

## Instruction leaflet for disposal of Pesticides

**Delivery Conditions for the Disposal Facilities HIM Biebesheim (treatment centre), HIM Frankfurt, HIM Stuttgart, HIM Kassel**

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This leaflet gives you details of our delivery conditions and sorting criteria for accepting combined shipments of commercially packaged pesticides from the commercial sector as well as large monobatches of pesticides to ensure simple and quick proceedings during delivery.

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](http://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.

Delivery is to the facilities at Biebesheim Treatment Centre (AZB), HIM Frankfurt, HIM Kassel or HIM Stuttgart, depending on the allocations in the notification.

## 1. Definition

The term pesticides covers a large number of chemicals that are distinguished according to where they are used. Among others, a distinction is made between the following product groups that can comprise organic or inorganic substances/preparations:

- |                     |                                  |
|---------------------|----------------------------------|
| ▪ Herbicides        | Weed killers, defoliant, etc.    |
| ▪ Fungicides        | Agents to kill fungi             |
| ▪ Insecticides      | Agents against harmful insects   |
| ▪ Nematicides       | Agents against worms             |
| ▪ Rodenticides      | Agents against rodents           |
| ▪ Acaricides        | Agents against mites             |
| ▪ Molluscicides     | Agents against slugs and snails  |
| ▪ Algicides         | Agents against algae             |
| ▪ Growth regulators | Agents to influence plant growth |

Due to the considerable risk potential for people and the environment that can be posed by substances in the above-mentioned product groups, they must be sent for proper disposal after application, use or storage.

## 2. EWC Codes

According to the European Waste Code, pesticides are assigned to the following waste codes, among others, depending on their type and origin:

- 02 01 08\* agrochemical waste containing hazardous substances
- 03 02 01\* non-halogenated organic wood preservatives
- 03 02 02\* organochlorinated wood preservatives
- 03 02 03\* organometallic wood preservatives
- 03 02 04\* inorganic wood preservatives
- 03 02 05\* other wood preservatives containing hazardous substances
- 06 13 01\* inorganic plant protection products, wood-preserving agents and other biocides.
- 07 04 .. wastes from the MFSU of organic plant protection products (except 02 01 08 and 02 01 09), wood preserving agents (except 03 02) and other biocides
- 20 01 19\* Pesticides

### 3. Delimitations and Exclusions

Special exceptional conditions and separate disposal documents apply to the following wastes due to technical safety provisions and their type of disposal:

- Pesticides in gas containers or cartridges → Individual arrangement with your customer team
- Pesticides in aerosols (spray cans, etc.) → See leaflet Spray Cans

The disposal of special features that have not been named and special wastes must be discussed with your contact in Sales in individual cases.

Only wastes that can be clearly classified are accepted. The composition of the waste must be known before it is packed in the relevant transport items. This also applies to products and preparations that are labelled only with company, brand, trading, trivial or trial names!

### 4. General Acceptance Conditions

Delivery is in drums with a volume of up to 200 litres and smaller items (e.g., cardboard boxes).

The following criteria apply:

- The maximum dimensions per unit are: Diameter < 620 mm, height < 950 mm
- The minimum volume of drums is  $\geq 30$  litres
- The footprint of cardboard boxes and other packaging units must be at least approx. 35 x 35 x 35 cm
- Drums made of plastic are preferred
- Please clarify special shapes and deviating dimensions with your contact in Sales
- The maximum possible drum weight for pesticides is 60 kg
- A maximum of 30 l liquid may be in each item/drum
- Max. calorific value per item/drum 800 MJ, i.e., for waste with a calorific value of 40 MJ/kg per item/drum max. 20 kg
- All items must be tightly sealed, clean on the outside, intact, approved and suitable for the contents.
- No pressure build up inside the closed items/drums due to the waste they contain.

- Every transport drum must be labelled clearly visibly and permanently with a (drum) label (see Information Sheet A)
- Any outside labelling and inaccurate hazard labels must be removed.
- All items/drums must be delivered on perfectly maintained, stable, standard commercial wooden pallets.
- Satisfactory load securing must ensure safe unloading and handling → in a single layer on a pallet
- Only items/drums with the same notification may be put together on each pallet.
- No iron-hooped drums
- No delivery in roll-off container or skips
- Wastes/substances of the dangerous substance classes 4.2, 4.3 and 5.2 are subject to storage restrictions and therefore have to be incinerated within 24 hours. Please agree the maximum delivery quantity with our planning department
- Pesticides in standard commercial sales packaging must be placed in the required drums and filled in layers with binding material
- The binding material used must be inorganic, non-flammable, coarse-grained, dust-free and suitable for the waste material concerned (inert)
- The binding agent should be such that the gaps between the delivery items are completely filled.
- Loose or unstable lids and ground or stopper seals must be fixed (adhesive tape or, if necessary, new seals).
- Fragile, faulty or leaking items must be placed individually in stable outer drums.

