Conforms to Hazard Communication Standard 29 CFR 1910.1200

Section 1 - IDENTIFICATION

Product Identifier: **Repel 100 Insect Repellent**

Other Means of Identification:

Product Code	HG-24108; HG-74098; HG-94098; HG-94108; HG-94163; HG-402000
Formula Number	01-4040
EPA Reg. Number	305-30

Recommended Use: Insect Repellent

Recommended Restrictions: Use in accordance with label directions

Manufacturer/Importer/Supplier/Distributer 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)	Not classified as a physical hazard
Health Hazard(s)	Acute Oral Toxicant - Category 4 Eye Irritant - Category 2B

Label Elements:

Hazard Pictogram(s)



Signal Word	WARNING
Hazard Statements:	Harmful if swallowed Causes eye irritation
Precautionary Statements:	Wash hands thoroughly after handling. Do not eat drink or smoke when using this product. If swallowed: Immediately call a poison center/doctor. Rinse mouth. 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 Classifies (HNOC): No additional information available

Supplemental Information: None

Section 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	Synonyms	CAS Number	%
N,N-Diethyl-m-toluamide (DEET)	n/a	134-62-3	98.11

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. Immediately get medical advice/attention or call a doctor/poison control center. Rinse mouth.

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: Water spray jet, alcohol-resistant foam, dry powder, carbon dioxide (CO2).

Unsuitable Extinguishing Media: None known.

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. Wear full fire fighting turn-out gear (full Bunker gear) and respirator protection (SCBA).

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:	Contain and/or absorb spill with inert material. Scoop up material and place in a disposable container. Then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate personal protective equipment (PPE).
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 after handling.
Conditions for Safe Storage, Including any Incompatibilities:	Keep out of reach of children. Keep container tightly closed. (See section 10).

Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters: None

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.):	Colorless to slightly yellow liquid
Odor:	Characteristic
Odor Threshold:	No data available
pH:	4.3
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:	0.992-0.999
Solubility(ies):	Miscible 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

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)
1892 mg/kg	3180 mg/kg	5.95 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.

Comment:

All information was generated using the GHS classification criteria for mixtures

Section 12 - ECOLOGICAL INFORMATION

Ecotoxicity:

Toxicity to fish:	LC50 (Pimephales promelas (fathead minnow)): 100 mg/L Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates:	LC50 (Daphnia magna (water flea)): approx. 75 mg/L Exposure time: 51 h Method: US-EPA Ecological Research Series 660/3-75009
Toxicity to algae:	LC50 (Selenastrum capricornutum (green algae)): approx. 43 mg/L Exposure time: 96 h; Method: OECD Test Guideline 201
Toxicity to microorganisms:	Activated sludge: >1000 mg/L End point: Bacteria toxicity (respiration inhibition) Exposure time: 3 h; Method: OECD Test Guideline 209

Persistence and degradability:

Biodegradability:	Test Type: aerobic; Biodegradation: 83.8%; Exposure time: 28 d Method: OECD Test Guideline 301B; Remarks: Readily biodegradable, according to appropriate OECD test.

Bioaccumulative potential:

Bioaccumulation:	Bioconcentration factor (BCF): 22 Remarks: No bioaccumulation is to be expected (log Pow ≤ 4)

Mobility in soil:

Distribution among environmental compartments:	Koc: 43.3 Method: OECD Test Guideline 121 Remarks: The substance will be preferentially distributed into the aqueous phase.

Other adverse effects:

Results of PBT and vPvB assessment:	The substance does not fulfill the criteria given in Annex XIII of Regulation (EC) 1907/2006 and is not identified as a PBT or vPvB substance.

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: Not Regulated
IATA: Not Regulated
IMDG: Not Regulated

Section 15 - REGULATORY INFORMATION

US EPA Label Information:

EPA Pesticide Registration Number 305-30

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

WARNING: KEEP OUT OF REACH OF CHILDREN.

Hazards to Humans and Domestic Animals

WARNING. Causes substantial but temporary eye injury. Do not get in eyes. Harmful if swallowed. Use of this product may cause skin reactions in rare cases. Wash hands before eating, drinking, chewing gum, using tobacco or using toilet.

First Aid: If swallowed: Call a Poison Control Center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a Poison Control Center or doctor. Do not give anything by mouth to an unconscious person. **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 eye. If you suspect a reaction to this product: Discontinue use. 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. Have the product label with you when calling a Poison Control Center or doctor, or going for treatment. For additional information in case of emergency call toll free 1-888-880-1181.

Note to Physician: Probable mucosal damage may contraindicate the use of gastric lavage.

STORAGE AND DISPOSAL

PESTICIDE STORAGE: Store this product in a cool, dry place that is inaccessible to children.

CONTAINER DISPOSAL: Do Not Puncture or Incinerate! If empty: Nonrefillable container. Do not reuse or refill this container. 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.
CERCLA Section 103:	This product does not contain any components with a CERCLA RQ.
SARA Hazard Category (311/312):	See OSHA hazards listed in section 2.
SARA 313:	Section 313 of title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.
California Safe Drinking Water and Toxic Enforcement Act (Proposition 65):	This product does not contain chemicals regulated under California Proposition 65.
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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