

MATERIAL SAFETY DATA SHEET**WISCONSIN PHARMACAL COMPANY**

1 Pharmacal Way

P.O Box 198

Jackson, WI 53037

EMERGENCY NUMBER: 1-800-255-3924
(24 HOURS)**INFORMATION NUMBER:** 1-800-558-6614
(BUSINESS HOURS)**PRODUCT AND COMPANY IDENTIFICATION****PRODUCT NAME:** Coleman 25% Deet Aerosol**PRODUCT DESCRIPTION:** A personal insecticide repellent aerosol spray**PRODUCT CODE:** 751**EPA REG. NO. :** 1021-1600-79533**PREPARED BY:** John Nygaard**DATE PREPARED:** 3-3-09**COMMENTS:** For information regarding MEDICAL EMERGENCIES OR PESTICIDE INCIDENTS, call the INTERNATIONAL POISON CENTER 24 hours a day at 1-888-740-8712.**COMPOSITION / INFORMATION ON INGREDIENTS**

<u>Chemical Name</u>	<u>Wt.%</u>	<u>CAS#</u>	<u>EINECS#</u>
DEET (N, N Diethyl-m-toluamide)	25	000134-62-3	205-149-7
MGK®-264 (N-Octyl Bicycloheptene Dicarboximide)	5	0001113-48-4	204-029-1
MGK® Repellent 326 (di-n-Propyl Isocinchomeronate)	2.5	000136-45-8	205-245-9
Isopropyl Alcohol	30-40	000067-63-0	200-661-7
Liquefied Petroleum Gas	20-25	068476-85-7	270-703-7
Di-methyl Ketone	1-5	000067-64-1	200-662-2

COMMENTS: Ingredients not identified are proprietary or non-hazardous. Values are not product specifications.**HAZARDS IDENTIFICATION****EMERGENCY OVERVIEW****IMMEDIATE CONCERNS: WARNING.** - HIGHLY FLAMMABLE AEROSOL. Contents under pressure. DO NOT use or store near heat, sparks, open flame, or any other ignition sources. Do not expose to temperatures above 130°F (54.4°C) as bursting may occur.Causes substantial but temporary eye injury. Harmful if swallowed. DO NOT get in eyes.
Do not puncture or incinerate container. Follow the "Directions for use" on the label very carefully.**POTENTIAL HEALTH EFFECTS****EYES:** Causes substantial but temporary eye injury.**SKIN:** May cause skin reactions in rare cases**SKIN ABSORPTION:** No short term harmful effects expected.**INGESTION:** Harmful if swallowed.**INHALATION:** Excessive inhalation of mists can cause nasal and respiratory irritation.**CHRONIC:** None known.**COMMENTS:** This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

FIRST AID MEASURES

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. Call a poison control center or doctor for treatment advice.

SKIN: 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.

INGESTION: 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 a doctor. Never give anything by mouth to an unconscious person.

INHALATION: Remove affected person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

NOTES TO PHYSICIAN: None

FIRE FIGHTING MEASURES

FLAMMABLE CLASS: This aerosol is classified as FLAMMABLE by the Flame-Extension Test method described in 16 CFR 1500.45.

EXTINGUISHING MEDIA: Foam, carbon dioxide or dry chemical.

HAZARDOUS COMBUSTION PRODUCTS: Under fire conditions this product will support combustion and may decompose to give off toxic gases such as carbon monoxide, carbon dioxide, and nitrogen oxides.

EXPLOSION HAZARDS: Contents under pressure. Exposure to temperatures above 130°F / 54.4°C may cause bursting.

FIRE FIGHTING PROCEDURES: Treat as an oil fire. Use a full-faced self-contained breathing apparatus along with full protective gear. Keep nearby containers and equipment cool with a water stream.

SENSITIVITY TO IMPACT: Forceful impacts can cause damage to aerosol unit and may cause a bursting or explosion hazard.

ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Shut off ignition sources. Stop release, if possible without risk. Dike or contain release, if possible, and if immediate response can prevent further damage or danger. Isolate and control access to the release area. Take actions to reduce vapors. Absorb with appropriate absorbent. Clean spill area of residues and absorbent.

LARGE SPILL: Shut off ignition sources. Stop release, if possible without risk. Dike or contain release, if possible, and if immediate response can prevent further damage or danger. Isolate and control access to the release area. Take actions to reduce vapors. Collect product into drums, etc. via drains, pumps, etc. Absorb with appropriate absorbent. Clean spill area of residues and absorbent.

GENERAL PROCEDURES: Contaminated absorbent and wash water should be disposed of according to local state/provincial and federal/national regulations.

HANDLING AND STORAGE

GENERAL PROCEDURES: Do not use or store near heat, sparks, open flame, or any other ignition sources.

HANDLING: Contents under pressure - DO NOT puncture or incinerate container. Do not use or store near heat,

sparks, open flame, or any other ignition sources. Take prudent precautions to avoid contact with skin, eyes, and clothing. Avoid breathing vapors or spray mists of this product. Mechanical ventilation should be used when handling this product in enclosed spaces. Wearing a respirator is not normally required when handling this product, but recommended in the absence of proper mechanical ventilation. Read and observe all precautions and instructions on the label.

STORAGE: Store in a cool, dry, well-ventilated, preferably locked storage area. Exposure to temperatures above 130°F / 54.4°C may cause bursting. Store containers upright and closed. Keep away from heat, ignition sources, and strong oxidizers. Emptied containers may retain product residues.

