

## Instruction leaflet - spray cans

### Disposal facility: HTI Hamburg - Delivery conditions

The below is to communicate to you our delivery conditions for the acceptance of spray cans at

HTI Hamburg

in order to ensure delivery processes are simple and rapid.

The delivery form is laid out in a binding manner in the offer or certificate of disposal/notification and is oriented by the properties, composition and quantity of waste, as well as the technical capabilities of the plant. It is thus imperative that it be complied with.

The waste must correspond in its entirety to the information provided to us (safety data sheets, descriptions, photos, analyses, etc.). Deviations may be invoiced with costs. Further rights remain reserved

If deviations from the delivery form are unavoidable, please urgently get in touch with your sales contact before delivery. For all other questions on waste disposal, our sales contacts are also available to you.

Delivery is to be made to AVG Hamburg

**Delivery dates** are to be reported in advance to the scheduling department:

Phone: 0049 - 40 - 733 51-0      Email: Disposition@avg-hamburg.de  
Fax: 0049 - 40 - 732 51 64

Delivery hours (incl. unloading time):      Mo – Th      from 7:00 a.m. to 5:00 p.m.  
Fr      from 7:00 a.m. to 2:00 p.m.

If our sales contacts have sent you an “approval number” for special waste, this must be given on registration or in the registration form and entered on the accompanying certificate in the box “free for notes” or with notifications on the M/T form.

In addition, our General terms and conditions (version of: 01.06.2022) and the leaflets in the version valid on the date of delivery apply (the documents can be found on our website [www.indaver.de](http://www.indaver.de) under “Service”). If necessary, you can always request documents to be sent.

## 1. Definition

Pressurised gas packaging refers to single-use containers with a max. 1 l individual volume and a test pressure of up to 18 bar, in conjunction with any residual filling and removal device (the edges are not welded or soldered, but rather crimped), in line with the requirements of “TRG 300 (older version) - Special Requirements of Aerosols/Compressed Gas Packaging” and chapter 6.2.6 of the ADR.

Waste pressurised gas packaging is assigned to EWC code 15 01 10\* (packaging that contains residues of or is polluted by hazardous substances). The propellant is usually propane/butane. This is heavier than air and can form explosive mixtures together with the oxygen in air, even at low concentration.

Irrespective of the propellant used, pressurised gas packaging can contain a large variety of substances for the most varied applications (e.g. hairspray, de-icer, spray paint, deodorant, insecticides, medications, stain removers, oven cleaners, waterproofing, shoe spray, etc.).

## 2. Delivery form

### **General transport notes**

The transportation of pressurised gas packaging is subject to the hazardous goods regulations – regardless of the fill level (see UN Number 1950). Only packaging approved for this kind of hazardous material can be used for its transportation. Special Regulation 327 under ADR Section 3.3.1 is applicable to “waste pressurised gas packaging”, as with used spray cans no guarantee can usually be made about the presence of a protective cap in line with Special Regulation 190.

The core purpose of the transport regulations is to protect against the accidental release of the contents and to prevent the build-up of pressure in the packaging.

*ADR references:*

*UN 1950; Packaging Instruction P 207 and Special Regulation for Packaging PP87; Packaging Instruction LP02 and Special Regulation for Packaging L2; Special Regulation 190; Special Regulation 327; Special Regulation for Transport V14*

## General delivery conditions

The following general conditions must be complied with for delivery:

- sorting and packaging at the client's premises by expert members of staff
- transport only in ventilated or open vehicles or containers (V14)
- delivery as per Packaging Regulation P207 together with Special Regulation PP87

## Delivery forms

- **Boxes made of (corrugated) cardboard or plastic (not reusable packaging) up to 120 l for emptied spray cans from hazardous substance collections**
  - Adequate ventilation (ventilation openings approx. 10 cm above the base of the packaging) to prevent the build-up of hazardous/flammable atmospheres or pressure in the packaging; if using inner linings, only use perforated and anti-static inner linings – normal PE or plastic sacks are not permitted.
  - An adequate amount of inert binding material (approx. 10 cm) or absorbent fleece must be provided for any leaking liquid
  - For boxes, pay attention to the design of the base – which varies according to the model (e.g. base secured with adhesives according to the manufacturer's instructions) – to make sure stability can be maintained
  - Max. permitted net weight 30 kg



**The use of tightly sealed clamping ring lid barrels made of plastic without adequate ventilation is explicitly prohibited!**

