Safe storage and disposal of zinc phosphide mouse bait

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Zinc Phosphide containers
Zinc phosphide mouse bait should be stored in well sealed waterproof containers. Always check seals on bait containers (anything could have happened during transport).

A number of Livestock Health and Pest Authority (LHPA) staff who store zinc phosphide mouse bait in their normal chemical store have noticed gas within the shed when they open the door. This must be considered when storing bait in sheds (see recommendation on storage in sheds).

Storage in sheds
There needs to be adequate ventilation both at roof and ground level if zinc phosphide mouse bait is stored in a closed shed.

Recommendation:
Where zinc phosphide is stored in a closed shed, the doors should be opened at least 15 to 30 minutes prior to entry. Note that where it is necessary to store large quantities of zinc phosphide in a closed shed, it is also recommended that you wear a respirator when entering the shed.

Preferred storage
• Store in a dry, open sided shed with weld mesh, lockable doors.
• If the only available storage facility is a closed shed, the airing and respirator procedures recommended below should be adopted.
• Where possible and practical, order only sufficient bait for immediate use.
• Where possible, have the bait delivered directly to the airstrip for immediate use (cover with a tarpaulin or sheets of tin if there is a possibility of rain).

Storage on farms
The label specifies that bait can be stored on farm, but only until the end of the baiting program on that farm. Storage facilities must comply with label requirements. Also see the Zinc phosphide safety data sheet for storage information.

Personal safety
• All persons handling zinc phosphide bait are reminded that, like all chemicals, this product is potentially dangerous and they are legally required to follow the label conditions.
• All persons must wear the correct personal protective equipment, including respirator and gloves.
• If bait has been stored in a closed shed, allow 15 to 30 minutes venting or airing with the shed door open before entering. Wear a respirator if the shed contains a large volume of bait.
• Remember, if you can smell zinc phosphide, it has not been cleared from the air you are working in – wear a respirator.
• When opening containers (drums, pails or bags), do so in the open air standing side on to the wind.

What respirators do I need when handling Zinc Phosphide bait?

The label specifies that a full face respirator fitted with a combined dust and gas cartridge must be worn when opening and venting zinc phosphide drums. A full face respirator with the same type of cartridge must also be worn when handling bait at other times.

Remember to change cartridges at recommended intervals or earlier if you notice any resistance when breathing through the cartridge.

How must I dispose of Zinc Phosphide bait?

The label states: disposal is by burial in one (1) metre deep pit and covered with soil. This burial site must be specifically marked and set up for this purpose – clear of waterways, vegetation and roots.

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