For waste that you have agreed with your customer team, 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.

To deliver pesticides for incineration to HTIBiebesheim or via the HIM collection centres, the substance/element-related quantity per drum stated below must not be exceeded. In the case of solutions/compounds, the percentage proportion can be extrapolated.

■ Chlorine	max. 20 kg
■ Bromine, Iodine	max. 2 kg
■ Fluorine	max. ≤ 3 kg
■ Phosphorous	max. 20 kg
■ Sulphur	max. 15 kg
■ Mercury	See Chapter 6
■ Cadmium and Thallium	max. 10 kg
■ Zinc, Chrome, Nickel, Copper and Lead	max. 15 kg
■ Vanadium, Tin, Manganese	max. 20 kg
■ Arsenic, Antimony, Selenium, Molybdenum	max. 2.5 kg (Arsenic see Chapter 6)
■ inorganic Nitrates/Nitrites	max. 20 kg
■ Chlorosilanes and organosilicon compounds	max. 30 kg

## 5. Liquid and Solid Pesticides - Mixed Fractions/Sales Packaging

Liquid and solid pesticides of all kinds that are in standard commercial sales packaging and packed as expired, partially or completely emptied containers. Pesticides that can lead to dangerous reactions between each other must be packed separately! The general Acceptance Conditions according to Chapter 4 must be observed.

### Packaging:

- Small items, placed in approved drums made of plastic; maximum drum size 200 l, up to max. 60 kg net weight and max. 30 l liquid, filled with binding agent according to Chapter 4
- Unstable, leaking and/or heavily contaminated containers must be kept separately and packed separately

Pesticides described in Chapter 6 are excluded.

For larger quantities of pesticides (monobatches) of expired material, faulty production batches, etc., a different delivery form in larger packaging units may be possible under certain circumstances. For this, the monobatches must be agreed separately with your contact in Sales with the details of the trading name (designation), the active agent, concentration of the active agent, safety data sheets and all classifications relevant to risk.

## **6. Special Components**

The components named below must (unless otherwise named) be kept separately from the above mentioned mixed fractions and packed separately. When registering for disposal, it must be pointed out that these are pesticides with the components below. The general Acceptance Conditions according to Chapter 4 must be observed.

### **Pesticides containing Chlorine/Perchlorate**

Previously used as an active agent in weed killers, such as UnkrautEx

**Packaging:** Small items placed in approved 30 l drum made of plastic with max. 5 kg/drum

### **Pesticides containing Carbide**

Such as Prontox, Recozit, Bayer, DELU, Detia, GABI Wühlmausgas (vole gas) and Wühlmausgas (vole gas) Arrex, Cumatan and Vandal Maulwurf- und Wühlmaus-Stopp (mole and vole deterrent).

**Packaging:** Small items placed in approved 30 l drum made of plastic with max, 5 kg/drum

### **Pesticides contains Phosphide**

e.g., Wühlmaustot (dead vole), Arrex, Polytantol, and other pesticides contains phosphide

**Packaging:** small items placed in approved 30 l drum made of plastic with max. 5 kg/drum

### **Pesticides containing Arsenic**

e.g., Arsenic trioxide (As<sub>2</sub>O<sub>3</sub>), arsenic salts, copper calcium arsenate, inorganic arsenic preparations, etc.

**Packaging:** small items placed in approved 30 l drum made of plastic with ≤ 2.5 kg arsenic per drum

For larger individual quantities/fractions of pesticides containing arsenic, delivery in larger packaging units to the HIM Frankfurt collection centre may be possible in certain circumstances. Please speak to your contact in Sales about this.

### **Pesticides containing Mercury**

**Delivery only to the HIM Frankfurt and HIM Stuttgart collection centre!**

**Packaging:** Original items in transport crate max. 5 kg/item, single layer and filled with vermiculite or placed in approved 30 l drums made of plastic with ≤ 5 kg pesticides per drum.

For larger individual quantities/fractions of pesticides containing mercury, delivery in larger packaging units to the HIM Frankfurt collection centre may be possible in certain circumstances. Please speak to your contact in Sales about this.