ◆ Final test

### Achievement

- ◆ Certificate of completion provided to the participant according to Chapter 1.3 of the applicable ADR and IMDG code.
- ◆ Level: 5
- ◆ Possibility of validating one or more competency blocks : Not applicable
- ◆ National registration codes: Not registered

### Accreditation

- ◆ Not applicable

## SYLLABUS

SEQUENCE	OBJECTIVE	DURATION
0	<b>Identify the objectives and steps of the training</b>	/
<ul style="list-style-type: none"> <li>Verification of prerequisite requirements</li> <li>Introduction to the center, the teaching team, and the available resources</li> <li>Presentation of the training program</li> <li>Practical arrangements</li> <li>Roundtable introduction</li> </ul>		EDUCATIONAL AND TECHNICAL RESOURCES  Room equipped with multimedia set

SEQUENCE	OBJECTIVE	DURATION
1	<b>Understand the regulatory context for the transport of hazardous materials by road and sea</b>	<b>Duration varies depending on the participants' needs</b>
<b>Regulatory context:</b> <ul style="list-style-type: none"> <li>ADR and "arrêté TMD"</li> <li>IMDG code</li> <li>General port regulations and local regulations: Marseille, Rouen, Le Havre, Dunkerque...</li> <li>Divisions 411/423 (French regulations)</li> <li>Structure of the IMDG code and ADR</li> </ul>		EDUCATIONAL AND TECHNICAL RESOURCES  Room equipped with multimedia set Pedagogical resources

SEQUENCE	OBJECTIVE	DURATION
2	<b>Identify the risks associated with hazardous materials</b>	<b>Duration varies depending on the participants' needs</b>
<b>Raising awareness of the risks of hazardous materials:</b> <ul style="list-style-type: none"> <li>Physical properties</li> <li>Chemical properties</li> </ul> <b>Examples of maritime accidents</b>		EDUCATIONAL AND TECHNICAL RESOURCES  Video: Hazardous Materials experiences

SEQUENCE	OBJECTIVE	DURATION
3	<b>Identify the classification of a product based on its risks</b>	<b>Duration varies depending on the participants' needs</b>
<b>Classification and identification of dangerous goods</b> <ul style="list-style-type: none"> <li>Product classes</li> <li>Class divisions</li> <li>Packing groups</li> <li>Marine pollutants / Environmentally hazardous</li> <li>Differences between ADR and the IMDG code (ex.: UN 1856, ...)</li> </ul>		EDUCATIONAL AND TECHNICAL RESOURCES  Room equipped with multimedia set Pedagogical resources

SEQUENCE	OBJECTIVE	DURATION
4	<b>Total exemptions in ADR and IMDG</b>	<b>Duration varies depending on the participants' needs</b>
<b>Total exemptions</b> <ul style="list-style-type: none"> <li>General exemptions</li> <li>Special provisions</li> <li>Differences between ADR and the IMDG code (ex.: UN 2794, DS 598)</li> </ul>		EDUCATIONAL AND TECHNICAL RESOURCES  Room equipped with multimedia set Pedagogical resources

SEQUENCE	OBJECTIVE	DURATION
5	<b>Identify the applicable regulations for packages in limited quantities and excepted quantities</b>	<b>Duration varies depending on the participants' needs</b>
<b>Packages in limited quantities</b> <ul style="list-style-type: none"> <li>▪ Determination of maximum weight/volume per package</li> <li>▪ Marking of packages, overpacks</li> <li>▪ Marking transport vehicles</li> <li>▪ Information to add on the transport document</li> </ul> <b>Packages in excepted quantities</b> <ul style="list-style-type: none"> <li>▪ Determination of maximum weight/volume per package</li> <li>▪ Marking of packages, overpacks</li> <li>▪ Quantity loading limits</li> <li>▪ Information to add on the transport document</li> <li>▪ Specificities of the IMDG code</li> </ul>		<b>EDUCATIONAL AND TECHNICAL RESOURCES</b>  Room equipped with multimedia set Pedagogical resources  Practical exercises

SEQUENCE	OBJECTIVE	DURATION
6	<b>Select, mark and label a package according to the type of dangerous goods</b>	<b>Duration varies depending on the participants' needs</b>
<b>Packaging (not subject to exemptions)</b> <ul style="list-style-type: none"> <li>▪ Different types of packaging (drums, jerricans, IBCs, large packages...)</li> <li>▪ Approval</li> <li>▪ ADR/IMDG packaging marking</li> <li>▪ Labelling</li> <li>▪ Packing instructions</li> <li>▪ Overpack (marking/labelling)</li> </ul>		<b>EDUCATIONAL AND TECHNICAL RESOURCES</b>  Room equipped with multimedia set Pedagogical resources Video: identification and packaging of Dangerous Goods

