

MATERIAL SAFETY DATA SHEET

WPC BRANDS, INC.
1 Repel Road
P. O. Box 198
Jackson, WI 53037

EMERGENCY NUMBER: 1-800-255-3924
(24 HOURS)

INFORMATION NUMBER: 1-800-558-8614
(BUSINESS HOURS)

PRODUCT NAME: Classic Formula Repel Insect Block 40 (Aerosol)

EPA REG. NO.: 305-48

PRODUCT CODE: 338

DATE PREPARED: 02-29-00

HMIS: Health Hazard: 1

Fire Hazard: 3

Reactivity: 2

Personal Protective Equipment: A

PREPARED BY: Jean Kilgore

• HAZARDOUS INGREDIENTS/IDENTITY INFORMATION •

Material	CAS#	%	OSHA PEL	ACGIH TLV
N,N-Diethyl Toluamide	134-82-339.2	39.2	N/E	N/E
Ethyl Alcohol	84-17-5	<50.	1,000 ppm	1,000 ppm
n-butane	106-97-8	<15.0	800 ppm	800 ppm
Propane	74-98-8	<5	1000ppm	asphyxiant

*N/E = NOT ESTABLISHED

• HEALTH HAZARDS •

Acute Inhalation: Slight irritation to respiratory passages. Breathing of vapor may cause dizziness. Inhalation of higher concentrations may cause headaches, nausea, coma, and other central nervous system effects, including death.

Eye Contact: Eye irritant; may irritate or damage the eyes and cause corneal burns. Causes substantial but temporary eye injury.

Skin Contact: May cause skin irritation in rare cases. Do not apply over cuts, wounds or damaged skin.

Ingestion: Harmful if swallowed. Large amounts causes headaches, nausea, vomiting, stomach cramp, diarrhea and perhaps unconsciousness. Small amounts aspirated into respiratory system during ingestion or vomiting may cause mild to severe pulmonary injury, possibly progressing to death.

Primary Routes of Entry: Inhalation, skin contact and ingestion.

Systemic & Other Effects: May cause CNS disturbances. There have been a handful of isolated cases of adverse systemic effects associated with excessive exposure to DEET. Most of these have involved long term high dosage use of DEET on children.

Medical Conditions Aggravated by Exposure: Persons with pre-existing skin disorder, eye problem or impaired respiratory function may be more susceptible to the effects of this substance.

Chemicals Listed as Carcinogens or Potential Carcinogens (NTP, IARC or OSHA): None

COMMENTS: Unnecessary exposure to this product, or any chemical, should be avoided.

EMERGENCY FIRST AID PROCEDURES:

Inhalation: Remove to fresh air. If not breathing, give artificial respiration and seek medical attention immediately. Administer oxygen by trained personnel if difficulty in breathing.

Skin: Wash with soap and water. If irritation persists, seek medical attention.

Eyes: Hold eye lids open and flush with a steady stream of water for 15 minutes. If irritation persists, seek medical attention.

Oral: Contact Poison Control Center. If conscious, give several glasses of water to and induce vomiting by touching back of throat with finger. Keep head below hips to prevent aspiration of liquid into lungs. Do not induce vomiting or give anything by mouth to an unconscious person. Get medical attention.

• TOXICOLOGY INFORMATION •

The following toxicological studies have been completed per the US Environmental Protection Agency protocols.

STUDY	RESULT	EPA TOX CATEGORY
Acute Oral Toxicity*	LD ₅₀ between 1.0 and 5.0 g/kg	III
Acute Dermal Toxicity*	LD ₅₀ greater than 5000 mg/kg	IV
Acute Inhalation Toxicity*	LC ₅₀ greater than 2.04 mg/l	IV
Primary Eye Irritation	Moderate Eye Irritant	II
Primary Skin Irritation	Minimal Irritation	IV
Dermal Sensitization	Non a sensitizer	

*Completed on similar formulation.

