

## Procedure dangerous goods on transport

### IMO dangerous goods declaration

#### Summary

During the planning of a research expedition on the Pelagia and other ships good care must be taken on the preparation of the required forms for the dangerous goods.

A list of UN numbers and amount of dangerous goods have to be brought to Department SML at least **a week before the start** of the transport.

He will check the information and prepare a "**MULTIMODAL DANGEROUS GOODS FORM – IMDG Code**" which is required for the customs and for safety reasons. You also have to prepare a "**Dangerous goods safety sheet Pelagia**" These sheets can be found on the [NIOZ website](#), only cruise information and amount need to be added; chemical and safety information is already prepared for most dangerous goods.

#### General

This procedure is a guideline how to handle dangerous goods on board of the NIOZ vessels and on transport with the NIOZ truck.

The primary responsibility is for the cruise (expedition) leader. He/she can appoint people to take care of the required activities under his/her responsibility.

The people responsible for the loading of the containers, the ship and the cargo (chief officer) will see to it, that all the actions will be done according to the regulations.

All dangerous goods must be packed (as much as possible) in unbreakable packing. If plastic is used then be sure that the package is not older than 5 years (see UN-label on the package for production year). If glass has to be used also use a shock absorbing outer package.

Try to use as much as possible packages under limited quantities.

On board, dangerous goods must be stored as much as possible in the yellow safety cabinet. Only small amount for direct use, are allowed in the work space.

Try to keep these goods as much as possible in the back of the lab. container. To transport radioactive materials, please contact the NIOZ radiation safety officer.

#### Not NIOZ cruises

For transport to and from other institutes, companies or ships, other requirements are possible. Make sure you have the right information of the other organization and ask Department SML for the technicalities. This can avoid delay and extra costs.

## NIOZ cruises

Disposal of chemical waste should be done at the NIOZ by the expedition leader.

Waste should also be stored in the yellow safety cabinet.

Per transport (container or set of boxes) a special form should be prepared: "**MULTIMODAL DANGEROUS GOODS FORM – IMDG Code**". This will be done by Department SML.

For this he needs a accurate list of all the dangerous goods with the UN-number, size of the packages and amounts in liters or kilos. This list can be acquired from the NIOZ Health & Safety website called "**index safety sheets**". Only amounts need to be filled in.

## Safety sheet

For every kind of dangerous goods a "**Dangerous goods safety sheet Pelagia**" is required. You can find this information on the Health & Safety website; safety information is already prepared, only cruise information needs to be filled in.

These sheets have to be printed twice, for container transport one set goes in the container. The other set stays with the driver and will be given to the chief officer.

For loading in the NIOZ-harbour, one set is for the user, the other set goes to the chief officer.

If there is no "**Dangerous goods safety sheet Pelagia**" (because it has never been used before on transport) an empty safety sheet can be found on the Health & Safety website and must be filled in with information from International Chemical Safety Card ([ICSC](#)) or the supplier.

Always check these forms after preparation with the contact person of Health & Safety, so it can be uploaded on the website for further use. In case of mixed dangerous goods or dilutions also ask Department Health & Safety for advice. For every kind of mixture a safety sheet can be made.

## Labeling

Every packing unit needs to be labeled according to the risk classes (see **Index safety sheets**) completed with name of chemical + CAS number + UN Number + name user/expedition leader + dates start + end time on board/transport.

## Remarks

The storage capacity is very limited. Amount more than 100 kg must be reported **1 month before** transport by Department SML. Excessive amount will cause problems for the other cruises so please try to limit the amount to reasonable quantities.

Gasses must always be reported 1 month in advance, these can not be transported as limited quantities.

If there are still some problems in this procedure, please ask the departments SML or Health & Safety.

## Data needed on the "MULTIMODAL DANGEROUS GOODS FORM – IMDG Code"

1. Shipper
2. Transport document number
4. Shippers reference
6. Consignee ("the one to send to")
10. Vessel
11. Port/place of loading
12. Port/place of discharge
14. Shipping marks  
(number and kind of packages and description of goods,  
Gross mass, Net mass, Cube)
15. Container identification number
20. Name of company

Furthermore you need to collect the UN-numbers, which can be found on the package, on the MSDS-sheet (Material Safety Data Sheet) in section 14 (Transport information), or on the Pelagia Safety Sheet.

### **Please note:**

When you buy chemicals, check if it is possible to buy package sizes under limited quantities!