

1. Definition

Waste for the shredder within the meaning of this information leaflet is coarse and cured waste from industry, commerce, collection and hazardous substance collection. Every single fraction of the waste must correspond to the input values of the Hamburg shredder facility. The waste must be delivered in a way that complies with the criteria specified here to at all times and that avoids any damage to the facility technology.

2. Delivery form

In principle, delivery can be made in cardboard boxes, Big Bags, barrels and drums up to IBC/octabin size.

3. Criteria for waste for the shredder

General conditions of acceptance:

- pH: 4 – 13
- Temperature: < 35° C
- Solvent content < 5 Wt.%
- Ignition point *1: > ambient temperature
> 23 ° C

(*1 as per 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) applied to the gaseous phase. If ignition/deflagration occurs, it must be concluded that the sample contains solvent with an ignition point at ambient temperature.

Conditions of acceptance:

- The waste must have a solid to paste-like consistency and may contain liquid phases in exceptional cases.
- Bulk waste delivery is only possible on agreement
- Large components up to max. 1.50 m in length or 1.2 x 1.2 m surface
- Units containing paste or solid contents up to approx. 1000 l content
- No drum with liquid contents > 10 l
- Delivery temperature up to max. 35°C
- Rolling hoop drums, sheets of film, waste with a steel wall thickness 2 mm, bituminous and bitumen-like waste must always be approved in advance by your contact in sales
- Bulk items (Big Bags, barrels etc.) must be delivered on fully intact, stable, standard wooden pallets and secured against toppling.
- Every pallet/IBC container is to be clearly, visibly and permanently labelled:
 - Producer
 - EWC code
 - Type of waste/if needed, Approval number
 - Hazardous substance labelling as per GHS/CLP
 - Notification No.
 - Correct ADR labels
- Any extraneous lettering or inapplicable hazard labels must be removed.

Basic chemical qualities

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

• 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.%
• Org. Silicium:	< 0.3	Wt.%
• PCB and PCT (to DIN):	< 10	mg/kg

Special details

The delivery of waste/materials containing the following substances/with the following properties requires our express approval (regardless of the above basic qualities):

- Waste with ignition point < 23 °C
- Waste with a calorific value > 18,000 kJ/kg
- highly odorous or malodorous waste/substances
- Waste/materials classified as poisonous on skin contact or inhalation (H311, H331 as per the CLP Regulation)
- Waste/substances classified under the CLP Regulation as carcinogenic (H350, H350i), mutagenic (H360, H360D, H360F, H360FD), toxic for reproduction (H340) or toxic to the target organ (H370; H372)
- Dioxin-containing waste
- Waste subject to the POP Regulation
- Waste subject to other legal requirements (e.g. CWC, narcotics law, regulation on animal-by products)
- Pesticides (see separate leaflet)
- AMF/CFRP-containing waste
- Capacitors

4. Excluded substances

Waste containing the following cannot generally be accepted:

- Waste/substances that are reactive, gas-emitting, reactive with water, oxidising, self-igniting, self-heating, self-decomposing (including ADR classes 4.2, 4.3, 5.1 and 5.2 e.g. chlorates/chlorites, org. inorg. peroxides, nitrates/nitrites, permanganates, azides, isocyanates, carbides, hydrides, phosphides, metal alkyls, red/white phosphorus etc.)
- Pressurised gas packaging (spray cans) and gas canisters of all kinds
- Ultrapure metals and their mixtures
- Waste that is classified as life-threatening (H300, H310; H330 according to the CLP-regulation)
- Building rubble, concrete, stones, etc.
- Asbestos
- GRP waste
- Iron or other metallic parts more than 2 mm thick
- Infectious waste and germ carriers
- Waste in the temperature classes T4, T5 and T6 (ignition temperatures below 200°C)