
CARRIAGE OF DANGEROUS GOODS (DANGEROUS WASTE AND CHEMICALS) FOR THE HEALTH AND SAFETY AT WORK GROUP AT THE INSTITUTE OF BIOLOGY

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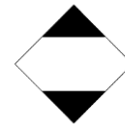
1 RULES FOR TRANSPORTING DANGEROUS GOODS IN SMALLER QUANTITIES

1. Limited amounts according to ADR 3.4
2. Exemptions according to ADR 1.1.3.6

On the next page is a list of the demands for the two different set of rules for dangerous goods in smaller quantities, while there is a block flow chart for the determination of regulatory of carriage on the last pages.

1.1 Transporting limited quantities of dangerous goods according to ADR 3.4

- The driver must have an ADR chap. 1.3 training, which has to be documented.
- Max. 1 litre in inner packaging and total gross mass of 30 kg in outer packaging, which must be UN certified. Several outer packagings can be carried.
- The inner packagings must be securely packed in intermediate packaging material, absorbent if necessary, in order to be protected under normal conditions of carriage.
- Outer packaging must be UN certified.
- Marking of outer packaging/package with:
 - The marking for limited quantities (3.4.7),
 - "Overpack"¹, 
 - Direction arrows on two opposite sites. 
- The outer packaging(s) must be placed in the vehicle according to the direction arrows.
- The outer packaging(s) must be secured inside the vehicle.
- Smoking is prohibited when handling dangerous goods, nearby the vehicle, and inside the vehicle's "cargo space".



¹ "Overpack" indicates that additional outer packaging is used.

The marking must be used when packagings are packed in additional packaging in the form of boxes, drums etc. or is wrapped in foil. "Overpack" is also used in other situations than carriage in accordance with the regulations in ADR 3.4.

- If dangerous goods are spilled in the vehicle, clean up after the unloading.
- It is allowed to bring passengers on a carriage of dangerous goods when driving in accordance with the regulations in ADR 3.4, since part 8 in ADR does not need to be complied with in principle.

A check list has been prepared in appendix 2 in order to secure that the various markings are not forgotten etc. before the carriage starts.

REMEMBER: If you do not have UN certified packagings for your own solutions you must drive according to ADR 3.4.

Only bring packagings containing up to 1 litre packed in a certified outer packaging.

1.2 Transporting dangerous goods according to exemptions ADR

1.1.3.6:

- The driver must have an ADR chap. 1.3 training, which has to be documented.
- Correct packing in UN certified packaging.
- Classification and preparation of a transport document for all chemicals and substances. It must be summarized in a table or such that there is being transported a maximum of 1000 units.
- Marking of each packaging/package with danger placards etc.
 - (for UN 1170 with no. 3),
 - Direction arrows on two opposite sites.
- Bring at least one certified fire extinguisher weighing at least 2 kg.
- The extinguishing agent must be suitable for use on a vehicle and comply with relevant demands.
- The portable fire extinguisher must be provided with a seal, which indicates, that it has not been used.
- The portable fire extinguisher has to be easy accessible for the driver of the vehicle.
- Bring certified spark free flashlight.²



²) Spark free flashlights are equivalent to the "portable lighting apparatus" in ADR.

- It is not allowed to open packages! NOTE –if working in the field this can mean that the transport document most likely needs to be updated before further transport!
- Smoking is prohibited when handling dangerous goods, nearby the vehicle, and inside the vehicle’s “cargo space”.
- It is allowed to bring passengers on a carriage of dangerous goods when driving in accordance with the regulations in ADR 1.1.3.6, since part 8 in ADR does not need to be complied with in principle.
- If the individual certified packagings are packed in an additional outer packaging, the outer packaging has to be marked with:

- “Overpack”



- Direction arrows on two opposite sites.



If the individual placards and UN numbers cannot be seen, you must also apply

- The placard(s) used
- UN numbers used

A listing of danger placards can be found in section 2.

