



STANDARD OPERATING PROCEDURE

Data Quality Task Force

Issued: XX/YY/ZZ

First Edition: This edition replaces all previous editions of the Standard Operating Procedure (SOP)

TITLE: Insecticide Waste Disposal Procedure

INTRODUCTION:

Correct and safe disposal of insecticide waste products is necessary. Insecticide waste could include, expired insecticide in liquid or solid forms, sprayed surface, contaminated materials (protective clothes etc.) with insecticide. It is important that insecticide does not contaminate water table and environment. Waste will be disposed following country specific guidelines and available local facilities.

AUTHOR:

Signature:.....

Date:.....

AUTHORISED BY:

Signature:.....

Date:.....

DISTRIBUTION: (Places where copies of SOPs are displayed)

1. Disposal of waste insecticide

- 1.1 Insecticide waste must be placed into a plastic container. Contaminated sprayed surfaces must be placed into biohazard bags. All waste containers and bags must be sealed with tape. They should be allocated a number according to the chronological order in which it is placed into the waste insecticide store room and the container must be labelled with this waste number.
- 1.2 All waste chemicals that can be stored at room temperature must be transported back to the facility and should be placed in the waste insecticide store room which should be well ventilated and locked.
- 1.3 A waste chemical log form (Appendix 1) located in the waste store room must be correctly completed listing the following information, wherever possible:
 - the number assigned according to the chronological order that the chemical was placed in the store
 - the date the chemical was put into waste chemical store
 - the facility chemical code
 - the active ingredient; ideally, this should not be easily referable to the sponsor
 - an approximate concentration
 - the total weight, including the container, or volume
 - any hazard information (e.g. pesticide/flammable/corrosive)
 - the place of storage (which for chemicals that can be stored at room temperature will be the waste chemical cupboard)
 - the initials of the person making the entry
- 1.4 In the event that the same chemical is to be disposed of on more than one occasion (e.g. on consecutive days or weeks, as it is being used in the studies), the weight of the chemical can be left blank on the waste chemical log form. This can then be filled in at a later date, when the container is full or when the chemical is completely disposed of.
- 1.5 Where a waste incinerator is available of the correct specifications (achieving temperatures of > 850 °C), arrangements should be made with the staff managing the waste incinerator for the safe disposal of insecticide waste stored in the waste insecticide store room.
- 1.6 Once the chemicals in the waste cupboard have been disposed of the log sheets is completed with the date of incineration.
- 1.7 Where a waste incinerator is not available, arrangements should be made for transport to a neighbouring country having such a facility or for transport back to the insecticide product manufacturer.



2. Disposal of pesticide-impregnated papers and other materials

- 2.1 Pesticide-impregnated papers and other contaminated materials should be placed in the biohazard bin located in the laboratories.
- 2.2 Once full the bin should then be sealed and arrangement made with the waste contractors for collection and incineration.

In case of exposure to insecticide during handling of the insecticide waste refer to the safety SOPs



Waste Chemical Log

INSTRUCTIONS:

Place any waste chemical into a suitable container (refer to MSD sheets). Containers should be clearly labelled with the **waste number** (assigned to it according to the chronological order it is placed into the chemical waste cabinet). Also, the solvent that the chemical is in should be recorded on the container, if appropriate. Waste containers are placed in the waste chemical cabinet located in the chemical store (abbreviated as WC).

The following information must be filled into the log sheet below:

- Assign a number according to the chronological order the chemical was placed in the store.
- Date put into waste chemical cabinet
- Chemical code
- Active ingredient
- Approximate concentration
- Weight, including container, or volume
- Hazard information (e.g. pesticide/flammable/corrosive)
- Storage site (usually WC)
- Your initials
- Date when the waste has been incinerated

Number	Date	Chemical code	Active ingredient	Concentration	Volume/Weight (incl.container)	MSD sheet number	Storage site	Initials	Date of disposal