

DANGEROUS



GNAW RODENTICIDE



GNAW RODENTICIDE TECHNICAL INFORMATION

Gnaw Rodenticide is a powerful rodent control product for domestic, rural, commercial and industrial environments. It contains 0.75 g/kg cholecalciferol (vitamin D3) and is a non-anticoagulant rodenticide formulated in a bait block made with human food grade ingredients.

Gnaw is neither persistent nor bio-accumulative in the environment or within poisoned or poisoned non-target species. It is for this reason and the fact that it is not a second generation anticoagulant rodenticide (SGAR), the APVMA has exempted it from the recent change of regulation that restricts the use of SGARS.

In secondary poisoning research studies, results demonstrated through direct feeding of cholecalciferol to rodents, which, once poisoned, were then fed to dogs, cats and reptiles, did not result in mortality of the test animals. Studies with birds of prey that were fed poisoned rodents did not result in mortality of the test birds, and the birds showed no sign of toxicosis. In addition, in primary poisoning feeding studies, cholecalciferol has been demonstrated to be of very low toxicity to birds when fed directly.

The following table is a comparison of rodenticide LD50 against birds.

Type of rodenticide	Rodenticide	Most sensitive bird LD50 (mg/kg)	Toxicity description
Second generation anticoagulant	Brodifacoum	0.26 (Mallard Duck)	Extremely Toxic
Second generation anticoagulant	Bromadiolone	138 (Northern Bobwhite)	Moderately Toxic
Second generation anticoagulant	Difenacoum	96.8	Moderately Toxic
First generation anticoagulant	Coumatetralyl	2000 (Japanese quail)	Very Low Toxicity
First generation anticoagulant	Warfarin	620	Slightly Toxic
Non-anticoagulant rodenticide	Cholecalciferol	>600	Slightly Toxic
Non-anticoagulant rodenticide	Bromethalin	4.6 (Northern Bobwhite)	Extremely Toxic
Non-anticoagulant rodenticide	Zinc phosphide	8.8 (Snow Goose)	Extremely Toxic

GNAW has demonstrated a lower direct and secondary toxicity profile compared with other rodenticides. This, combined with its non-SGAR formulation, led the APVMA to exempt GNAW from the recent rodenticide restrictions.

***KEEP OUT OF REACH OF CHILDREN & DOMESTIC PETS**
***READ SAFETY DIRECTIONS BEFORE OPENING OR USING**