• PHYSICAL/CHEMICAL CHARACTERISTICS •

BOILING POINT: Not determined

SPECIFIC GRAVITY: 0.87 (H₂O = 1)

VAPOR PRESSURE: Not determined

PERCENT VOLATILE BY VOLUME: Not determined

EVAPORATION RATE: Not determined

SOLUBILITY IN WATER: Partial

APPEARANCE AND ODOR: Clear faint amber concentrate with the odor of alcohol and DEET.

• REACTIVITY DATA •

STABILITY: Stable

INCOMPATIBILITY (Material to Avoid): Strong oxidizing agents, halogens and aldehydes. Strong acids and bases may cause hydrolysis. May soften or damage some synthetic fabrics such as Rayon, Acetate or Dynel clothing. May damage leather, plastics, painted and varnished surfaces.

HAZARDOUS POLYMERIZATION: W/N not occur.

HAZARDOUS DECOMPOSITION: Products of combustion are principally carbon dioxide, carbon monoxide and water.

CONDITIONS TO AVOID: Do not store above 130°F. Do not store near open flame, fire or sparks.

• FIRE AND EXPLOSION HAZARDS •

FLASH EXTENTION: 18°

AUTOIGNITION: Not determined.

FLAMMABILITY LIMITS IN AIR, % BY VOL.: Upper and lower, not established.

EXTINGUISHING MEDIA: Dry chemical or carbon dioxide. For large fires, use alcohol-type foam extinguisher.

UNUSUAL FIRE OR EXPLOSION HAZARDS: At elevated temperatures (over 54°C/130°F), containers may vent, rupture or burst.

SPECIAL FIRE FIGHTING PROCEDURES: Self-contained breathing apparatus and protective clothing should be worn when fighting fires involving chemicals. Use protective shielding to avoid exploding containers.

• SAFE HANDLING AND USE •

SPILL RESPONSE: Remove ignition sources. Use absorbent material to collect and contain for salvage or disposal. Avoid breathing vapors.

WASTE DISPOSAL AND PRECAUTIONS: Do not puncture or incinerate. Empty containers may be discarded in trash. Full or leaking containers should be taken to a local disposal company equipped to handle pressurized containers. Contact your Local, State, and Federal Regulations concerning health and pollution be reviewed to determine approval disposal procedures.

HANDLING AND STORING PRECAUTIONS: Do not spray in eyes. Avoid excess inhalation. Do not take internally. Store in a dry location at room temperature away from fire, flame or sparks.

OTHER PRECAUTIONS: Keep out of reach of children. Wash hands after handling material. Good practice requires that gross amounts of any chemical be removed from the skin as soon as practical, especially before eating or smoking.

• PROTECTION MEASURES •

RESPIRATORY PROTECTION: No respiratory protection needed when used in according to directions.

VENTILATION: Use only in a well ventilated area.

PROTECTIVE EQUIPMENT: Not required with normal use. Keep out of eyes.

SKIN: Do not expose treated skin to fire, sparks or flame until liquid has evaporated.

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COMMENTS: Wash with soap and water after use. Do not apply towards face. Do not puncture or incinerate.

• SPECIAL PRECAUTIONS •

HANDLING AND STORAGE: Do not store above 130°F. Do not store near open flames.

OTHER PRECAUTIONS: Read and follow directions on product label.

• TRANSPORT INFORMATION •

DOT (Department of Transportation) 49 CFR

Proper Shipping Name: Consumer Commodity

ID NO.: N/A

HAZARD CLASS: N/A

LABEL: N/A

Air transportation limited quantities: 30 kg (66 lbs.) gross

NOTE: This data represents typical values, not product specifications. No guarantee of accuracy or completeness is made. No responsibility is assumed for any kind of loss or damages arising from use of this data. The aforementioned effects are based on the evaluation of individual components and the relevancy to the product as a whole is unknown.