A check list has been provided in the transport document in order to help remember everything as well as being a tool for calculating units and thereby a documentation of compliance with the amounts being transported.

In section 6 there are examples of transport documents and appendix 1 is a master for the transport document for an ADR 1.1.3.6 transport.

2 PLACARDS

The most commonly used placards in carriages from SDU are:

- Class 3 liquid desensitized explosives
- Class 6.1 toxic substances
- Class 8 corrosive substances

On the following 3 pages there will be a list of placards with a description of the symbols. The list is from ADR chap. 5.2. **Note** that in some cases different colours of the symbols are allowed i.e. placard 3 should have a red background while the flame and the number can be either white or black.

CLASS 1 HAZARD
Explosive substances or articles



(No. 1)

Divisions 1.1, 1.2 and 1.3

Symbol (exploding bomb): black; Background: orange; Figure '1' in bottom corner



(No. 1.4)
Division 1.4



(No. 1.5)
Division 1.5



(No. 1.6)
Division 1.6

Background: orange; Figures: black; Numerals shall be about 30 mm in height and be about 5 mm thick (for a label measuring 100 mm x 100 mm); Figure '1' in bottom corner

- ** Place for division - to be left blank if explosive is the subsidiary risk
- * Place for compatibility group - to be left blank if explosive is the subsidiary risk

CLASS 2 HAZARD
Gases



(No. 2.1)

Flammable gases

Symbol (flame): black or white;
(except as provided for in 5.2.2.2.1.6 (d))
Background: red; Figure '2' in bottom corner



(No. 2.2)

Non flammable, non-toxic gases

Symbol (gas cylinder): black or white;
Background: green; Figure '2' in bottom corner



CLASS 3 HAZARD
Flammable liquids



(No. 2.3)

Toxic gases

Symbol (skull and crossbones): black;
Background: white; Figure '2' in bottom corner



(No. 3)

Symbol (flame): black or white;
Background: red; Figure '3' in bottom corner

CLASS 4.1 HAZARD
Flammable solids, self-reactive substances and solid desensitized explosives



(No. 4.1)
Symbol (flame): black;
Background: white with seven vertical red stripes;
Figure '4' in bottom corner

CLASS 4.2 HAZARD
Substances liable to spontaneous combustion



(No. 4.2)
Symbol (flame): black;
Background: upper half white, lower half red;
Figure '4' in bottom corner

CLASS 4.3 HAZARD
Substances which, in contact with water, emit flammable gases



(No. 4.3)
Symbol (flame): black or white;
Background: blue;
Figure '4' in bottom corner

CLASS 5.1 HAZARD
Oxidizing substances



(No. 5.1)
Symbol (flame over circle): black;
Background: yellow;
Figure '5.1' in bottom corner

CLASS 5.2 HAZARD
Organic peroxides



(No. 5.2)
Symbol (flame): black or white;
Background: upper half red; lower half yellow;
Figure '5.2' in bottom corner

CLASS 6.1 HAZARD
Toxic substances



(No. 6.1)
Symbol (skull and crossbones): black;
Background: white; Figure '6' in bottom corner

CLASS 6.2 HAZARD
Infectious substances



(No. 6.2)
The lower half of the label may bear the inscriptions: 'INFECTIOUS SUBSTANCE' and 'In the case of damage or leakage immediately notify Public Health Authority';
Symbol (three crescents superimposed on a circle) and inscriptions: black;
Background: white; Figure '6' in bottom corner

CLASS 7 HAZARD
Radioactive material



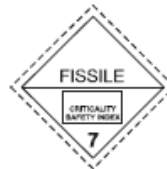
(No. 7A)
Category I - White
Symbol (trefoil): black;
Background: white;
Text (mandatory): black in lower half of label:
'RADIOACTIVE'
'CONTENTS'
'ACTIVITY'
One red bar shall
follow the word 'RADIOACTIVE';
Figure '7' in bottom corner.



