Conforms to Hazard Communication Standard 29 CFR 1910.1200

## Section 1 - IDENTIFICATION

**Product Identifier:** **Repel Tick Defense**

**Other Means of Identification:**

| | |
|---|---|
| Product Code | HG-24138; HG-54138; HG-64138; HG-94138; HG-94279 |
| Formula Number | 21-0865 |
| EPA Reg. Number | 121-92-305 |

**Recommended Use:** Insect Repellent - Aerosol

**Recommended Restrictions:** Use in accordance with label directions

**Manufacturer/Importer/Supplier/Distributor Information:**

| | |
|---|---|
| Company Name | WPC Brands, Inc. |
| Address | PO Box 4406, Bridgeton, MO 63044-0406 |
| Telephone Number | 1-888-880-1181 |

**Emergency Telephone Number:**

| | |
|---|---|
| CHEMTREC | 1-800-424-9300 |
| Medical | 1-800-633-2873 |

## Section 2 - HAZARD(S) IDENTIFICATION

**Classification of Substance or Mixture:**

| | |
|---|---|
| Physical Hazard(s) | Flammable Aerosol - Category 2<br>Gases Under Pressure - Low Pressure Liquefied Gas |
| Health Hazard(s) | Eye Irritant - Category 2B |

**Label Elements:**

Hazard Pictogram(s)



Signal Word: WARNING

Hazard Statements:
Flammable aerosol
Contains gas under pressure; may explode if heated
Causes eye irritation

Precautionary Statements:
Keep away from heat, sparks, open flames, and hot surfaces. - No smoking.
Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Store in a well-ventilated place.
Wash hands thoroughly after handling.
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 attention.

**Hazard(s) not Otherwise Classified (HNOC):** No additional information available

**Supplemental Information:** None

## Section 3 - COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | Synonyms | CAS Number | % |
|---|---|---|---|
| Ethanol | n/a | 64-17-5 | 34.0 |
| Picaridin | n/a | 119515-38-7 | 15.0 |
| Isobutane | n/a | 75-28-5 | 10.0 |
| Butane | n/a | 106-97-8 | 1.0 |

In accordance with paragraph (d) of 1910.1200, the exact percentage (concentration) has been withheld as a trade secret. Other components are below reportable levels.

## Section 4 - FIRST-AID MEASURES

**Inhalation:** If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.

**Skin Contact:** In case of contact, wash skin with plenty of water. If skin irritation or redness develops, seek medical attention.

**Eye Contact:** In case of contact, flush eyes with plenty of water for 15 minutes. Remove contact lenses, if worn. If irritation persists, get medical attention.

**Ingestion:** If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical advice/attention.

**Most Important Symptoms/Effects, Acute and Delayed:** Symptoms of exposure may include, irritation of eyes and nose, cough and/or shortness of breath.

**Indication of Immediate Medical Attention & Special Treatment Needed:** Immediate medical attention should not be required.

## Section 5 - FIRE-FIGHTING MEASURES

| | |
|---|---|
| **Suitable Extinguishing Media:** | Dry chemical or CO2. |
| **Unsuitable Extinguishing Media:** | None: Use extinguishing agent suitable for type of surrounding fire. |
| **Specific Hazards Arising from the Chemical:** | Products of combustion may include, and are not limited to: oxides of carbon. |
| **Special Protective Equipment and Precautions for Firefighters:** | Keep upwind of fire. Vapors may cause dizziness or asphyxiation without warning. Vapors from liquefied gas are initially heavier than air and spread along ground. Contact with gas or liquefied gas may cause burns, severe injury and/or frostbite. Fire may produce irritating, corrosive and/or toxic gases. Wear positive pressure self-contained breathing apparatus (SCBA). Wear chemical protective clothing that is specifically recommended by the manufacturer. It may provide little or no thermal protection. Structural firefighters' protective clothing will only provide limited protection. |
| **In Case of Large Fire:** | Water spray, fog or regular foam. Move containers from fire area if you can do it without risk. Damaged cylinders should be handled only by specialists. |
| **Potential Hazards:** | Some may burn but none ignite readily. Containers may explode when heated. Ruptured cylinders may rocket. |