- **Original packaging (mono-batches, production defect batches)**  
(Original) packaging made of strong cardboard in an intact and faultless condition with the following criteria:
  - The spray cans must be intact and undamaged and be fitted with protection against accidental emptying (the protective caps must remain firmly fixed to the spray cans)
  - The packaging (cardboard boxes) must be between 20 cm x 20 cm base area and 40 cm x 40 cm (height max. 45 cm) in size. Otherwise, the spray cans must be repacked, meaning handling expenditure will be increased.
  - Max. permitted net mass 25 kg for packaging made of cardboard

- **Larger containers**

Permitted packaging up to 800 l e.g. ASP 800 with the following criteria:

- Container corresponds to the definition of “box” in Section 6.1.4 ADR
- Adequate ventilation (ventilation openings approx. 10 cm above the base of the packaging) to prevent the build-up of hazardous/flammable atmospheres or pressure in the packaging
- With perforated and anti-static inner lining; normal PE or plastic sacks are not permitted
- Adequate inert binding material (or absorbent fleece) for any leaking liquids
- Max. permitted net mass according to certification

- **Large packaging**

Permitted large packaging up to 1000 l e.g. SAS-800 or STB 1000 with the following criteria:



- Type approval as intermediate bulk container (50A/Y)
- Adequate ventilation (ventilation openings approx. 10 cm above the base of the packaging) or (see picture) due to the structure of the packaging) to prevent the build-up of hazardous/flammable atmospheres or pressure in the packaging
- Adequate inert binding material (or absorbent fleece) for any leaking liquids
- With perforated and anti-static inner lining (e.g. with STB 1000 when required by the licence); normal PE or plastic sacks are not permitted
- Max. permitted net mass according to certification

- All packaging must be tightly sealed, externally clean, intact, approved and suitable for its contents.
- All forms of packaging must be clearly, visibly and permanently labelled with the following information
  - Producer
  - Type of waste/if needed, Approval number
  - Notification No.
  - EWC code
  - Hazardous substance labelling as per GHS/CLP
  - Correct ADR labels

- Any extraneous lettering or inapplicable hazard labels are to be removed
- The cargo units are to be delivered on fully intact, stable, standard wooden pallets. Secure adequately to ensure hazard-free unloading and handling. Stacked height: max. 1 m
- Barrels and drums cannot be delivered in ASP containers.
- Only units of the same size and notification No. may be assembled on each pallet.
- The delivery must be made using vehicles that allow hazard-free unloading by forklift (no delivery in roll-off containers or skips). At AVG, the deliverer must provide the pallets to the unloading area.

### 3. Criteria for the acceptance of spray cans

If not otherwise agreed in the offer/certificate of disposal, the following basic qualities apply (parameters not listed must be queried separately):

#### Basic chemical qualities

• Chlorine:	< 2	Wt.%
• Bromine:	< 0.2	Wt.%
• Iodine:	< 0.01	Wt.%
• Fluorine:	< 0.1	Wt.%
• Sulphur:	< 1	Wt.%
• Phosphorus:	< 1	Wt.%
• Mercury:	< 50	mg/kg
• Arsenic, cadmium, thallium (total):	< 100	mg/kg
• Heavy metals (total): (Ni, Cu, Te, Se, Sb, Be, Pb, Cr, Sn, V)	< 0.5	Wt.%
• Zinc:	< 1	Wt.%
• Molybdenum:	< 500	mg/kg
• Sodium/potassium/lithium/magnesium (total):	< 5	Wt.%
• Organosilicon:	< 0.3	Wt.%
• PCB and PCT (to DIN):	< 10	mg/kg

## Special details

The waste and objects listed below are not pressurised gas packaging. They are subject to different acceptance conditions and are to be separately approved by your sales contact. The delivery of the following requires our express approval:

- Gas canisters (e.g. liquid gas for camping stoves)
- Fire extinguishers
- Compressed air packaging made of glass
- Cigarette lighters of all kinds
- Leaking or heavily deformed pressurised gas packaging
- PU foam cans

In addition, waste/substances with the following contents and/or properties are to be approved by your contact in sales (regardless of the above basic qualities):

- Waste subject to the POP Regulation
- Waste subject to other legal requirements (e.g. CWC, narcotics law, regulation on animal-by products)

## 4. Excluded substances

- Chemicals in gas/pressurised gas canisters
- Chemical weapons
- Explosives listed in the Explosives Act and waste munitions
- Radioactive waste such as uranium and thorium compounds
- Hydrogen cyanide (prussic acid)
- Asbestos-containing materials
- Dry cells, lead batteries
- Fluorescent tubes
- Unknown substances (corresponds to ADR Waste Group 15 - exception 20)