(No. 7B)
Category II - Yellow
Background: upper half yellow with white border, lower half white;
Symbol (trefoil): black;
Text (mandatory): black in lower half of label:
'RADIOACTIVE'
'CONTENTS'
'ACTIVITY'
In a black outlined box: 'TRANSPORT INDEX';
Two red vertical bars shall follow the word 'RADIOACTIVE';

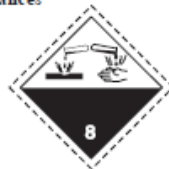


(No. 7C)
Category III - Yellow
Background: upper half yellow with white border, lower half white;
Symbol (trefoil): black;
Text (mandatory): black in lower half of label:
'RADIOACTIVE'
'CONTENTS'
'ACTIVITY'
In a black outlined box: 'TRANSPORT INDEX';
Three red vertical bars shall follow the word 'RADIOACTIVE';
Figure '7' in bottom corner.



(No. 7E)
Class 7 fissile material
Background: white;
Text (mandatory): black in upper half of label: 'FISSILE';
In a black outlined box in the lower half of the label:
'CRITICALITY SAFETY INDEX'
Figure '7' in bottom corner.

CLASS 8 HAZARD
Corrosive substances



(No. 8)
Symbol (liquids, spilling from two glass vessels
and attacking a hand and a metal): black;
Background: upper half white;
lower half black with white border;
Figure '8' in bottom corner

CLASS 9 HAZARD
Miscellaneous dangerous substances and articles



(No. 9)
Symbol (seven vertical stripes in upper half): black;
Background: white;
Figure '9' underlined in bottom corner

3 CARRIAGE OF CHEMICALS - CAMPUS ODENSE AND EXTERNAL ADRESSES

When carriage of dangerous goods internally between SDU's departments at Campusvej, Niels Bohrs Alle, Windsløwsparken or special carriage to another address, i.e. in connection with field work, a transport document must be filled in and brought along during the carriage of goods.

The following sections 3.1 and 3.2 are lists of chemicals, which are being transported in connection with field work.

In each table is listed the name of the chemical, the description of goods, if it is dangerous goods, the marking, and in the last column the packing rules and classification code.

For the preparation of a transport document there is a spreadsheet prepared in Excel with a compiled list of the dangerous goods chemicals.

Besides the general information in the transport document, state in column:

- C with a X whether or not the chemical is on the transport
- J number of packagings of the chemical
- K type of packaging – corrected if not correct
- L the amount of chemical
- M the unit for the declaration of the amount of chemical

And column N then indicates the calculated number of points for the particular carriage.

After filling in the relevant data for the particular carriage, delete rows which are not relevant, print the entire transport document, and bring it along on the carriage of goods.

The transport document can be found in appendix 1.

3.1 Carriage of chemicals between Campus Odense and the biological field station Søgård

Chemical name	Description of goods and marking	Mixed packing rules, classification code, and remarks
Ethanol 96%	UN 1170 Ethanol, 3, II	Packing: MP19 Classification code F1
Conc. Hydrochloric acid	UN 1789 Hydrochloric acid, 8, II	Packing: MP15 Classification code C1
Conc. Sulphuric acid	UN 1830 Sulphuric acid, 8, II	Packing: MP15 Classification code C1
Ammonium heptamolybdate	Non-dangerous goods	
Ascorbic acid	Non-dangerous goods	
Potassium peroxide sulphate	UN 1492, Potassium peroxide sulphate, 5.1; III	Packing: MP10 Classification code O2
Ferrozine	Non-dangerous goods	
Sodium acetate	Non-dangerous goods	
Acetic acid (with more than 10%, but less than 50 weight-% acid)	UN 2790 Acetic acid solution, 8, III	11, 5 % solution Packing: MP19 Classification code C3
Hydroxylamine hydrochloride	UN 2923 corrosive, solid, toxic, n.o.s.(Hydroxylamine hydrochloride), 8 (6.1), III Must be marked as environmentally hazardous substances	Packing: MP18 Classification code CT2
<p>As a general rule which applies for all carriages: only bring substances in very small amounts – only a few grams or up to 100 ml.</p>		

Rules for packing in the same outer packaging – if packing in the same outer packaging ensure each time that the packaging is permitted for the chemicals in question. This can be clarified using the packing code. A list of applied codes can be found at the end of the document.

