

IVB (Biebesheim Integrated Pretreatment Waste Centre)

Instruction leaflet

Delivery Conditions

The information below contains details of our delivery conditions for the disposal of solid waste at **IVB** (an abbreviation from Integrierte Vorbehandlungsanlage **Biebesheim** [Biebesheim Integrated Pretreatment Centre]) in order to achieve a simple and quick delivery process.

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.

In addition, our General terms and conditions (version of: 01.06.2022) as well as the general information from leaflet A apply (the documents can be found on our website www.indaver.de under "Service"). If necessary, you can always request documents to be sent. All leaflets apply in the version valid at the time of delivery.

Definition

Wastes for pretreatment in the IVB within the meaning of this leaflet are coarse and solid wastes. The waste delivered to our installation must always respect the criteria mentioned here so that a damage to our system technology is excluded.

Delivery Forms

Delivery to the IVB is possible in ASPs/IBCs, on pallets (Big-Bags, drums, cardboard boxes, etc.) and as bulk waste in containers, skips, semi-trailers.

Acceptance Conditions

- | | |
|-------------------------|-----------------------|
| ▪ Consistency: | Solid to almost solid |
| ▪ pH value: | > 4 |
| ▪ Delivery temperature: | < 35 °C |
| ▪ Ignition temperature | > 23 °C* |

(* according to operational ignition test) A random sample of the waste is briefly shaken in a covered sample vessel, the lid removed and a flame (Bunsen burner, lighter) is held in the gas phase. If ignition/deflagration occurs, it must be concluded that solvent is contained with an ignition point at ambient temperature.

The following acceptance conditions apply:

- No free liquid → free liquid must be bound with suitable binding agents. Conditioning must be done in such a way that no free liquid can be formed during the transport, either.
- When emptying or tipping the waste, no dust may be formed.
- Bulk waste must not contain any objects that exceed 1.20 m in length or 1.20 x 1.00 x 1.00 m edge length
- The maximum size of drums for bulk items is 60 l.
- Drums in bulk items must not contain any free liquid.
- Empty drums with residues must be agreed with your Sales contact with respect to the residues (list of previous contents, data sheets, etc.)

The following criteria apply to ASPs, IBCs and waste on pallets:

- When shredding the items, no dust may be formed.
- Deliveries of these items may have a max. height of 1 m
- A basic area of max. 1.20 x 1.20 m must be adhered to
- The waste must have a solid to pasty consistency and may contain max. 10 l free liquid per transport unit
- Larger amount of liquids must be agreed with your Sales contact.
- The waste may have a maximum volume of 1000 l (e.g. 200 l barrels, IBC)
- Empty IBC/drums with residues for the shredder must be agreed with Sales with respect to the residues (list of previous contents, data sheets, etc.)
- Empty Big-Bags with residues or longer (especially wrapped) fleeces, tapes must be delivered on pallets (secured against unwrapping with cable ties or something similar)
- Big-Bags must not contain any folded Big-Bags. Large quantities of Big-bags must be arranged with your contact in Sales.
- The units must be tightly closed, clean on the outside, intact and approved and suitable for the content
- No pressure build-up in the closed barrels due to the waste they contain
- Each barrel must be labelled with the information described in leaflet A.
- All extraneous labelling and inappropriate hazard labels must be removed. Any outside labelling and inaccurate hazard labels must be removed.
- Drums/barrels and Big-Bags must be delivered on perfectly maintained, stable, standard commercial wooden pallets.
- Secure adequately to ensure safe unloading with a fork-lift truck and safe handling.
- Only drums of the same notification may be put together on each pallet.
- No delivery in roll-off container or skips

For waste that you have agreed with your Sales contact, you will receive a "coordination number". This number must be specified when registering (or in the registration form) and in the Movement Document for Transfrontier Movements. Furthermore each transport container must also be labeled with it

Basic chemical qualities

Unless otherwise agreed in the offer/notification, the following basic qualities apply: (parameters not listed must be requested separately):

- Chlorine: < 1 % by weight
- Bromine: < 0.2 % by weight
- Iodine: < 0.1 % by weight
- Fluorine: < 0.1 % by weight
- Sulphur: < 0.1 % by weight
- Phosphorous: < 1 % by weight
- Bound nitrogen (total): < 0.5 % by weight
- Arsenic, Antimony, Selenium, Molybdenum < 200 mg/kg each
- Cadmium, Thallium < 200 mg/kg each
- Vanadium, Tin, Manganese < 5,000 mg/kg each
- Chrome, Copper, Nickel, Lead, Zinc < 2,500 mg/kg each
- Σ (Sodium, Lithium, Potassium, Magnesium, Barium) Σ < 5 % by weight
- PCB and PCT total (according to DIN): < 10 mg/kg

- **Specialties**

Waste/materials with the following content and/or properties (regardless of the above-mentioned basic qualities) must be discussed with your contact person in our Sales department prior to a delivery:

- Wastes with ignition temperature < 23 °C
- Strong-smelling, malodorous wastes/substances
- Wastes/substances that are classified as toxic upon contact with the skin or inhalation (H311, H331 according to the CLP Regulation)
- Wastes/substances that, according to the CLP Regulations, are classified as carcinogenic (H350, H350i), mutagenic (H360, H360D, H360F, H360FD), toxic for reproduction (H340) or specifically toxic to target organs (H370; H372)
- Wastes containing mercury
- Silicon organic wastes
- Wastes containing dioxin
- Wastes that are subject to the POPs Regulation
- Wastes that are subject to other statutory regulations (e.g., OPCW, the German Narcotics Act, the Ordinance implementing the German Animal By-Products Disposal Act)
- Large amount of liquids in monobatches
- Drum > 60 l for loose bulk items
- Rolling hoop drums

Excluded

Wastes/substances with the following contents and/or properties are excluded from acceptance in the IVB:

- Reactive, water-reactive, oxidising, spontaneously inflammable, self-heating and self-decomposing wastes./substances (including ADR Class 4.2, 4.3, 5.1 and 5.2, such as chlorates/chlorites, organic/inorganic peroxides, nitrates/nitrites, permanganates, azides, isocyanate, carbides, hydrides, phosphides, metal alkyls, red/white phosphorous, etc.)
- Wastes/substances that are classified as dangerous to life if swallowed, when they come into contact with the skin or are inhaled (H300, H310, H330 formerly T+)
- Wastes causing dust
- Wastes containing cyanide
- High-purity metals and their compounds
- Wastes containing artificial mineral fibres, carbon fibre reinforced plastics, glass fibre reinforced plastics
- Pesticides
- Wastes containing asbestos
- Lighters, spray cans, gas cartridges (e.g., camping gas), gas cylinders
- Infections wastes and pathogens
- Compressed 200 l barrels
- Wastes with an iron/steel/other metallic part wall thickness is > 2 mm or > 20 mm for plastic parts
- Building rubble, concrete, rocks, etc.

To dispose of the wastes/substances excluded here, please contact your Sales contact at the Indaver Deutschland Group.