

CHECKMITE™

MATERIAL SAFETY DATA SHEET



Vittal Mallya Scientific Research Foundation

Creation Date: 15-Jan 2022

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Revision Number: 5

I. PRODUCT IDENTIFICATION

Designation: CHECKMITE

Description: An Aerosol formulation containing the extracts of Neem based fraction, Styrax benzoin extract and Fragrance (Lavender) in organic solvent in de odorized propellant (LPG)

II. GENERAL INFORMATION

Product developed at
Vittal Mallya Scientific Research
Foundation, Yelechenahalli
Bangalore - 560062
India.
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III. COMPOSITION

Azadirachtin Pure (~38%) - 0.03% w/w
Neem Seed Ext with fungicidal activity
- 0.3% w/v
Styrax benzoin extract : 0.1% w/v
Fragrance (Lavender): 0.01 % v/v
Propellant : Hydrocarbon-based.

IV. CHEMICAL AND PHYSICAL PROPERTIES

Appearance: 300 ml Aerosol Can with Lavender Fragrance

Odor: Lavender

Taste: NA: as it is a spray

Bulk density: NA

Solubility: Soluble in Organic Solvents like ethanol, methanol, isopropanol

pH of 1% solution (Ethanol): 5.5-6.0

V. HAZARD IDENTIFICATION

Eyes: May cause slight eye irritation

Skin: Not likely to cause irritation

Inhalation: May cause slight respiratory irritation

Ingestion: NA

Caution: Keep away from children

VI. FIRST AID MEASURES

Eyes: Immediately flush eyes with plenty of water. Get medical attention if irritation persists.

Skin: Not likely to be hazardous by contact. Wash with plenty of water to remove the material.

Inhalation. Move to fresh air in case any breathing difficult occurs. No specific treatment is necessary since the material is not likely to be hazardous

Ingestion: Ingestion of large amounts (> 5.0 g) may be harmful. Seek medical attention if required.

See toxicological information

VII. FIRE FIGHTING MEASURES

Do not trigger the valve near flame as it contains an organic solvent

Will burn if involved in a fire.

Hazardous combustion products: carbon dioxide and organic solvent

Flash point- about 12°C

Extinguishing media: Water, dry powder, sand, foam, CO₂

VIII. ACCIDENTAL RELEASE MEASURES

The material is a water pollutant and should be prevented from entering sewers and drainages and bodies of water.

Clean up: Absorb spills with inert material and place in chemical waste container.

IX. HANDLING AND STORAGE

Handling: Avoid dust formation. Keep containers tightly closed in a dry cool well ventilate place. Wash thoroughly after handling. Avoid prolonged breathing of dust vapors.

Storage: Temperature min/max- 4°C/30°C.

Special sensitivity: Heat, light and moisture.

X. EXPOSURE CONTROL/PERSONAL

Eye protection equipment: Safety glasses, splash goggles or face mask

Inhalation: wear proper dust filtration masks

Skin protection: Chemical resistant gloves, coveralls and shoes.

XI. TOXICOLOGICAL INFORMATION PROTECTION

Skin: The dermal LD 50 for wistar rats is over 2000 mg/kg body weight

Acute oral toxicity: The LD 50 in rats is 7420 mg/kg body weight.

Mucous membrane irritation potential in rabbits - negligible.

Non Toxic at such.

XII. ECOLOGICAL INFORMATION

Not expected to kill fish at recommended rates and will not cause long-term effects. Will cause significant fish kill if large concentration reaches water ways. No significant effects on other wild life.

Chemical fate information: Accumulation in the environment is not expected. Biodegradation expected in wastewater treatment plant.

XIII. DISPOSAL CONSIDERATION

Waste disposal method - Waste must be disposed of in accordance with Federal, state and local environmental control regulations.

XIV. TRANSPORTATION INFORMATION PROTECTION

By road/air/sea : Hazardous material
UN no 1950

XV. REGULATORY INFORMATION

Volatile Organic Compounds (VOCs):
Ethyl acetate, Hexane (ppm) Organic solvent as carrier

XVI. OTHER INFORMATION

The information herein is given in good faith, but no warranty, expressed or implied, is made.

AzaPure US EPA Registration Number- 81899-5 and IPR protected.

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