Besides being permitted to be packed together and that they must not react dangerously with one another there are the following restrictions on the above mentioned chemicals:

MP10 max. 5 kg per inner packaging

MP15: max. 3 litres per inner packaging

MP18 max. 0.5 kg per inner packaging

MP19 max. 5 litres per inner packaging

Therefore Asses each time whether or not the chemicals can react dangerously with each other and do not pack in larger amounts than what has been specified for the substance.

There are no specific demands for carriage of non-dangerous goods.

A transport document must be prepared in accordance with ADR 1.1.3.6 (see appendix 1) for these types of carriages and the driver must have the ADR 1.3 training.

3.2 Carriage of chemicals between Campus Odense and Hindsholmvej 11, Kerteminde

Chemical name	Description of goods and marking	Mixed packing rules, classification code, and remarks
Paraformaldehyde, 4 % solution	Non-dangerous goods	
Ethanol 96%	UN 1170 Ethanol, 3, II	Packing: MP19 Classification code F1
Ethanol 70%	UN 1170 Ethanol, 3, II	Packing: MP19 Classification code F1
NEM-PBS (10 mM N-ethylmaleimide)	Non-dangerous goods	Dissolved in phosphate buffer
MS-222 (Ethyl 3-aminobenzoate methanesulfonate)	Non-dangerous goods	Anaesthetic for fish
Ferrozine	Non-dangerous goods	

Chemical name	Description of goods and marking	Mixed packing rules, classification code, and remarks
Hydroxylamine	UN 3082 Environmentally hazardous, n.o.s. (Hydroxylamine 50% solution), 9, III Must be marked as environmentally hazardous substances	Packing: MP19 Classification code M6
Zink acetate (20 %)	UN 3082 environmentally hazardous liquid, n.o.s. (zinc acetate solution, 20 %), 9, III Must be marked as environmentally hazardous substances	Packing: MP19 Classification code M6
Conc. Hydrochloric acid	UN 1789 Hydrochloric acid, 8, II	Packing: MP15 Classification code C1
Hydrochloric acid, 6M	UN 1789 Hydrochloric acid, 8, II	Packing: MP15 Classification code C1
Sodium hydroxide solution, 10 M	UN 1824 Sodium hydroxide solution, 8, II	Packing: MP15 Classification code C5
Sodium hydroxide solution, 1 M	UN 1824 Sodium hydroxide solution, 8, III	Packing: MP19 Classification code C5
Zinc Chloride, 20 % solution	Non-dangerous goods	
NaNO ₂	UN 1500 sodium nitrite, 5.1 (6.1), III Must be marked as environmentally hazardous substances	Packing: MP10 Classification code OT2
Ammonium chloride	Non-dangerous goods	
Sodium bicarbonate	Non-dangerous goods	
Sodium salt-solution	Non-dangerous goods	
H ₂ S solution 100 mM	Non-dangerous goods	Dissolved in water
Cline-reactant (diamin, FeCl ₃ and 6M HCl)	2922 corrosive liquid, toxic, n.o.s. (hydrochloric acid and diamine/hydrazine), 8 (6.1), II Must be marked as environmentally hazardous substances	Packing: MP15 Classification code CT1

