

**MATERIAL SAFETY DATA SHEET**

Shooter

FILE NO.: 440000001

MSDS DATE: 11/07/11

**SECTION 1: PRODUCT AND COMPANY IDENTIFICATION****PRODUCT NAME:** Shooter**MANUFACTURER:** QuestVapco Corporation**ADDRESS:** P.O. Box 624  
Brenham, TX 77834**EPA REGISTRATION NUMBER:** 1021-1648-44446**EPA ESTABLISHMENT NUMBER:** 44446-TX-1**PRODUCT CODES:** 440000001**EMERGENCY PHONE:** 1-800-231-0454**CHEMTEL PHONE:** 1-800-255-3924**OTHER CALLS:** 1-800-231-0454**PRODUCT USE:** Insecticide**SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS	OSHA PEL	ACGIH TLV	Supplier OEL	
Esfenvalerate		66230-04-4	None	None	Skin irritant
Tetramethrin (NEO-PYNAMIN®)	7696-12-0	None	None	None	None
MGK®-264 (N-Octyl Bicycloheptene Dicarboximide)	113-48-4	None	None	None	None
Isoparafinic Hydrocarbon	64742-47-8	None	None	100 ppm	100 ppm
Liquefied Petroleum Gas		68476-86-8	1000 ppm	1000 ppm	None

**SECTION 3: HAZARDS IDENTIFICATION****EMERGENCY OVERVIEW:** CAUTION. Contents under pressure. **Do not expose to temperatures above 130°F (54.4°C), as bursting may occur.** Harmful if absorbed through the skin. Avoid contact with skin, eyes, and clothing.**POTENTIAL HEALTH EFFECTS: EYES:** May cause temporary irritation, tearing, and blurred vision. **SKIN:** Can cause skin irritation. Can cause a burning or prickling sensation on more sensitive areas (face, eyes, mouth). Harmful if absorbed through the skin. **INGESTION:** May be harmful if swallowed. **INHALATION:** Excessive inhalation of mists can cause nasal and respiratory irritation. **CHRONIC EFFECTS:** None known. **COMMENTS:** This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).**CARCINOGENICITY:** OSHA: No ACGIH: No NTP: No IARC: No OTHER: No**SECTION 4: FIRST AID MEASURES****EYES:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice. **SKIN:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice. **INGESTION:** If swallowed, IMMEDIATELY call a poison control center or doctor for treatment advice. DO NOT give any liquid to the person. Do not induce vomiting unless told to do so by a poison control center or a doctor. Never give anything by mouth to an unconscious person. **INHALATION:** Remove affected person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice. **NOTES TO PHYSICIAN:** For skin effects, a highly efficient therapeutic agent for pyrethroid exposure is topical application of tocopherol acetate (Vitamin E). Diazepam has been recommended to reduce the CNS effects of Esfenvalerate.**SECTION 5: FIRE-FIGHTING MEASURES****FLAMMABLE LIMITS IN AIR (%BY VOLUME)****FLASH POINT (METHOD USED: TCC):** F: >200 C: >93

