



No Rat

Product type: Rodent repellent

Trade name: No RAT

Chemical formula:

Cedar Wood Oil: 21%

Mint Oil: 8.5%

Euginol: 2.7%

Storex: 4.3%

Emulsifier: 3.5%

Water: 60%

Appearance: Milky White Liquid

Solubility: Stable under normal conditions of use

Upon heating: The emulsion breaks

Storage instructions: Store in cool dry place

Health Hazard: Not regarded as health hazard

Personal precautions: Avoid contact with eyes, Not to be swallowed. Do not induce vomiting if swallowed.



Background Concept

Killing rats and mice by traps or poisons not only poses dangers to children pets and animals but also creates dead animal disposal problems. Instead of killing rodents, a better approach is to deter them from entering the area.

Certain Plants excretions have been known to repel the rodents historically however the challenge is to have the right mixture of these extracts for longest impact time.

Experiments conducted

Two sets of experiments were conducted

- Experiments to select the ideal composition of a rodent repellent.
- Experiments to ascertain the length to which the repellent remains effective

Repelling effects of different poly-chemicals and their combinations was studied to find the most effective ones. For the study three boxes were taken and five rats were placed in the central box. The boxes on the left contained food and its floor and walls were sprayed with No rat- the rat repellent. The box on the right contained the same type and quantity of food however the wall and floor were not sprayed. After one day the door boxes were opened and the behavior of rats with respect to control and experimental boxes was observed. It was evident the rats did not enter the boxes which were sprayed.

Production Methodology

In order to prepare NO RAT. Mix the poly-chemicals (oils) in the measured quantity in a mixer. The mixer should be a baffled tank with a stirrer. The ingredients are mixed for a least 15minutes. After that add the water and emulsifier. Continue mixing for another 10 minutes. After that add Storex and mix for another 10 minutes. The solution is then poured into containers and packed.