SECTION I - IDENTIFICATION

PRODUCT NAME: Bug Ban Plus
PRODUCT CODE: 4580
PRODUCT USE: Insect repellant
COMPANY NAME: QuestVapco Corporation
COMPANY ADDRESS: PO Box 624 Brenham, TX 77834
COMPANY PHONE: 1-800-231-0454
EMERGENCY PHONE: 800-255-3924

SECTION II – HAZARDS IDENTIFICATION

CLASSIFICATION:
- Flammable Aerosol: Category 2
- Liquefied Gas
- Skin Irritant: Category 2
- Eye Irritant: Category 2A

HAZARD STATEMENT(S):
Warning: Flammable Aerosol Contains gas under pressure; May explode if heated. Causes skin and serious eye irritation.

This product contains the following percentage of chemicals of unknown toxicity: 0%

PRECAUTIONARY STATEMENTS:
- Keep away from heat, sparks, open flames, and hot surfaces. –No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Protect from sunlight. Do not expose to temperatures exceeding 50C/122F. Store in a well-ventilated place. Wash hands thoroughly after handling. Wear protective gloves and eye protection. If on skin: Wash with plenty of water. If skin irritation occurs: Get medical attention. Take off contaminated clothing and wash before reuse. If in eyes: Rinse cautiously with water for several minutes. Continue rinsing. If eye irritation persists: Get medical attention.

SYMBOL:

HAZARDS NOT OTHERWISE CLASSIFIED: N/A

SECTION III – COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>HAZARDOUS INGREDIENT</th>
<th>CAS NUMBER</th>
<th>PERCENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diethyl-M-Toluamide</td>
<td>134-62-3</td>
<td>22.56%</td>
</tr>
<tr>
<td>Isopropyl Alcohol</td>
<td>67-63-0</td>
<td>15-40%</td>
</tr>
<tr>
<td>Propane/n-Butane</td>
<td>68476-86-8</td>
<td>10-30%</td>
</tr>
<tr>
<td>Acetone</td>
<td>67-64-1</td>
<td>3-7%</td>
</tr>
<tr>
<td>n-Octyl bicycloheptene dicarboximide</td>
<td>113-48-4</td>
<td>5%</td>
</tr>
<tr>
<td>Di-n-propyl isocinchomeronate</td>
<td>136-45-8</td>
<td>2.5%</td>
</tr>
</tbody>
</table>

SECTION IV - FIRST AID MEASURES

EYES: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention.

INGESTION: Rinse mouth with water. Do not induce vomiting unless directed by medical authority. Seek medical attention.

INHALATION: Move to fresh air. If breathing is difficult, administer oxygen. If heartbeat or breathing seems irregular seek immediate medical attention.

SKIN: Immediately wash with soap and water for 15 minutes. Seek medical attention.

ACUTE HEALTH HAZARDS: Eyes: redness, tearing, blurred vision
Skin: defatting and dermatitis
Oral: abdominal irritation, nausea, vomiting, and diarrhea

CHRONIC HEALTH HAZARDS: None known

NOTE TO PHYSICIAN: There is no specific treatment regimen. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.
SECTION V – FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA:  Dry chemical, alcohol foam, alcohol-resistant foam, or carbon dioxide. Water may be ineffective.  
UNSUITABLE EXTINGUISHING MEDIA:  Water spray/stream.  
SPECIAL FIRE FIGHTING PROCEDURES:  Wear NIOSH approved Self Contained Breathing Apparatus with a full face piece operated in a positive pressure demand mode with full body protective clothing when fighting fires. Avoid contact with skin and breathing smoke, fumes, and decomposition products. Cool fire exposed containers with water fog to prevent bursting.  
UNUSUAL FIRE AND EXPLOSION HAZARDS:  Keep away from sparks, open flames, and hot surfaces.  No smoking.  Do not spray on an open flame or other ignition source.  
HAZARDOUS COMBUSTION PRODUCTS:  Oxides of carbon

