

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: GUARDIAN

1. IDENTIFICATION OF SUBSTANCE:

- i. Product Details:
Trade Name: Guardian
- ii. Manufacturer / Supplier:
Ceres Organics Pvt Ltd
Mumbai, Maharashtra, India
- iii. Use:
Insect and pest controlling and repelling agent

2. HAZARDS IDENTIFICATION:

Even natural materials and its formulations may be hazardous. Hence one has to handle such products with care especially while mixing and applying the formulation.

3. FIRST AID MEASURES:

- i. After Skin Contact: Wash with soap and rinse with water
- ii. After Eye Contact: Rinse with plenty of water, get medical attention if required
- iii. Ingestion: Do not induce vomiting, call a physician

4. FIRE FIGHTING MEASURES:

- i. Extinguishing Agents: Carbon dioxide or polymer foam
- ii. Fire and explosion hazards: Carbon Dioxide and carbon monoxide

5. ACCIDENTAL RELEASE MEASURE:

- i. Wear safety glasses and rubber gloves
- ii. Collect material, flush leftovers with water while cleaning

6. HANDLING AND STORAGE:

- i. Handling: No further requirements
- ii. Storage: Keep cool and dry. Avoid direct sunlight.

7. EXPOSURE CONTROLS AND PERSONAL PROTECTION:

- i. Critical Values:
TLV (Threshold Limit Value): Not established
- ii. General Protective and Hygiene Measures:
Keep away from food, feed and beverages. Wash hands after usage.

8. PHYSICAL AND CHEMICAL PROPERTIES:

- i. Form: Liquid
- ii. Colour: Yellowish White
- iii. Smell: Characteristic Neem and Karanj Odour
- iv. Boiling Point: 100 °C

- v. Flash Point: 170 °C
- vi. Self-Inflammability: Not self igniting
- vii. Danger of Explosion: Non explosive
- viii. Solubility in Water: Emulsifiable in water
- ix. pH value: 4.00 ± 1.00

9. STABILITY AND REACTIVITY:

- i. Conditions to Avoid: High temperature and sunlight
- ii. Materials to Avoid: Acids, alkalis and oxidising agents
- iii. Dangerous Products of Decomposition: None

10. ECOLOGICAL INFORMATION:

- i. Effect on Honeybees: Harmless
- ii. Effect on Earthworms: Harmless
- iii. Effect on Predators: Harmless
- iv. Hazard on Soil Microflora: Non hazardous
- v. Metabolism on Soil: Rapid decomposition in soil
- vi. Degradability in water: Readily biodegradable

11. DISPOSAL CONSIDERATIONS:

Disposal to be made according to official regulations. Do not allow material to contaminate the surrounding area and the ground water.

12. TOXICOLOGICAL INFORMATION:

Non Toxic

13. TRANSPORT INFORMATION:

No hazardous material in regard to transport regulations

14. REGULATORY INFORMATION:

- i. Designation According to EC Guidelines:
No hazardous material
- ii. National Regulations:
Non water hazardous material (On estimation)
- iii. Further Regulations:
The guidelines for the prevention of accidents according to local regulations have to be followed

15. OTHER INFORMATION:

Origin of the issued data:
Ceres Organics Pvt Ltd (India)

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.