

MATERIAL SAFETY DATA SHEET (MSDS)

Page: 1 of 2

PRODUCT: Green Hands All Natural Lizard Repel

Company: HardwareCity (S) Pte Ltd **phone:** +65 62660802
Address: 204 – 204A – 206 - 208 Choa Chu Kang, Avenue 1, S(689473)

Eye: No effects in normal use. Direct contact may cause mild transient discomfort.
Skin: No effects in normal use. Direct contact may cause slight irritation in sensitive individuals.
Inhaled: No effects in normal use with adequate ventilation. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

FIRST AID

Swallowed: Do not induce vomiting! Give 1 to 2 glasses of water to dilute. If vomiting occurs, keep victim's head below hips to prevent aspiration into the lungs. Get prompt medical attention.
Eye: Hold open and flush with water for 15 minutes. Seek medical advice immediately if necessary.
Skin: Wash with warm water and soap. Seek medical advice if irritation persists.
Inhaled: Remove to fresh air, administer artificial respiration if needed. Seek medical attention.
First Aid Facilities: No special requirements.
Advice To Doctor: Treat symptomatically. Aspiration hazard. May cause chemical pneumonitis.

Date: 10.10.13 Supersedes: New Issue: 1 Reference: LIZI

MATERIAL SAFETY DATA SHEET

Page: 2 of 2

PRECAUTIONS FOR USE

Exposure Standards: Not exposed to accumulation
Engineering Controls: For normal use, general room ventilation is adequate. In confined spaces or high use areas, maintain adequate ventilation.

PERSONAL PROTECTION

Respiratory: No special requirements under normal use. Use with adequate ventilation.
If WES TWA is exceeded, wear an approved organic vapour respirator.
Skin: No special requirements under normal use. Those with sensitive skins should not use
Eyes: No special requirements under normal use. Do not spray directly into eyes.

SAFE HANDLING INFORMATION

Flammability: Non-flammable.

Storage & Transport: Proper shipping name is Repellent Spray .They may be loaded with Classes 3, 4, 5, 6, 7, 8, 9, foodstuffs and foodstuff empties.
Not a scheduled poison. Keep from extreme heat and open flames. Ensure material does not come in contact with substances listed under "Materials to avoid" below.

Spills and Disposal: For a major spill, prevent spillage from entering drains or water courses. Evacuate the spill area. Call the Fire Brigade. Wear overalls, goggles and gloves. Stop leak if safe to do so, and contain spill. Absorb onto sand, vermiculite or other suitable absorbent material. Sweep up and shovel or collect recoverable product into labelled containers for recycling or salvage. Recycle containers wherever possible. After spills, wash area preventing runoff from entering drains. If material enters drains, advise emergency services. Dispose of only in accord with all regulations.

Fire/Explosion Hazard: This product is classified as a non-hazardous.
Flashpoint, °C : Non-Flammable
Flammability Limits: Not Applicable
Extinguishing Media: Not Applicable
Fire fighting Procedures: Fight fire from maximum distance or protected area. Keep containers cool with water spray. Use water spray to disperse vapour. Protect personnel against bursting containers. Breathing apparatus is recommended for fire fighters. Ensure that no spillage enters drains or water courses.

Unusual Hazards: Fire decomposition products from this product may form toxic mixtures in confined spaces. Vapours are heavier than air and may accumulate in low-lying spaces, forming potentially explosive mixtures. They may also flash back considerable distances.

Stability: Will not spontaneously decompose.
Polymerisation: Will not spontaneously polymerise.
Decomposition Products: Carbon dioxide, and if combustion is incomplete, carbon monoxide and smoke. Water.
Materials to avoid: Strong oxidising agents.

OTHER INFORMATION

Prepared in accordance with the *National Code of Practice for the Preparation of Material Safety Data Sheets*

IDENTIFICATION

Hazardous Nature: Classified as non-hazardous. Manual spray in PET bottle. Do not require gas to propel sprayer.
UN Number: Classed as Non-Hazardous cargo
HS Code 38085021
Other Names: Proper shipping name is LIZI – Lizard Repellent Spray
Dangerous Goods Class: Non-Flammable (no gases)
Subsidiary Risk: Not applicable
Packaging Group: Not applicable
Hazchem Code: Not Applicable
Poisons Schedule: None allocated.
Use: Lizard Repellent spray (in PET Bottle)

PHYSICAL PROPERTIES

Appearance: Light milky liquid spray.
Boiling Point: No specific data. Liquid at normal temperature.
Can Pressure, kPa: NIL
Vapour Density, (Air = 1): > 1
Flashpoint, °C : Not Flammable
Solubility in Water: Dispersible

SPECIFICATIONS

GROSS WEIGHT 250 gram per bottle
NET WEIGHT 200 gram (200 ml) per bottle
MEASUREMENT H: 200mm; W: 48mm
PACKING MATERIAL HDPE Trigger Sprayer bottle / adjustable to spray and jet stream

INGREDIENTS / COMPOSITION	CAS Number	Proportion, %	WES TWA, mg/m ³	WES STEL, mg/m ³
Permethrin Concentrate	52645-53-1	2.00	Not established	Not established
Solvents	90622-53-0	2.00	Not established	Not established
Non hazardous chemicals	NA	10.00	Not established	Not established
Other active ingredients	NA	86.00	Not established	Not established

HEALTH HAZARD INFORMATION

HEALTH EFFECTS No specific data is available for chronic exposure symptoms. The ingredients are not listed as carcinogenic in OSH's document *Workplace Exposure Standards* nor in NOHSC's *List of Designated Hazardous Substances*.
ACUTE EFFECTS No record of any acute effects reported
Swallowed: Unlikely to occur in normal use. Maybe slightly toxic. May cause discomfort.

Dermal LD50 (20,000 mg / kg)

Practically Non-Toxic Range

CONTACT POINTS

Police and Fire Brigade:

Please read all label information before using this product.

The information herein is given in good faith. No warranty, expressed or implied is made. Any use of this data and information must be determined by the user to be in accordance with applicable Governmental laws and regulations.

Date: 10.10.13

Supersedes: New

Issue: 1

Reference: LIZI