UPPER: N/A LOWER: N/A

**AUTOIGNITION TEMPERATURE:** F: N/A C: N/A**NFPA HAZARD CLASSIFICATION:** HEALTH: 1 FLAMMABILITY: 1 REACTIVITY: 0 OTHER:**HMIS HAZARD CLASSIFICATION:** HEALTH: 1 FLAMMABILITY: 1 REACTIVITY: 0 PROTECTION: A**FLAMMABLE CLASS:** This aerosol is NOT classified as FLAMMABLE by the flame extension test method described in 16 CFR 1500.45.**EXTINGUISHING MEDIA:** Foam, carbon dioxide or dry chemical.**HAZARDOUS COMBUSTION PRODUCTS:** Under fire conditions this product may support combustion and may decompose to give off toxic gases such as HYDROGEN CYANIDE, oxides of carbon, and nitrogen oxides.**EXPLOSION HAZARDS:** Contents under pressure. Exposure to temperatures above 130°F (54.4°C) may cause bursting.**FIRE FIGHTING PROCEDURES:** Treat as an oil fire. Use a full-faced self-contained breathing apparatus along with full protective gear. Keep nearby containers and equipment cool with a water stream.**SENSITIVITY TO IMPACT:** Forceful impacts can cause damage to aerosol unit and may cause a bursting or explosion hazard.**SECTION 6: ACCIDENTAL RELEASE MEASURES****ACCIDENTAL RELEASE MEASURES:** Clean up with suitable absorbent. If many cans are opened remove ignition sources. Do not allow to drain into sewers or Storm Drains. Dispose of in accordance with local, State and Federal regulations. Contains pyrethroids which are toxic to fish and other aquatic invertebrates. Contaminated absorbent and wash water should be disposed of according to local, state/provincial and federal/national regulations.

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**SMALL SPILL:** Shut off ignition sources. Stop release, if possible without risk. Dike or contain release, if possible, and if immediate response can prevent further damage or danger. Isolate and control access to the release area. Take actions to reduce vapors. Absorb with appropriate absorbent. Clean spill area of residues and absorbent.

**LARGE SPILL:** Shut off ignition sources. Stop release, if possible without risk. Dike or contain release, if possible, and if immediate response can prevent further damage or danger. Isolate and control access to the release area. Take actions to reduce vapors. Collect product into drums, etc. via drains, pumps, etc. Absorb with appropriate absorbent. Clean spill area of residues and absorbent.

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## SECTION 7: HANDLING AND STORAGE

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**GENERAL PROCEDURES:** Do not use or store near heat, sparks, open flame, or any other ignition sources. Avoid contact with skin, eyes, and clothing. Do not contaminate water, food, or feedstuffs by storage, handling, or by disposal. Read and observe all precautions and instructions on the label very carefully.

**HANDLING:** DO NOT use more than one fogger per room. DO NOT use in small, enclosed spaces such as closets, cabinets or under counters or tables. DO NOT use in a room 5 ft. X 5 ft. or smaller; instead, allow fog to enter from other rooms. Turn off ALL ignition sources such as pilot lights (shut off gas valves), other open flames or running electrical appliances that cycle off and on (i.e., refrigerators, thermostats, etc.).

**STORAGE:** Store containers closed, upright, and in cool, dry, and well-ventilated areas. Exposure to temperatures at or above 130°F (54.4°C) may cause bursting. Emptied containers may retain product residues. DO NOT puncture or incinerate container. KEEP OUT OF REACH OF CHILDREN.

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## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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**ENGINEERING CONTROLS:** Ventilate treatment area thoroughly before re-entry.

**VENTILATION:** Ambient, Forced ventilation when using product in confined area.

**EYES AND FACE:** Take prudent precautions to avoid contact with eyes.

**SKIN:** Take prudent precautions to avoid contact with skin and clothing.

**WORK HYGIENIC PRACTICES:** DO NOT SMOKE, EAT, OR DRINK, OR APPLY COSMETICS IN WORK AREA! Wash promptly if skin becomes contaminated. Wash at the end of each work shift and before eating, smoking, or using the toilet.

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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**PHYSICAL STATE:** Liquefied gases and liquid.

**APPEARANCE:** Milky, white liquid.

**pH:** 7.43 **Notes:** pH measurement is for the aerosol contents less the compressed gas propellant (i.e., Non-Volatiles).

**VAPOR DENSITY:** Heavier than air.

**SOLUBILITY IN WATER:** Not Determined

**SPECIFIC GRAVITY:** 0.999 (Water = 1) at 20°C (68°F) **Notes:** Specific Gravity is for the aerosol contents less the compressed gas propellant (i.e., Non-Volatiles).

