Conforms to Hazard Communication Standard 29 CFR 1910.1200

Section 1 - IDENTIFICATION

Product Identifier: **Repel Insect Repellent Gentle Defense**

Other Means of Identification:

Product Code	HG-94312; HG-94316
Formula Number	21-1890
EPA Reg. Number	121-95-305

Recommended Use: Insect Repellent - Aerosol

Recommended Restrictions: Use in accordance with label directions

Manufacturer/Importer/Supplier/Distributor Information:

Company Name	WPC Brands Inc.
Address	P.O. 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 Gases under pressure - Liquified gas
Health Hazard(s)	Eye Irritant - Category 2
Environmental Hazard(s)	Not Classified as an Environmental Hazard

Label Elements:

Hazard Pictogram(s)



Signal Word: Warning

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

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 50°C/122°F. Store in a well-ventilated place.

Wash hands thoroughly after handling. Wear eye protection.

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	35.0000
Isobutane	n/a	75-28-5	15.0000
Picaridin	n/a	119515-38-7	10.0000
Butane	n/a	106-97-8	1.5000

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: 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.

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 or 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 so 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 1 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: Wear eye protection.
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.): Opaque off-white to yellow liquid
Odor: Characteristic of ethanol and picaridin
Odor Threshold: No data available
pH: 8.9
Melting / Freezing Point: No data available
Initial boiling point and range: No data available
Flashpoint: No data available
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: 0.95
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: 19.85 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)
>2000 mg/kg	>2000 mg/kg	>5mg/l

Eye Contact: Eye Irritant - Category 2A

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.

Comment: All information was generated using the GHS classification criteria for mixtures and test data where available.

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
	Marine Pollutant:	No

Section 15 - REGULATORY INFORMATION

US EPA Label Information:

EPA Pesticide Registration Number: 121-95-305

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 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 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 130°F may cause bursting.

STORAGE AND 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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