Instruction leaflet spray-cans

The purpose of this leaflet is to describe the delivery conditions for the disposal of spray cans in order to achieve a simple and quick delivery process.

Disposal registration

General registration information is available in our leaflet A “General information on the delivery of waste to the waste treatment center in Biebesheim”.

Area of application

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.).

Differentiations

The waste and objects mentioned below are not compressed-air packaging. They are subject to different acceptance conditions and must be discussed separately with your client team:

- Gas cartridges (e.g. liquid gas for camping cookers)
- Any kind of gas cylinders
- Fire extinguishers
- Compressed-gas packaging made from glass
- Any kind of lighters
- Leaky or severely deformed compressed-gas packaging
- PU-foam cans

General information on packaging and delivery

General transport information

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 conditions must be complied with for delivery:

- Sorting and packaging by expert staff at the customer’s end
- Packaging must be externally clean and intact
- Lettering and labelling must be visible
- Transportation only in ventilated or open vehicles/containers (V14)
- Vehicles to be loaded from the side, or vehicles with walking floor

The following must also be complied with when using packaging up to 120 l:

- Using customary, robust, intact pallets
- Single-layer palletising and banding (load-securing)
- Clamping-ring fasteners must face outwards when using vats
- Only packaging for one proof of waste disposal per pallet

Labelling

(1) HIM label

When delivering to HIM, all packaging must be labelled with a weatherproof sticker, showing the waste producer, type of waste (AVV (Waste Catalogue Regulation) code), EN number, hazard information and any ADR classification. HIM can provide you with the relevant stickers at cost price.

(2) Labelling in accordance with dangerous goods legislation

The transported items must be labelled with the corresponding hazard labels and the lettering ‘UN 1950 AEROSOLE’. Character height must be at least 12 mm.

All inappropriate hazard labels and lettering (labelling) must be removed (or rendered unrecognisable, if applicable).

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 mass 55 kg for cardboard packaging, max. 125 kg for other materials

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 at least 30 x 30 x 30 cm in size, otherwise, the spray cans must be repacked, meaning handling expenditure will be increased.
- Max. permitted net mass 55 kg for packaging made of cardboard
- Or up to max. 30 kg gross per shipping item if transporting a limited quantity (LQ) in cardboard boxes, and max. 20 kg per shipping item if transporting on trays

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
- Adequate inert binding material (or absorbent fleece) for any leaking liquids
- Max. permitted net mass 125 kg

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

Other packaging only in consultation with your sales contact.