SECTION VI – ACCIDENTAL RELEASE MEASURES

PERSONAL PROTECTIVE EQUIPMENT:  Refer to section VIII for proper Personal Protective Equipment.  
SPILL:  Contain Spill. Use absorbent material such as vermiculite for large spills. Small spills may be wiped up using wiping material  
WASTE DISPOSAL:  Dispose of in accordance with local, State and Federal regulations. Wrap empty containers in newspaper and dispose properly  
RCRA STATUS:  Liquid could be classified as D001 under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

SECTION VII – HANDLING AND STORAGE

HANDLING AND STORAGE:  Protect from sunlight.  Store in a well ventilated place.  Do not expose to temperatures exceeding 50°C/122°F.  Pressurized container:  Do not pierce or burn, even after use.  
OTHER PRECAUTIONS:  Store in a cool, dry area away from heat, sparks or flame. Read directions before using.  
INCOMPATIBILITY:  Strong oxidizers, alkalies, and strong acids

SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION

HAZARDOUS INGREDIENT OSHA PEL ACGIH TLV

<table>
<thead>
<tr>
<th>Substance</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diethyl-M-Toluamide</td>
<td>Not Established</td>
<td>Not Established</td>
</tr>
<tr>
<td>Isopropyl Alcohol</td>
<td>400 ppm</td>
<td>200 ppm</td>
</tr>
<tr>
<td>Propane/n-Butane</td>
<td>1000 ppm</td>
<td>1000 ppm</td>
</tr>
<tr>
<td>Acetone</td>
<td>1000 ppm</td>
<td>500 ppm</td>
</tr>
<tr>
<td>n-Octyl bicycloheptene dicarboximide</td>
<td>Not Established</td>
<td>Not Established</td>
</tr>
<tr>
<td>Di-n-propyl isocinchomeronate</td>
<td>Not Established</td>
<td>Not Established</td>
</tr>
</tbody>
</table>

ENGINEERING CONTROLS / VENTILATION:  Ambient ventilation suitable, forced ventilation should not be required  
RESPIRATORY PROTECTION:  Not required with normal use. Wear NIOSH/MSHA approved respiratory protection if exposure limits are exceeded.  
PERSONAL PROTECTIVE EQUIPMENT:  Safety glasses  
ADDITIONAL MEASURES:  Wash hands thoroughly after handling.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:  Clear, light amber aerosol  
ODOR:  Insecticidal odor  
ODOR THRESHOLD:  N/D  
BOILING POINT:  165  
FREEZING POINT:  N/D  
FLAMMABILITY:  Flammable Aerosol  
FLASH POINT:  N/D  
AUTOIGNITION TEMPERATURE:  N/D  
LOWER FLAMMABILITY LIMIT:  N/D  
UPPER FLAMMABILITY LIMIT:  N/D  
VAPOR PRESSURE (mm Hg):  >10 @ 77°F (25°C)  
VAPOR DENSITY (AIR=1):  >2
**EVAPORATION RATE:** &lt;3  
**SPECIFIC GRAVITY (H2O=1):** 0.870  
**pH:** N/A  
**SOLIDS (%):** N/D  
**SOLUBILITY IN WATER:** 39%  
**PARTITION COEFFICIENT: n-OCTANOL/WATER (K_{ow}):** N/D  
**VOLATILITY INCLUDING WATER (%):** 70%  
**VOLATILE ORGANIC COMPOUNDS (VOC):** 64.5%  
**DIELECTRIC STRENGTH (Volts):** N/D  
**DECOMPOSITION TEMPERATURE:** N/D  
**VISCOSITY:** N/D

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### SECTION X – STABILITY AND REACTIVITY DATA

**REACTIVITY:** None Known  
**CHEMICAL STABILITY:** Stable  
**CONDITIONS TO AVOID:** Temperatures greater than 122°F may cause bursting.  
**INCOMPATIBILITY:** Strong oxidizers, alkalies, and strong acids  
**HAZARDOUS DECOMPOSITION OR BY-PRODUCT:** Oxides of carbon  
**POSSIBLE HAZARDOUS REACTIONS:** None Known