SEQUENCE	OBJECTIVE	DURATION
7	<b>Apply the requirements for partial exemption transports</b>	<b>Duration varies depending on the participants' needs</b>
<b>Partial exemption 1.1.3.6</b> <ul style="list-style-type: none"> <li>▪ Principle</li> </ul>		<b>EDUCATIONAL AND TECHNICAL RESOURCES</b>  Room equipped with multimedia set Pedagogical resources

SEQUENCE	OBJECTIVE	DURATION
8	<b>Identify the personnel subject to mandatory training</b>	<b>Duration varies depending on the participants' needs</b>
<b>Training</b> <ul style="list-style-type: none"> <li>▪ Drivers</li> <li>▪ 1.3 training</li> <li>▪ Dangerous Goods Safety Advisors</li> </ul>		<b>EDUCATIONAL AND TECHNICAL RESOURCES</b>  Room equipped with multimedia set Pedagogical resources

SEQUENCE	OBJECTIVE	DURATION
9	<b>Prepare the mandatory documents for the transport of dangerous goods by road and sea</b>	<b>Duration varies depending on the participants' needs</b>
<b>Onboard documents</b> <ul style="list-style-type: none"> <li>▪ Road</li> <li>▪ Maritime</li> <li>▪ Private individual</li> </ul>		<b>EDUCATIONAL AND TECHNICAL RESOURCES</b>  Room equipped with multimedia set Pedagogical resources Practical exercises

SEQUENCE	OBJECTIVE	DURATION
10	Check the compliance of the loading of a transport vehicle	Duration varies depending on the participants' needs
<i>Prohibition of mixed loading on road - ADR</i> <i>Loading of a transport vehicle – IMDG code</i> <ul style="list-style-type: none"> <li>▪ Separation rules <ul style="list-style-type: none"> <li>- Segregation rules (SG)</li> </ul> </li> <li>▪ Blocking/stowing <ul style="list-style-type: none"> <li>- Stowage categories (SW)</li> </ul> </li> </ul> <i>General principle of ship loading</i>		EDUCATIONAL AND TECHNICAL RESOURCES  Room equipped with multimedia set Pedagogical resources Practical exercises

SEQUENCE	OBJECTIVE	DURATION
11	Check the placarding and marking, and equipment of a transport vehicle	Duration varies depending on the participants' needs
<i>Placarding / marking / equipment</i> <ul style="list-style-type: none"> <li>▪ Carriage in packages</li> <li>▪ Carriage in tanks</li> <li>▪ Differences between ADR and IMDG code</li> </ul>		EDUCATIONAL AND TECHNICAL RESOURCES  Room equipped with multimedia set Pedagogical resources Practical exercises

SEQUENCE	OBJECTIVE	DURATION
12	Describe the regulations applicable to pre-transport	Duration varies depending on the participants' needs
<i>Pre-transport</i> <ul style="list-style-type: none"> <li>▪ Packaging</li> <li>▪ Documents</li> </ul>		EDUCATIONAL AND TECHNICAL RESOURCES  Room equipped with multimedia set Pedagogical resources Practical exercises

SEQUENCE	OBJECTIVE	DURATION
13	Security: Identify the applicable recommendations	Duration varies depending on the participants' needs
<i>Security</i> <ul style="list-style-type: none"> <li>▪ General provisions</li> <li>▪ Safety plan</li> </ul>		EDUCATIONAL AND TECHNICAL RESOURCES  Room equipped with multimedia set Pedagogical resources

SEQUENCE	OBJECTIVE	DURATION
14	Identify the obligations of the various participants in the transport chain	Duration varies depending on the participants' needs
<i>Responsibilities</i> <ul style="list-style-type: none"> <li>▪ Obligations of: <ul style="list-style-type: none"> <li>- The consignor</li> <li>- The packer</li> <li>- The loader</li> <li>- The freight forwarder</li> <li>- The company</li> </ul> </li> </ul>		EDUCATIONAL AND TECHNICAL RESOURCES  Room equipped with multimedia set Pedagogical resources

SEQUENCE	OBJECTIVE	DURATION
<b>15</b>	<b>Evaluate the learning outcomes of the training</b>	<b>/</b>
<ul style="list-style-type: none"> <li>▪ Final test (optional)</li> </ul>		<b>EDUCATIONAL AND TECHNICAL RESOURCES</b>
		Room equipped with multimedia set Pedagogical resources Test

SEQUENCE	OBJECTIVE	DURATION
<b>16</b>	<b>Review and summary of the training</b>	<b>/</b>
<ul style="list-style-type: none"> <li>▪ Assessment</li> <li>▪ Summary</li> <li>▪ Customer satisfaction evaluation</li> </ul>		<b>EDUCATIONAL AND TECHNICAL RESOURCES</b>
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