



# CSA-GTP

Appendix - Transport

December 2018



# Procedures for cleaning and categorising products

This Appendix imposes, in accordance with Requirement 7 of the code, a categorisation of bulk goods transported by land, sea or river, according to the levels of risk they present for the load that follows them.

It also defines the levels of cleaning required based on the nature of the previous load and describes the procedure to be followed to reassign and validate containers that have transported products with "very high risk" during the previous loading.

On this basis, the operator must:

- Check the risk category of goods transported during previous loading
- And ensure the correct implementation of cleaning and/or washing and/or disinfection procedures to reduce the risk of contamination to an acceptable level.

The appendix does not apply to packaged and/or pre-prepared goods, which must be transported in accordance with the regulations in force.

## 1. *Setting levels of cleaning procedures*

### **Level A: Dry cleaning**

This level consists of operations such as vacuuming, blowing and sweeping, sometimes followed, if necessary, by manual cleaning for hard to reach areas.

### **Level B: Rinsing with water**

Cleaning with water is carried out with drinking water or failing that with clean water<sup>1</sup>, following the steps described below:

- Elimination of all residues from the previous loading of the compartment without using water
- Wash in cold water or, if necessary, hot water and manual intervention in hard-to-reach areas
- Pressurised water jet cleaning, if necessary
- Drying

### **Level C: Cleaning with detergent**

The cleaning level with detergent (approved for food contact) must be carried out in accordance with the manufacturer's instructions for use, generally following the steps described below:

- Elimination of all residues from the previous loading of the compartment without using water
- 1st rinsing with water (hot if necessary) and manual intervention in hard-to-reach areas
- Application of the detergent (s) according to the recommendations for use
- Rinsing with water
- Drying

### **Level D: Disinfection following level A, B or C cleaning**

The cleaning level with disinfectant (approved for food contact) must be carried out according to the manufacturer's recommendations for use, generally following the steps described below:

- Cleaning level A, B or C
- Application of the disinfectant (according to the manufacturer's doses and application instructions)
- Rinsing with water
- Drying

## 2. *Records of level B, C, D cleaning of containers by the transport operator*

- Documents attesting to the completion of cleaning operations B, C or D must be kept in sufficient number and include at least the following information:
  - Identification of means of transport,
  - Date and place of cleaning,
  - Nature of the transported product justifying the level of cleaning used
  - Type of cleaning applied.

## 3. *Level E: Procedure for requalification of a load compartment having transported products of category LR1.*

---

<sup>1</sup>When using clean water, it is up to the user to provide proof of the water's safety in view of the uses considered and the amount of water used. For clean water quality criteria, refer to GBPH Appendix 10 (version validated by the French administration in May 2012). The microbiological quality criteria mentioned will be checked

Reminder: Only containers that have carried LR1 goods may be requalified. The procedure does not apply to containers that have transported goods of category LR0 (forbidden precedents).

The requalification procedure applies to the container which has transported goods of category LR1 and has to carry food or feed products irrespective of the number of intermediate non-food transports.

The requalification procedure must be carried out in a washing station treating the waste water in accordance with the regulations in force.

#### Cleaning the container

The level of cleaning required for requalification of the container after the transport of a product presenting a very high risk (LR1) must be adapted to the nature of the preceding product:

- In case of precedent presenting a **biological risk** (product of animal or vegetable origin), a level D cleaning will be carried out preceded by at least washing with water.
- In the event of a precedent presenting a **physical or chemical risk**, level C cleaning will be carried out
- In case of precedent presenting a **biological AND chemical risk**, disinfection preceded by a cleaning with detergent will be carried out (level C + D)

#### Visual inspection after cleaning

Following cleaning, a thorough visual inspection of the container will be performed. In the case of skips with movable floors, the visual inspection will be carried out after dismantling the elements

#### Verification of the effectiveness of cleaning

- In the case of goods with a **biological risk** (product of animal or vegetable origin), the effectiveness of the cleaning will be evaluated using samples on flat and dry surfaces (refer to the recommendations of the supplier of the kit for the sampling method). The level of cleaning will be considered acceptable if the total flora found in samples is less than 10 CFU / cm<sup>3</sup>. ASR, coliform bacteria, intestinal enterococci, e-coli and salmonella will also be tested in the final rinse water. The cleaning will be considered effective only in case of absence of these micro-organisms in the samples (absence in 100 ml, except salmonella: absence in 5l).
- In the case of goods with a **chemical or physical risk**, a search for a contaminant, depending on the nature of the hazard (s) related to the goods, will be carried out in the last rinsing water.
- In the event of a **chemical AND biological risk**, the effectiveness of the cleaning will be assessed by a search for total flora, pathogenic germs (see above), and chemical contaminants depending on the nature of the commodity.

