



## PRODUCT NAME – Anti Rodent Masterbatch

**PRODUCT CODE – HITECH-AR-2331-E**

### TECHNICAL DATASHEET

#### PRODUCT DESCRIPTION

Protect your wire and cable, grain covers or other products from rats, rodents or termites with these non-hazardous, non-toxic and environmentally safe masterbatches. The active substance used is non-hygroscopic, does not migrate within the polymer, and resists leaching under typical conditions.

HiTech can also develop formulations that incorporate other properties to enhance processing or technical properties. As a substitute for metallic armor, glass roving or special engineering polymers such as PA12, which are often adopted to protect cables from hostile animal or insect environments.

#### FEATURES

- Reduced short circuits
- Easy to extrude in all cable, wire and pipes
- Dissuades rodents from attacking polymers
- Effective at low addition levels (2-4%)
- Human safe, Ecologically safe
- Compatible with respective polymers

#### APPLICATIONS

Anti-Rodent and Anti-Rat additive concentrates provide a cost-effective alternative to other methods. These solutions avert rats, rodents, birds or insects when used in cable jacketing or protective corrugated pipe. Laboratory tests with aggressive species of rats, rodents and termites have proven these concentrates' effectiveness in protecting end products.

#### TECHNICAL SPECIFICATION

Properties	Value
Composition	
EVA	85-90%
HI Tech Additive A	5-10%
HI Tech Additive B	<2%
Physical State	Pellets
Colour	White to off white or orange
Active Content	5-10%
Melting Temperature	~ 87°C (189°F)
Softening Temperature	~59°C (138°F)
Decomposition Temperature:	~ 210°C (410°F)
Vinyl Acetate	18%
Rate of usage	2-4%
Grades Available	2331 – E (Eva Based) 2331 – L (LDPE Based)

#### USAGE

It is a ready to use and since every application is unique it is recommended for the users to determine the applicable usage rate based on their requirements.

#### How it works

- Rodent Repellent Master Batch contains bitter compounds unaccepted by rodents.
- This objectionable taste dissuades rodents from biting the polymers containing this additive.
- Even if they bite the polymer once, they get dissuaded from biting it again due to highly bitter taste



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#### DISPOSAL

Recommendation: Do not allow product to reach sewage system.

Disposal of product or waste must comply with official local regulations.

Packaging that cannot be recycled must be disposed in the same manner as the product.

#### SAFETY INFORMATION

- Keep Out Of Reach Of Children
- Keep Container Tightly Closed
- Not For Internal Consumption
- Consult Material Safety Data Sheet For More Information

#### DECLARATION

This Data sheet and information it contains is considered to be accurate at the date of printing. No representation or warranty, expressed or implied is made as to the accuracy or completeness of the data and information contained in this publication. It is the User's obligation to evaluate and use products safely and within the scope advised in the data sheet and to comply with all applicable laws and regulations.

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