Chemical name	Description of goods and marking	Mixed packing rules, classification code, and remarks
Glutaraldehyde, 70 % solution	UN 2922 Corrosive liquid, toxic, n.o.s.(Glutaraldehyde), 8 (6.1), II Must be marked as environmentally hazardous substances	Packing: MP15 Classification code CT1
Glutaraldehyde, 50 % solution	UN 3265 Corrosive acidic organic liquid, n.o.s.(Glutaraldehyde), 8, II Must be marked as environmentally hazardous substances	Packing: MP15 Classification code C3
Glutaraldehyde, 25 % solution	Non-dangerous goods	
Paraformaldehyde, pure	UN 2213 Paraformaldehyde, 4.1, III	Packing: MP10 Classification code F1
Paraformaldehyde 4 %	Non-dangerous goods	
HgCl ₂ – saturated solution	UN 2024 mercury compound, liquid, n.o.s. (Mercuric chloride solution, saturated) 6.1, II Must be marked as environmentally hazardous substances	Packing: MP15 Classification code T4
Ethanolamine	UN 2491 Ethanolamine, 8, III	Packing: MP19 Classification code C7
Hypochlorite 15 %	UN 1791 Hypochlorite solution, 8, III Must be marked as environmentally hazardous substances	Packing: MP15 Classification code C3
Acetate (100 mM)	Non-dangerous goods	
Liquid nitrogen	UN 1066 Nitrogen, compressed, 2.2	Packing: MP9 Classification code 1A
Dry ice	Non-dangerous goods	
petrol (5 litre tank)	Reserve fuel in a <u>certified</u> reserve fuel tank.	See section 4 for further information on fuel for boats on field work.

As a general rule which applies for all carriages: only bring substances in very small amounts – only a few grams or up to 100 ml.

Rules for packing in the same outer packaging – if packing in the same outer packaging ensure each time that the packaging is permitted for the chemicals in question. This can be clarified using the packing code. A list of applied codes can be found at the end of the document.

Besides being permitted to be packed together and that they must not react dangerously with one another there are the following restrictions on the above mentioned chemicals:

MP9:	With other goods of Class 2
MP10:	max. 5 kg per inner packaging
MP15:	max. 3 litres per inner packaging
MP18:	max. 0.5 kg per inner packaging
MP19:	max. 5 litres per inner packaging

There are no specific demands for carriage of non-dangerous goods.

A transport document must be prepared in accordance with ADR 1.1.3.6 (see appendix 1) for these types of carriages and the driver must have the ADR 1.3 training.

4 CARRIAGE OF BOAT FUEL FOR FIELD WORK

SDU's main activities are education and research while transporting boat fuel in connection with field work is ancillary to the universities main activity. Therefore, the exemptions in ADR 1.1.3.1(c) can be applied.

The general regulations in ADR do not apply for (ADR text):

- The carriage undertaken by enterprises which is ancillary to their main activity, such as deliveries from building or civil engineering sites, or in relation to surveying, repairs and maintenance, in quantities of not more than 450 litres per packaging and within the maximum quantities specified in 1.1.3.6. Measures shall be taken to prevent any leakage of contents in normal conditions of carriage.

Boat fuel is petrol with UN number 1203, and is a Class 3, packaging group II.

According to ADR 1.1.3.6 you can transport maximum 333 litres of petrol for SDU's own use of boat fuel in connection with field work. REMEMBER the boat fuel HAS to be on the same carriage as the boat!

As is also mentioned:

- The container or containers must be secured from leakage during the carriage as well as
- the containers must be fastened during the carriage.

You do not have to bring along a transport document or other documentation for the carriage of this good (boat fuel).

But REMEMBER – another car cannot bring fuel for the boat! Then it is distribution and this exemption does not apply.

5 CARRIAGE OF CHEMICALS OR WASTE, WHICH ARE DANGEROUS GOODS, BETWEEN CAMPUS ODENSE AND ABROAD

As a general rule which applies for all carriages: only bring substances in very small amounts – only a few grams or up to 100 ml.

In these cases they should be assessed with the relevant chemicals to make sure they comply with all regulations. Among other things the transport document must be in Danish and English, German or French.

