

# Rodent and termite control in plastics

POLYMERIC materials cater to a plethora of applications, namely wires, cables, plastic pipelines and so on; but they also cater to a range of uninvited guests, prime among them being rodents and termites!

The incidences are interesting. Rats were blamed for a telecom blackout a few years ago in New Zealand which led to the closing of the stock exchange, as a result of which trading was halted for a day.

A survey by The Plastic Pipe Institute, USA, concluded that anti-termite requirement was essential in polymeric applications, particularly wires, cables and plastic pipelines.

Rodrepel™ and Termirepel™ – the non-toxic and non-hazardous anti-rodent and anti-termite/insect additive masterbatches developed by C Tech – have been evaluated in various applications.

These products are compliant with RoHS and REACH, and are FIFRA exempted. They are stable at high temperatures (around 400°C) thus being compatible with the process of extrusion.

They do not leach out of the polymer matrix and are effective in low dosages; they do not volatilise, and they have a long life action of 5-40 years depending upon the application. They are compatible with all kinds of polymers.

These products have been tested at various government testing institutes. The PolyOne Corporation, which distributes Rodrepel™ and Termirepel™ in the USA and Europe, has recently concluded testing them for their anti-rodent and anti-termite properties at the Indian Institute of Chemical Technology, Hyderabad, where the products were evaluated under real life testing conditions and were found to be effective.

Certain problems are universal but where there exists a problem, the solution can't be far behind! Rodrepel™ and Termirepel™ have been developed to address the problems effectively and sustainably while guaranteeing the safety of animals, humans and the environment.

**C Tech Corporation – India**

**Fax:** +91 222 430 9295

**Email:** info@ctechcorporation.com

**Website:** www.ctechcorporation.com

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