## Section 6 - ACCIDENTAL RELEASE MEASURES

| | |
|---|---|
| **Personal Precautions, Protective Equipment and Emergency Procedures:** | Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. |
| **Methods and Materials for Containment and Cleaning Up:** | Do not touch or walk through spilled material. Stop leak if you can do it without risk. Do not direct water at spill or source of leak. Use water spray to reduce vapors or divert vapor cloud drift. Avoid allowing water runoff to contact spilled material. If possible, turn leaking containers so that gas escapes rather than liquid. Prevent entry into waterways, sewers, basements or confined areas. Allow substance to evaporate. Ventilate the area. |
| **Environmental Precautions:** | Report spills as required by local and national regulations. Prevent entry into storm sewers and waterways. |

## Section 7 - HANDLING AND STORAGE

| | |
|---|---|
| **Precautions for Safe Handling:** | Avoid breathing mist. Avoid contact with skin and eyes. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke. Wash hands thoroughly after handling. |
| **Conditions for Safe Storage, Including any Incompatibilities:** | Keep out of reach of children. Keep container tightly closed. Keep away from heat, sparks, open flames, and hot surfaces. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Store in a well-ventilated place (See section 10). |
| **NFPA 30B Classification:** | Level 2 Aerosol |

## Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

**Control Parameters:**

| Chemical Name | Exposure Limits | | | | | |
|---|---|---|---|---|---|---|
| | OSHA PEL | | ACGIH TLV | | Supplier OEL | |
| | ppm | $mg/m^3$ | ppm | $mg/m^3$ | ppm | $mg/m^3$ |
| Ethanol | TWA 1000 | TWA 1900 | STEL 1000 | - | IDLH 3300 | - |
| Isobutane | - | - | STEL 1000 | - | - | - |
| Butane | - | - | STEL 1000 | - | - | - |

**Appropriate Engineering Controls:** General ventilation should be adequate for all normal use.

**Individual Protective Measures, Such as Personal Protective Equipment:**

Eye/face protection: Avoid eye contact.
Skin and body protection: None required under normal use conditions.
Respiratory protection: None required under normal use conditions.
General hygiene considerations: Do not eat, drink or smoke where material is handled, processed or stored. Wash hands after handling.

## Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

**Appearance (physical state, color, etc.):** Clear, water white to pale yellow liquid
**Odor:** Ethanol and KBR
**Odor Threshold:** No data available
**pH:** 7.66
**Melting / Freezing Point:** No data available
**Initial boiling point and range:** No data available
**Flashpoint:** 29°C (liquid portion)
**Evaporation Rate:** No data available
**Flammability (solid, gas):** No data available
**Upper/lower flammability or explosive limits:** No data available
**Vapor pressure:** No data available
**Vapor density:** No data available
**Relative density:** 0.945
**Solubility(ies):** Soluble in water
**Partition coefficient (n-octanol/water):** No data available
**Auto-ignition temperature:** No data available
**Decomposition temperature:** No data available
**Viscosity:** No data available
**Heat of Combustion:** 20.3 kJ/g

## Section 10 - STABILITY AND REACTIVITY

**Reactivity:** No dangerous reaction known under conditions of normal use.
**Chemical stability:** Stable under normal storage conditions.
**Possibility of hazardous reactions:** No dangerous reaction known under conditions of normal use.
**Conditions to avoid:** Heat. Incompatible materials.
**Incompatible materials:** None known.
**Hazardous decomposition products:** May include, and are not limited to oxides of carbon.

## Section 11 - TOXICOLOGICAL INFORMATION

**Information on the likely routes of exposure:** Inhalation, Ingestion and/or skin or eye contact

**Symptoms related to the physical, chemical and toxicological characteristics:**

Inhalation: May cause respiratory tract irritation.
Ingestion: May be harmful if swallowed. May cause stomach distress, nausea or vomiting.
Skin contact: May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin.
Eye contact: Causes eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.