There can also be other things which must be checked when preparing the transport document.

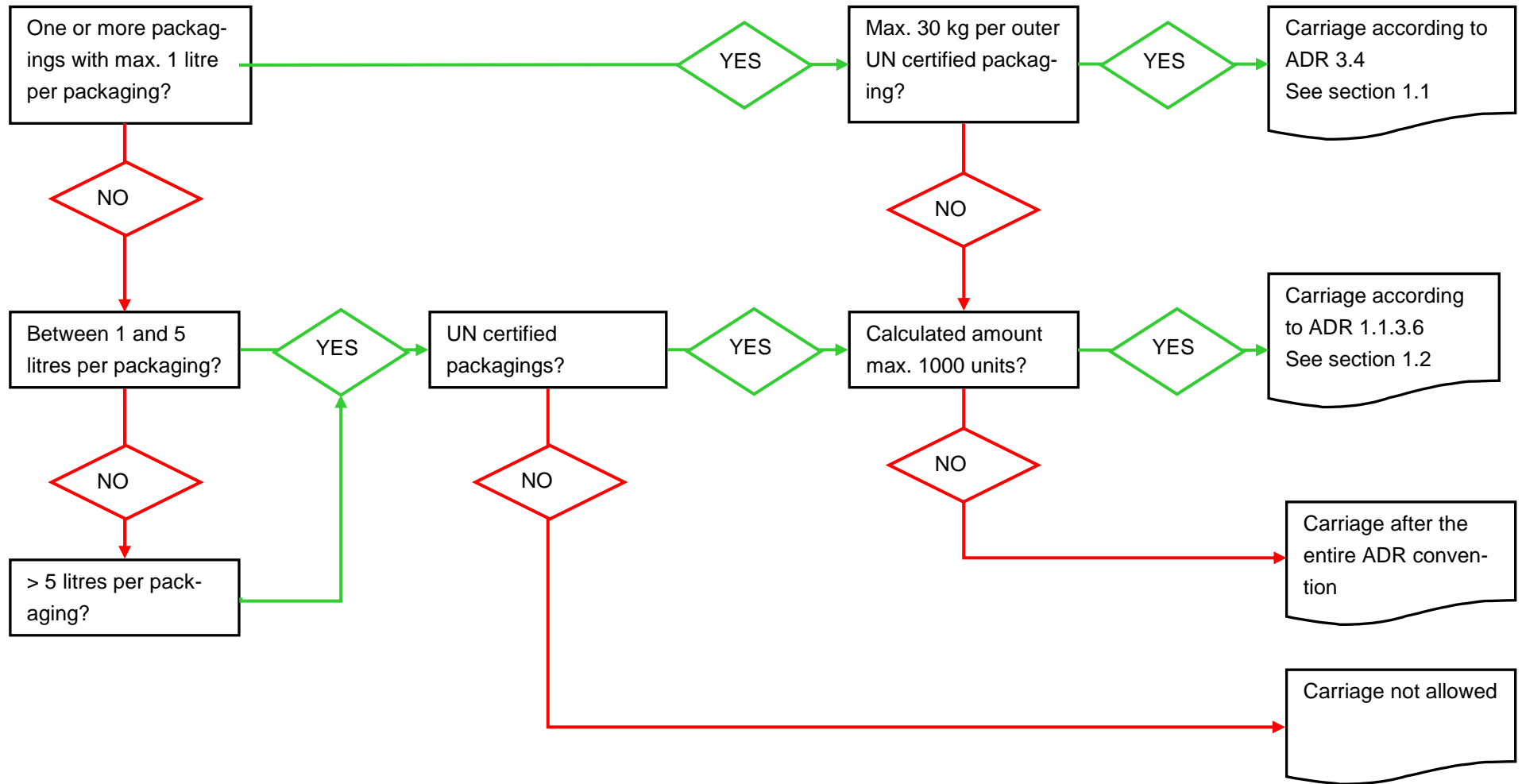
Examples of substances, which are being transported abroad, are sent to the safety advisor for the preparation of a transport document and for feedback on any further actions if needed in connection with the upcoming carriage of goods.