**VISCOSITY #1:** 2421.67 CPS at 23°C (73.4°F) Brookfield on Non-Volatiles  
**(VOC):** < 40.000 %

**ODOR:** Odor of Petroleum Distillates.

**COLOR:** 1.0 on Gardner Scale.

**FREEZING POINT:** Not Determined

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## SECTION 10: STABILITY AND REACTIVITY

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**STABILITY:**                    **STABLE:**                    **X**                    **UNSTABLE:**

**CONDITIONS TO AVOID (STABILITY):** Open flames, Teperatures over 120F

**INCOMPATIBILITY (MATERIAL TO AVOID):** Strong oxidizers, bases, and acids

**HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:** Oxides of Carbon under forced combustion.

**HAZARDOUS POLYMERIZATION:** NO

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## SECTION 11: TOXICOLOGICAL INFORMATION

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**TOXICOLOGICAL INFORMATION: ACUTE - DERMAL LD50:** > 2.0 gm/kg (Albino rabbit), **ORAL LD50:** > 5.0 gm/kg (Albino rat),

**INHALATION LC50:** > 3.23 mg/L (Rats) exposed for 4 hours to test atmosphere.

Eye irritation is cleared in 48 hours. The skin shows slight irritation at 72 hours. Irritation Index = 1.46. Not considered to be a dermal sensitizer to albino guinea pigs.

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## SECTION 12: ECOLOGICAL INFORMATION

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**ECOLOGICAL INFORMATION:** Contains oil do not let residue come in contact with waterways in the United States. Contains pyrethroids which are toxic to fish and other aquatic invertebrates. Contaminated absorbent and wash water should be disposed of according to local, state/provincial and federal/national regulations.

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**SECTION 13: DISPOSAL CONSIDERATIONS**

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**DISPOSAL METHOD:** Do not puncture or incinerate container. Do not reuse empty container. Wrap container and place in trash collection. IF EMPTY: Place in trash or offer for recycling if available. IF PARTLY FILLED: Call your local solid waste agency for disposal instructions.

**RCRA/EPA WASTE INFORMATION:** None of the ingredients in this product appear on the RCRA lists (40 CFR 261.24, 40CFR 251.33) or CERCLA Hazardous Substance list (40 CFR Part 302 Table 302.4)

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**SECTION 14: TRANSPORT INFORMATION**

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**U.S. DEPARTMENT OF TRANSPORTATION****PROPER SHIPPING NAME:** Consumer Commodity**HAZARD CLASS:**

ORM-D

**WATER TRANSPORTATION****PROPER SHIPPING NAME:** Consumer Commodity**HAZARD CLASS:**

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**ID NUMBER:** UN8000**AIR TRANSPORTATION****PROPER SHIPPING NAME:** Consumer Commodity**HAZARD CLASS:**

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**ID NUMBER:** UN8000

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**SECTION 15: REGULATORY INFORMATION**

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**U.S. FEDERAL REGULATIONS**

**TSCA (TOXIC SUBSTANCE CONTROL ACT):** All ingredients of this product are listed or are excluded from listing on the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

**SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):**

**CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT):** There are no components that are subject to emergency requirements under CERCLA Section 103(a)(40 CFR 302.4) in this formulation.

**302/304 EMERGENCY PLANNING:** There are no SARA Title III Section 302 extremely hazardous substances present in this formulation (40 CFR 355).

**311/312 HAZARD CATEGORIES:** Pressure generating, Acute health

**313 REPORTABLE INGREDIENTS:** None

**STATE REGULATIONS:** This product contains no known chemicals regulated by California's proposition 65.

**VOLATILE ORGANIC COMPOUNDS (VOC):** This product contains less than 40% VOC's.

**INTERNATIONAL REGULATIONS:** Isoparafinic Hydrocarbon - 64742-47-8 – **EINECS, Japan, Australia, Canada WHMIS, China, Korea, Philippines.**

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**SECTION 16: OTHER INFORMATION**

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**PREPARED BY:** Juanita Mercure

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