#### Certificate of cleaning

The person responsible for the requalification issues a cleaning certificate stating that the container may be used for the transport of food or feed and mentioning:

- The identification of the container
- The date and place of cleaning
- The nature of the previous loading,
- The cleaning procedure performed and the products used
- The analyses carried out to check the effectiveness of the cleaning
- The result of the analyses.

The analysis slips will be attached to the certificate.

## **4. Categorisation of transported products**

### **General principles**

Each transported commodity must be categorised according to the type of hazard it presents and the severity of the hazard. Transport conditions and cleaning sequences must be adapted to the level of risk presented.

## Category LRO - Prohibited Goods

Type of goods	Examples	Comments
<b>Dangerous goods classified as toxic and / or corrosive (ADR) and products containing them</b>		Even packaged
<b>Animal by-products of category 1 and 2 (Reg (EC) 1069/2009, R226-1 of the Rural Code) and products containing them</b>	All parts of the body of: <ul style="list-style-type: none"> <li>- Animals suspected or infected with TSE</li> <li>- Animals slaughtered as part of a TSE eradication</li> <li>- Pets</li> <li>- Zoos and circus animals</li> <li>- Animals used for experimental purposes</li> <li>- Specified risk materials</li> <li>- Products derived from animals that have absorbed prohibited substances or products that are dangerous for the environment</li> <li>- Kitchen and table scraps</li> <li>- Mix of Category 1 and Category 2 or Category 3 Materials</li> <li>- Animal products containing drug residues in excess of regulatory limits</li> <li>- Animals not slaughtered for human consumption</li> <li>- Mix of category 2 and category 3 materials</li> </ul>	
<b>Processed animal protein (PAT) derived from Category 3 material (Reg (EC) 1069/2009, R226-1 of the Rural Code) and products containing them</b>	<ul style="list-style-type: none"> <li>- Meat meal</li> <li>- Meat and bone meal</li> <li>- Feather protein (unhydrolysed)</li> <li>- Protein of blood (unhydrolysed)</li> </ul>	
<b>Materials of animal origin (Reg. (999/2001, R226-1 of the Rural Code) and products containing them</b>	<ul style="list-style-type: none"> <li>- Fishmeal</li> <li>- Dicalcium and tricalcium phosphate</li> <li>- Blood products from non-ruminants</li> <li>- Hydrolysed protein of non-ruminants</li> <li>- Blood flour from non-ruminants</li> <li>- Feathers</li> <li>- Skins</li> </ul>	
<b>Radioactive products</b>		
<b>Animal faeces and products containing it not coming from an establishment registered under Reg 1069/2009</b>	<ul style="list-style-type: none"> <li>- Bird droppings</li> <li>- Dung</li> <li>- Slurry</li> <li>- Compost containing animal matter</li> <li>- Organic fertiliser containing animal matter</li> </ul>	
<b>Upper portion of the plant comprising a capsule, seed and part of the stem</b>	<ul style="list-style-type: none"> <li>- Poppy straw</li> </ul>	
<b>Sewage sludge (treated or untreated)</b>	<ul style="list-style-type: none"> <li>- Purification sludge</li> <li>- Iron sludge</li> </ul>	

## Category LR1 –Very High Risk Goods

*Non-exhaustive list*

Type of goods	Examples	Comments
<b>Liquid hydrocarbons</b>	<ul style="list-style-type: none"><li>- Bitumen</li><li>- Coal pitch, oil pitch</li><li>- Petroleum coke</li><li>- Petrol</li><li>- Fuel</li><li>- Petroleum</li></ul>	
<b>Toxic substances and products containing them</b>	<ul style="list-style-type: none"><li>- Asbestos</li><li>- Clay used for detoxification</li><li>- Used batteries</li><li>- Non-packaged processed seeds</li><li>- Sand and earth from site remediation</li></ul>	