6 REGULATIONS ON PACKING THE MENTIONED SUBSTANCES

Extract from ADR 4.1.10:

- MP 9 May be packed together in an outer packaging for combination packagings in accordance with 6.1.4.21:
- with other goods of Class 2;
 - with goods of other classes, when the mixed packing is also permitted for these; or
 - with goods which are not subject to the requirements of ADR,
- provided they do not react dangerously with one another.
- MP 10 May - in quantities not exceeding 5 kg per inner packaging - be packed together in a combination packaging conforming to 6.1.4.21:
- with goods of the same class covered by other classification codes or with goods of other classes, when mixed packing is also permitted for these; or
 - with goods which are not subject to the requirements of ADR,
- provided they do not react dangerously with one another.
- MP 15 May - in quantities not exceeding 3 litres per inner packaging - be packed together in a combination packaging conforming to 6.1.4.21:
- with goods of the same class covered by other classification codes or with goods of other classes, when mixed packing is also permitted for these; or
 - with goods which are not subject to the requirements of ADR,
- provided they do not react dangerously with one another.
- MP 18 May - in quantities not exceeding 0.5 kg per inner packaging and 1 kg per package - be packed together in a combination packaging conforming to 6.1.4.21:
- with goods or articles of other classes, except Class 7, when mixed packing is also permitted for these; or
 - with goods which are not subject to the requirements of ADR,
- MP 19 May - in quantities not exceeding 5 litres per inner packaging - be packed together in a combination packaging conforming to 6.1.4.21:
- with goods of the same class covered by other classification codes or with goods of other classes, when mixed packing is also permitted for these; or
 - with goods which are not subject to the requirements of ADR, provided they do not react dangerously with one another.
-

7 BLOCK FLOW CHART FOR THE DETERMINATION OF REGULATORY OF CARRIAGE AT SDU



8 TRANSPORT DOCUMENT – INTERNAL OR SPECIAL CARRIAGE OF DANGEROUS GOODS ACCORDING TO ADR 1.1.3.

When carriage of dangerous goods internally between SDU's departments on Campusvej, Niels Bohrs Alle and Windsløwsparken or special carriage to another address (i.e. field address) the form below must be brought along on the carriage.

After the carriage has ended the form is placed in a folder with the service manager as a documentation of which internal carriages of goods the SDU has performed during the year.

1. Tick off consignor/consignee
2. Tick off in the left column, which substances are being transported.
3. Note the number of packagings and type (bottles, cardboard boxes, drums etc.).
4. Indicate the amount being transported
5. Calculate the number of points. Max. 1.000 units in total in the carriage.
6. Date and signature on the transport document.

Following factors are multiplied with the amount in order to calculate the number of points:

- Transport category 1 factor = 50 :
- Transport category 2 factor = 3:
- Transport category 3 factor = 1.

The total number of points must not exceed 1.000 points.

Remember prior to the carriage:

- The driver must have an ADR chap. 1.3 training, which must be documented!
- Correct packaging of each unit in UN certified packaging!
- Classification and preparation of a transport document for all dangerous goods substances, see table on the next page!
- Marking of each packaging/package with placards etc. in accordance with the classification!
- If additional outer packaging is used, and liquids in inner packagings – direction arrows on two opposite sites on the outer packaging!
- Bring at least one certified portable fire extinguisher weighing at least 2 kg, which must be provided with a seal indicating that it has not been used!
- Bring along certified portable spark free lighting apparatus!
- It is allowed to bring passengers on a carriage of dangerous goods when driving in accordance with the regulations in ADR 1.1.3.6.

