



Additives/Master batches

MSDS

No Entry-002

Master batch

(Rodent & Termite Repellent)

(Date Issued: 01.10.18)

1. IDENTIFICATION OF THE PREPARATION

Product Name	No Entry-002 Master batch
Application	Used as master batch in LLDPE, HDPE or other polymers for preventing the Substrate from rodent & termite attacks.
Company Identification	NICHEM SOLUTIONS Plot No. A-408, Rd.No.28, Ramnagar, Wagle Estate, Thane(W)-400 604. Maharashtra, INDIA.
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2. COMPOSITION OF INGREDIENTS

Description	Contents	HS Code No.	CAS Reg No.
Based on Microporous polymer filled with low odor-emitting & highly bitter compounds converted to plastic master batch in LLDPE, HDPE or other polymers.	Odoriferous & Organoleptic Compounds	38089990	Proprietary

3. HAZARD IDENTIFICATION

Contact with Eyes: None

Contact with Skin: None

Ecological Hazards: Not persistent in soil or water, immobile in soil

4. FIRST AID MEASURES

General information: Bring affected persons out of danger area. Observe self-protection (body protection, eye protection, respiratory protection).

After skin contact: Wash with soap & plenty of water

After eye contact: Pellets can cause irritation to eyes. Wash with plenty of water & seek medical attention.

After swallowing: Have patient rinse out mouth with water. Drink plenty of salt water. Induce vomiting. Consult doctor immediately.

5. FIRE FIGHTING MEASURES

- Does not contain any inflammable substance, therefore, no special fire-fighting measures need to be followed.
- Suitable extinguishers – Carbon Dioxide, Foam.
- Wear full protective clothing including chemical protection suit.
- Prevent run-off water from entering drains.
- If polluted water reaches drainage systems or water courses, immediately inform appropriate authorities.

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6. ACCIDENTAL RELEASE MEASURES

Spilt pellets can cause slipping hazard.
Collect with broom & shovel & transfer to sealed containers for disposal.

7. HANDLING AND STORAGE

HANDLING: Information for safe handling:

The usual precautionary measures for dealing with chemicals should be observed. Protect from impurities. Never return spilt product to original container. Wear personal protective equipment; see section 8. Avoid contact with skin, eyes and clothing. Ensure there is good room ventilation. Provide for installation of emergency shower and eye bath. Change work clothes that have been contaminated with product. Wash contaminated clothing immediately with water.

STORAGE CONDITION: Requirement to be met by storerooms and containers:

Only use polyethylene material (HDPE) bottles/containers thoroughly covered with lid. Always close container tightly after removal of product.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

General Protective and hygienic measures

Protection of hands: Wear protective gloves made of PVC, neoprene or natural rubber.

Eye protection: Wear safety goggles.

Body protection: Change work clothes immediately if spilled with the product.

9. PHYSICAL & CHEMICAL PROPERTIES

Physical Properties	
Form	Cylindrical pellets
Colour	White - Off white
Odor	Characteristics
Chemical Properties	
Base	Based on Microporous polymer filled with low odor-emitting & highly bitter compounds converted to plastic master batch in LLDPE, HDPE or other polymers.
Bulk Density	0.55- 0.65 gm/cc
Particle Size	2 to 3 mm
Flash Point	Not Applicable
Melting temp.	140 to 160 deg C
Decomposition temp.	Greater than 350 deg C
Ignition temp	Greater than 350 deg C
Solubility	Insoluble in water & selectively soluble in solvents
Stability	Stable at ambient temperature under normal conditions of use

10. STABILITY AND REACTIVITY

- Stable at Room Temperature
- It is not affected by atmospheric oxygen
- **Conditions to be avoided:** light, sun rays, ozone
- **Substances to be avoided:** None
- **Reactivity:** The product is inert to most acids
- **Solubility:** It is insoluble in water & solvents. It is soluble in fused alkali hydroxides in presence of air, in fused alkali peroxides, in alkali cyanides in presence of air or oxygen.

11. TOXICOLOGICAL INFORMATION

Chronic Toxicity has not been demonstrated by **Odor Emitting & Bitter Compounds**
They are not listed as a carcinogen by MAK, IARC, NTP, OSHA, and ACGIH.

Carcinogenicity: No evidence of carcinogenic effects

Teratogenicity: No evidence of teratogenic effects

Mutagenicity: No evidence of mutagenic effects

The LD50 value (Oral: Rat & Mice)-10,000 mg per kg of the body weight

12. ECOLOGICAL INFORMATION

Eco-toxicity: None

Mobility: Insoluble in water & solvents

Persistence and Biodegradability: Not persistent in soil or water. Immobile in soil

Risk of bioaccumulation: None

Other adverse effects: None

13. DISPOSAL CONSIDERATIONS

Recommendation: Product

Product may be packed in secure containers and sent to certified, desalinated land fill areas for land filling with leachate control in accordance with local legal regulations and after permission given by the responsible local legal authority

Unclean packaging:

Rinse empty containers with water prior to disposal. Take decontaminated packaging to local recycling centre.

14. TRANSPORT INFORMATION

Product is safe for transport by Roadways, Airways or Waterways. No special precautions need to be taken for the product with adequate packing in plastic bottles/containers – as mentioned in Section 7.

Not classified as dangerous for transport as per IATA guidelines

Classification: Not regulated as per IATA guidelines.

15. REGULATORY INFORMATION

Labeling of substances in line with EC Directive 67/546/EEC and amendment.

Not classified as dangerous for supply/use

Risk Phrases	R41: Risk of serious damage to eyes
Safety Phrases	S7: Keep container tightly closed S25: Avoid contact with eyes S26: In case of contact with eyes, rinse immediately with plenty of water & seek medical advice S28: After contact with skin wash immediately with plenty of water S36/37/39: Wear suitable protective clothing, gloves, eye/face protection S45/46: If swallowed or in case of accident or if you feel unwell, seek medical advice immediately (show the label if possible)

16. OTHER INFORMATION

Disclaimer: NICHEM SOLUTIONS has internally & externally verified the effectiveness & efficacy of its products by a standard protocol. We expect to reproduce the same results at customer's end by adopting same protocol. We take responsibility for the uniform quality of our products. However, NICHEM SOLUTIONS will not be responsible for any consequential liability of any nature for whatsoever reason.

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