## Category LR2 –Microbiologically Contaminated Goods

*Non-exhaustive list<sup>2</sup>*

Type of goods	Examples	Comments
<b>Unwashed food packaging</b>	<ul style="list-style-type: none"> <li>- Can and canned goods</li> <li>- Glass from selective collection</li> </ul>	
<b>Animal products authorised for animal feed (except dairy products and egg products mentioned in LR4) and products containing them</b>	<ul style="list-style-type: none"> <li>- Animal feed containing animal products</li> <li>- Non-ruminant gelatin</li> <li>- Pork rind fat</li> <li>- Fat from rendering fat from pigs or poultry</li> <li>- Feather flour fat</li> <li>- Grease from the production of MBM of pigs or poultry</li> <li>- Rendered ruminant fat collected before split of the spine</li> <li>- Whey</li> <li>- Hydrolysed feather proteins</li> <li>- Lard</li> <li>- Tallow</li> </ul>	
<b>Fertiliser and compost of NFU animal origin from an establishment approved under R 1069/2009 and products containing it</b>	<ul style="list-style-type: none"> <li>- Organic amendment NF 44051</li> <li>- Mushroom compost</li> <li>- Organic fertiliser NF 42001</li> <li>- Mushroom Substrate</li> </ul>	
<b>Fertilisers and compost of vegetable origin and product containing</b>	<ul style="list-style-type: none"> <li>- Compost of vegetable waste (GFT waste)</li> <li>- Green Compost</li> <li>- Vegetable Compost</li> </ul>	
<b>Vegetable food unfit for human consumption</b>	<ul style="list-style-type: none"> <li>- Rotten fruits or vegetables</li> </ul>	
<b>Mixture of cellulosic plant raw materials for the production of cellulosic bioethanol</b>	<ul style="list-style-type: none"> <li>- Lignocellulosic plants of interest (sorghum, alfalfa, miscanthus ...)</li> <li>- Wood and forest residues (platelets, slash, short-rotation coppice ...)</li> <li>- By-products of agricultural crops and agro-industry (cereal straw, beet pulp ...);</li> <li>- Urban green residues</li> </ul>	Disinfection (systematic level D cleaning) because considered as lignocellulose-rich plant material derived from agricultural or forestry by products

## Category LR3 - Chemical and / or Physical Hazardous Goods

*Non-exhaustive list<sup>3</sup>*

Type of goods	Examples	Comments
<b>Chemical fertilisers and liquid minerals</b>	- Nitrogen solution	Cleaning with detergent (systematic level C cleaning)
<b>Solid hydrocarbons</b>	- Coal ball or briquette - Coal - Coke - Graphite, lignite, anthracite - Coal - Clinker	
<b>Additives</b>	All additives on the list of EU approved additives (transported in bulk under Reg (EC) No.1831/2003)	Unless explicitly mentioned in another category
<b>Vegetable or dairy fats</b>	- Fatty acids - Butter - Waxes - Cream - Vegetal oils - Margarine - Paraffin	Cleaning with detergent (systematic level C cleaning)
<b>Chemicals (other than those mentioned in LR0)</b>	- Alcohol - Acid - Ketone, - Quicklime - Ester	Refer to the product classification in ADR Cleaning with detergent (systematic level C cleaning)
<b>Medicated animal feed</b>	- Medicated animal feed	
<b>Wet products</b>	- Co-products of the sweet corn industry - Wet drippings - Sugar factory lime - Fruit marc spirits - Grape must - Beet pulp - Grape pulp - Vinasse	
<b>Clean broken glass</b>	- Calcin	
<b>Demolition waste and industrial waste</b>	- Treated wood - Rubber - Scrap iron - Rubble - Tyre - Thermal power plant ash	
<b>Earth and product containing</b>	- Potting compost - Heather earth - Garden soil - Peat - Diatomaceous earth	
<b>Snow removal salt</b>	- Snow removal salt	

<sup>3</sup> When working for oneself, the list of precedents quoted in the "examples" column must be considered exhaustive (see recognition protocol with QUALIMAT transport)