This page is an **EXAMPLE 1** of a carriage of smaller quantities of dangerous goods from Campusvej to camp Søgård – remember to change consignor/consignee when you go back.

Remember to apply the text highlighted in yellow in the correct form/table for each carriage!

Consignor/consignee

SDU
Campusvej 55
5230 Odense M

Consignor/consignee

SDU
Niels Bohrs Allé 1
5230 Odense M

Consignor/consignee

SDU
Windsløwsparken 21
5000 Odense C

Consignee (external, field location)

SDU
Camp Søgård
6200 Aabenraa

Tick off	UN no.	Description of goods	Placards	Packaging group	Transport category	Factor (X)	Number of packagings (Y) and type	Amount (Z)	Calculation= X * Y * Z	Number of points
<input checked="" type="checkbox"/>	1170	Ethanol	3	II	2	3	2 plastic containers	5 litres	3 * 2 * 5	15
<input checked="" type="checkbox"/>	1789	Hydrochloric acid	8	II	2	3	1 glass bottle	2,5 litres	3 * 1 * 2,5	7,5
<input checked="" type="checkbox"/>	1830	Sulphuric acid	8	II	2	3	1 glass bottle	2,5 litres	3 * 1 * 2,5	7,5
<input checked="" type="checkbox"/>	2923	Corrosive solid substance, toxic, n.o.s. (Hydroxylamine hydrochloride)	8 (6.1) + environmentally hazardous substances	II	2	3	1 plastic container	0,1 kg	3 * 1 * 0,1	0,3
									TOTAL points (≤.1000)	30,3

Date _____

Signature _____

N

This page is an **EXAMPLE 2** of a carriage of smaller amounts of dangerous goods from Campusvej to Kerteminde – remember to change consignor/consignee when you go back

Remember to apply the text highlighted in yellow in the correct form/table for each carriage!

Consignor/consignee

SDU

Campusvej 55
5230 Odense M

Consignor/consignee

SDU

Niels Bohrs Allé 1
5230 Odense M

Consignor/consignee

SDU

Windsløwsparken 21
5000 Odense C

Consignee (external, field location)

SDU

Hindsholmvej 11
Kerteminde

Tick off	UN no.	Description of goods	Placards	Packaging group	Transport category	Factor (X)	Number of packagings (Y) and type	Amount (Z)	Calculation= X * Y * Z	Number of points
<input checked="" type="checkbox"/>	1170	Ethanol	3	II	2	3	2 plastic containers	5 litres	3 * 2 * 5	15
<input checked="" type="checkbox"/>	1789	Hydrochloric acid	8	II	2	3	1 glass bottle	2,5 litres	3 * 1 * 2,5	7,5
<input checked="" type="checkbox"/>	1830	Sulphuric acid	8	II	2	3	1 glass bottle	2,5 litres	3 * 1 * 2,5	7,5
<input checked="" type="checkbox"/>	2923	Corrosive solid substance, toxic, n.o.s. (Hydroxylamine hydrochloride)	8 (6.1) + environmentally hazardous substances	II	2	3	1 plastic container	0,1 kg	3 * 1 * 0,1	0,3
<input checked="" type="checkbox"/>	1824	Sodium hydroxide solution (10 M)	8	II	2	3	1 plastic container	5 litres	3 * 1 * 5	15
<input checked="" type="checkbox"/>	1824	Sodium hydroxide solution (1 M)	8	III	3	1	1 plastic container	5 litres	1 * 1 * 5	5
<input checked="" type="checkbox"/>	1791	Hypochlorite solution	8 + environmentally hazardous substances	III	3	1	1 plastic container	5 litres	1 * 1 * 5	5

TOTAL points (≤.1000)	55,3
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Date _____

Signature _____

9 APPENDIX

- 9.1 Appendix 1 – Transport document according to ADR 1.1.3.6 Institute of Biology, February 2012**
- 9.2 Appendix 2 – Check list transport according to ADR 3.4 Institute of Biology, March 2012**