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### SECTION XI – TOXICOLOGICAL INFORMATION

**TOXICOLOGICAL INFORMATION:** Isopropyl Alcohol (67-63-0)  
LD_{50} (Oral, Rat) 5045 mg/kg; LD_{50} (Oral, Rabbit) 5045 mg/kg;  
LD_{50} (Dermal, Rabbit) 12,800 mg/kg; LC_{50} (Inhalation, Rat, 8hr) 16,000 ppm  
**ROUTES OF ENTRY:** Eyes, Ingestion, Inhalation, Skin  
**EYES:** May cause severe irritation, redness, tearing.  
**INGESTION:** May be harmful.  
**INHALATION:** May cause dizziness, disorientation, suffocation, unconsciousness with excessive or prolonged exposure.  
**SKIN:** May cause mild irritation if sensitive to Deet.  
**MEDICAL CONDITION AGGRAVATED:** None known  
**ACUTE HEALTH HAZARDS:** Eyes: redness, tearing, blurred vision  
Skin: defatting and dermatitis  
Oral: abdominal irritation, nausea, vomiting, and diarrhea  
**CHRONIC HEALTH HAZARDS:** None known  
**CARCINOGENICITY:** OSHA: No  
ACGIH: No  
NTP: No  
IARC: No  
**OTHER:** N/A

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### SECTION XII – ECOLOGICAL INFORMATION

**ECOLOGICAL INFORMATION:** Not Established  
**BIODEGRADABILITY:** Component or components of this product are not biodegradable.  
**BIOACCUMULATION:** This product is not expected to bioaccumulate.  
**SOIL MOBILITY:** This product is mobile in soil.  
**OTHER ECOLOGICAL HAZARDS:** None Known

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### SECTION XIII – DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL:** Dispose of in accordance with local, State and Federal regulations. Wrap empty containers in newspaper and dispose properly.  
**RCRA STATUS:** Liquid could be classified as D001 under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

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### SECTION XIV - TRANSPORTATION INFORMATION

**PROPER SHIPPING NAME:** Aerosols 2.1, Ltd. Qty.  
**HAZARD CLASS/DIVISION:** 2.1  
**UN/NA NUMBER:** UN 1950
PACKAGING GROUP: N/A

AIR SHIPMENT
PROPER SHIPPING NAME: Aerosols, Ltd. Qty.
HAZARD CLASS/DIVISION: 2.1
UN/NA NUMBER: UN 1950

SHIPPING BY WATER:
VESSEL (IMO/IMDG)
PROPER SHIPPING NAME: Aerosols, Ltd. Qty.
HAZARD CLASS/DIVISION: 2.1
UN/NA NUMBER: UN 1950
ENVIRONMENTAL HAZARDS WATER: Marine Pollutant

SECTION XV - REGULATORY INFORMATION

TSCA STATUS: All Chemicals are listed or exempt.
CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): None
SARA 311/312 HAZARD CATEGORIES: None
SARA 313 REPORTABLE INGREDIENTS: None
STATE REGULATIONS: California Proposition 65: None
INTERNATIONAL REGULATIONS: All components are listed or exempted.
This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:
Caution: Harmful if swallowed. Causes moderate eye irritation. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. EXTREMELY FLAMMABLE: Contents under pressure. Do not use near fire, heated surface, sparks or flame. Do not puncture or incinerate container. Exposure to temperatures above 130°F may cause bursting. Do not expose treated skin or clothing to fire, sparks or flame until liquid has evaporated.
EPA Reg. No. 44446-48
NFPA HEALTH: 1                  HMIS HEALTH: 1
NFPA FLAMMABILITY: 2             HMIS FLAMMABILITY: 2
NFPA REACTIVITY: 1               HMIS REACTIVITY: 1
NFPA OTHER: None                 HMIS PROTECTION: A

SECTION XVI - ADDITIONAL INFORMATION

PREPARATION BY: Jonathon Jarvis
DATE PREPARED: 11/12/2013
REVISION DATE: 11/04/2014

N/A = Not Applicable; N/D = Not Determined

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