### Category LR4 - Neutral Goods

*Non-exhaustive list<sup>4</sup>*

Type of goods	Examples	Comments
<b>Harvest products</b>	<ul style="list-style-type: none"> <li>- Beets</li> <li>- Cereals</li> <li>- Hemp</li> <li>- Oilseeds</li> <li>- Protein seeds</li> <li>- Untreated seeds</li> <li>- Alfalfa</li> <li>- Potatoes</li> <li>- Straws (excluding poppy straw)</li> <li>- Corncobs</li> <li>- Tubers and roots (other)</li> </ul>	
<b>Animal feed</b>	<ul style="list-style-type: none"> <li>- Compound foods</li> <li>- Premix in solid form</li> </ul>	
<b>Raw materials for solid animal feed</b>	<ul style="list-style-type: none"> <li>- Amino acids</li> <li>- Corn gluten feed</li> <li>- Spent grain</li> <li>- Cereal fibres</li> <li>- Dehydrated pulp</li> <li>- Bran</li> <li>- Oilcakes</li> </ul>	
<b>Products and co-products of the agri-food industry</b>	<ul style="list-style-type: none"> <li>- Starch</li> <li>- Biscuits</li> <li>- Breadcrumbs</li> <li>- Chips</li> <li>- Flour</li> <li>- Cornstarch</li> <li>- Dietary fibre</li> <li>- Cereal flake</li> <li>- Gluten</li> <li>- Malt</li> <li>- Vegetable protein</li> <li>- Sugar</li> </ul>	
<b>Chemical fertilisers and solid minerals</b>	<ul style="list-style-type: none"> <li>- Ammonitrate</li> <li>- Calcium</li> <li>- Ash</li> <li>- Slaked lime</li> <li>- Gypsum</li> <li>- Ammonium sulphate</li> <li>- Potassium sulphate,</li> <li>- Urea</li> </ul>	
<b>Solid minerals</b>	<ul style="list-style-type: none"> <li>- Slate</li> <li>- Clay</li> <li>- Bicarbonate</li> <li>- Pebbles</li> <li>- Limestone</li> <li>- Chalk</li> <li>- Cement</li> <li>- Gravel</li> <li>- Perlite</li> <li>- Plaster</li> <li>- Magnesite</li> <li>- Sand</li> <li>- Food salt,</li> <li>- Zircon</li> </ul>	
<b>Metals</b>	<ul style="list-style-type: none"> <li>- Steel</li> <li>- Aluminium</li> <li>- Copper</li> <li>- Iron</li> <li>- Stainless steel</li> </ul>	If degreased
<b>Pre-wrapped and / or packaged products</b>	- Wrapped and / or packaged products	Except products mentioned in LRO

<sup>4</sup> When working for oneself, the list of precedents quoted in the "examples" column must be considered exhaustive (see recognition protocol with QUALIMAT transport)



<b>Powdered milk products</b>	- Powdered whey - Powdered milk	
<b>Powdered egg products from a registered establishment (EC) 1069/2009 or (EC) 853/2004 *</b>		Products to be considered as "forbidden precedents" in the context of mutual recognition with OVOCOM (in the event of delivery to an FCA certified operator of OVOCOM) or GMP + of GMP + International
<b>Fruits and vegetables</b>	- Fruits and vegetables (other than roots and tubers)	
<b>Untreated wood and wood co-products</b>	- Untreated wood - Wood chips - Palette - Sawdust	
<b>Clean empty packaging</b>	- Big-bag - Carton - Paper - Plastic, PVC - Polystyrene	

## 5. Sequences required for transport, cleaning and disinfection

Category of the goods	Goods in previous loading (N-1)		Products to be loaded (N)
	Category of goods transported in N-1	State of the compartment before loading the bulk product	Cleaning sequence to follow + instructions
LR0	<b>Prohibited goods</b>	n.a. (not applicable)	Unauthorised transportation
LR1	<b>Very high risk goods</b>	n.a. (not applicable)	Unauthorised transport (except in case of E procedure)
LR2	<b>Goods with microbiological contamination</b> (e.g. salmonella, putrefaction, etc.)	After unloading	A+D
		Residues remaining after dry cleaning	B+D
		Residue (or smell) after cleaning with water	C+D
LR3	<b>Goods constituting a physical or chemical hazard</b>	After unloading	B
		Residue (or smell) after cleaning with water	C
LR4	<b>Neutral goods</b>	After unloading	A*
		Residues remaining after dry cleaning	B
		Residue (smell) after cleaning with water	C

\* If there is no visible residue (including dust) after unloading neutral goods, cleaning is not necessary.

If goods requiring level D (disinfection) or E (requalification) cleaning have been transported, the container must be properly cleaned regardless of the number of non-food intermediate transports.

### Special case of precedents concerning transport of animal products:

Whichever category they belong to (LR0, LR1, LR2, LR3 or LR4), it should be ensured that, in addition to the rules described in the table above, the transport complies with the national and Community rules specific to the transport of these products (Regulation (EC) No 1069/2009 and (EC) No 999/2001 in particular).