**Acute Toxicity Values:**

| Calculated overall Chemical Acute Toxicity Values (ATE) | | |
|---|---|---|
| LD50 (Oral) | LD50 (Dermal) | LC50 (inhalation) |
| >5000 mg/kg | >5000 mg/kg | >2 mg/l |

**Eye Contact:** This product is an eye irritant.
**Skin Contact:** Based on available data, the classification criteria are not met.
**Sensitization:** Based on available data, the classification criteria are not met.

**Chronic Effects-Carcinogenicity:**

| Ingredient | Chemical Listed as a Carcinogen or Potential Carcinogen (NTP, IARC, OSHA) |
|---|---|
| None of the ingredients present in this product at or above 0.1% are listed as potential carcinogens on the NTP, IARC or OSHA lists. | |

**Reproductive Toxicity:** Based on available data, the classification criteria are not met.
**Germ Cell Mutagenicity:** Based on available data, the classification criteria are not met.
**STOT-single exposure:** Based on available data, the classification criteria are not met.
**STOT-repeated exposure:** Based on available data, the classification criteria are not met.
**Aspiration hazard:** Based on available data, the classification criteria are not met.

## Section 12 - ECOLOGICAL INFORMATION

| | |
|---|---|
| **Ecotoxicity:** | This product is not expected to be harmful to aquatic organisms. |
| **Persistence and degradability:** | No data available |
| **Bioaccumulative potential:** | No data available |
| **Mobility in soil:** | No data available |
| **Other adverse effects:** | No data available |

## Section 13 - DISPOSAL CONSIDERATIONS

Dispose of in accordance with all local, state,/provincial and federal regulations. For more information see product label.

## Section 14 - TRANSPORTATION INFORMATION

| | | |
|---|---|---|
| **DOT:** | UN Number: | UN1950 |
| | Proper Shipping Name: | Aerosols |
| | Hazard Class: | 2.1 |
| | Packing Group: | None |
| | Limited Quantity: | ≤1L |
| **IATA:** | UN Number: | UN1950 |
| | Proper Shipping Name: | Aerosols |
| | Hazard Class: | 2.1 |
| | Packing Group: | None |
| **IMDG:** | UN Number: | UN1950 |
| | Proper Shipping Name: | Aerosols |
| | Hazard Class: | 2.1 |
| | Packing Group: | None |
| | Limited Quantity: | ≤1L |

## Section 15 - REGULATORY INFORMATION

**US EPA Label Information:**

**EPA Pesticide Registration Number** 121-92-305

**Federal Insecticide, Fungicide, Rodenticide Act Regulations**

This chemical is a pesticide product registered by the Environmental Protection Agency and is subjected to certain labeling requirements under the 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:

**EPA Pesticide Label**

CAUTION: KEEP OUT OF REACH OF CHILDREN.

Hazards to Humans and Domestic Animals

**CAUTION**: Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Use of this product may cause skin reactions in rare cases.

**FIRST AID: If in 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. Call a Poison Control Center or doctor for treatment advice. Have the product container or label with you when calling a Poison Control Center or doctor, or going for treatment. Hotline Number: In case of an emergency, call 1-888-880-1181.

**PHYSICAL OR CHEMICAL HAZARDS: FLAMMABLE.** Contents under pressure. Keep away from heat, sparks and open flame. Do not puncture or incinerate container. Exposure to temperatures above 130ºF may cause bursting.

**STORAGE AND DISPOSAL:** Do not contaminate water, food or feed by storage or disposal. **Pesticide Storage:** Store the product in a cool, dry place, out of reach of children. **Container Disposal:** Do not puncture or incinerate! **If empty:** Offer for recycling, if available. **If partly filled:** Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

| | |
|---|---|
| **EPA TSCA Inventory:** | All of the components of this product are either on the Toxic Substances Control Act (TSCA) Inventory List or exempt. |
| **SARA Hazard Category (311/312):** | See OSHA hazards listed in section 2. |
| **Disclaimer:** | Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document. |

## Section 16 - OTHER INFORMATION

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|---|---|
| Issue date: | May 29, 2019 |
| Revision date: | February 20, 2026 |
| Version number: | 1.5 |