KEEP OUT OF REACH OF CHILDREN

EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES:

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)

<u>Chemical Name</u>		<u>EXPOSURE LIMITS</u>					
		<u>OSHA PEL</u>		<u>ACGIH TLV</u>		<u>Supplier OEL</u>	
		<u>ppm</u>	<u>mg/m³</u>	<u>ppm</u>	<u>mg/m³</u>	<u>ppm</u>	<u>mg/m³</u>
DEET (N,N Diethyl-m-toluamide)	TWA	None		None		None	
MGK®-264 (N-Octyl Bicycloheptene Dicarboximide)	TWA	None		None		None	
MGK® Repellent 326 (Di-n-Propyl Isocinchomeronate)	TWA	None		None		None	
Isopropyl Alcohol	TWA	400	980	400	983		
	STEL			500	1230		
Liquefied Petroleum Gas	TWA	1000	1800	1000	1800		
Di-methyl Ketone	TWA	1000	2400	500	1188		
	STEL			750	1782		

ENGINEERING CONTROLS: Mechanical ventilation should be used when handling this product in enclosed spaces. Local exhaust ventilation may be necessary.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Take prudent precautions to avoid contact with eyes.

SKIN: Take prudent precautions to avoid contact with skin and clothing.

RESPIRATORY: Wearing a respirator is not normally required when handling this product. Use in well ventilated areas. Take prudent precautions to avoid breathing vapors and/ or spray mists of this product.

WORK HYGIENIC PRACTICES: DO NOT SMOKE, EAT, OR DRINK, OR APPLY COSMETICS IN WORK AREA!

Wash promptly if skin becomes contaminated. Wash at the end of each work shift and before eating, smoking, or using the toilet.

PHYSICAL AND CHEMICAL PROPERTIES

- PHYSICAL STATE:** Liquefied gases and liquid.
- ODOR:** Odor of Isopropanol and Diethyltoluamide.
- COLOR:** 1.0 on Gardner Scale.
- pH:** Not Available
- VAPOR PRESSURE:** Not Available
- VAPOR DENSITY:** Heavier than air.
- BOILING POINT:** Not Available
- FREEZING POINT:** Not Available
- MELTING POINT:** Not Available

SOLUBILITY IN WATER: Immiscible in water
EVAPORATION RATE: Not Available
SPECIFIC GRAVITY: 0.889 (Water = 1) at 20°C (68°F)
VISCOSITY: 10.3CPS at 23°C (73.4°F) Brookfield on Non-Volatiles
(VOC): <64 %

COMMENTS:

WATER SOLUBILITY: Water Solubility analysis is for the aerosol contents less the compressed gas propellant (i.e., Non-Volatiles).

SPECIFIC GRAVITY: Specific Gravity is for the aerosol contents less the compressed gas propellant (i.e., Non-Volatiles).

STABILITY AND REACTIVITY

STABLE: YES

HAZARDOUS POLYMERIZATION: NO

CONDITIONS TO AVOID: Not compatible with strong acids or bases. Not compatible with strong oxidizers.

TOXICOLOGICAL INFORMATION**ACUTE**

DERMAL LD₅₀: >2.0 gm/kg
Albino rabbit.

ORAL LD₅₀: 3.87 gm/kg
Albino rat.

INHALATION LC₅₀: >7.82 mg / L
Rats exposed for 4 hours to test atmosphere.

EYE EFFECTS: Irritation clearing by Day 15.

SKIN EFFECTS: No irritation at 72 hours. Irritation Index = 0.17

SENSITIZATION: Negative; Not considered to be a dermal sensitizer to albino guinea pigs.

GENERAL COMMENTS: Some or all of the toxicity data reported above was bridged from a substantially similar formula.

COMMENTS: None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as being carcinogens.

ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: Environmental data not available for this product.

ECOTOXICOLOGICAL INFORMATION: This product is toxic to fish, birds, and other wildlife. Do not apply directly to water. Do not contaminate water when disposing of equipment washwaters. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters, unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product into sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

DISPOSAL CONSIDERATIONS**DISPOSAL METHOD:**

IF EMPTY: Place in trash or offer for recycling if available.

IF PARTLY FILLED: Call your local solid waste agency or 1-800-CLEAN-UP for disposal instructions.

PRODUCT DISPOSAL: Do not puncture or incinerate!

RCRA/EPA WASTE INFORMATION: None of the ingredients in this product appear on the RCRA lists (40 CFR 261.24, 40CFR 251.33) or CERCLA Hazardous Substance list (40 CFR Part 302 Table 302.4)

TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Consumer Commodity
PRIMARY HAZARD CLASS/DIVISION: ORM-D
UN/NA NUMBER: UN8000

AIR (ICAO/IATA)

PROPER SHIPPING NAME: Consumer Commodity
PRIMARY HAZARD CLASS/DIVISION: 9
UN/NA NUMBER: UN8000

VESSEL (IMO/IMDG)

PROPER SHIPPING NAME: Consumer Commodity
PRIMARY HAZARD CLASS/DIVISION: 9
UN/NA NUMBER: UN8000

REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HAZARD CATEGORIES:

FIRE: YES PRESSURE GENERATING: YES REACTIVITY: NO ACUTE: YES

313 REPORTABLE INGREDIENTS:

COMPONENT, CAS#, Max %

Di-n-propyl isocinchomeronate, 000136-45-8, 2.50

Isopropyl Alcohol, 000067-63-0, 37.50

302/304 EMERGENCY PLANNING

EMERGENCY PLAN: There are no SARA Title III Section 302 extremely hazardous substances present in this formulation (40 CFR 355).

There are no components that are subject to emergency requirements under CERCLA Section 103(a)(40 CFR 302.4) in this formulation.

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA STATUS: All chemical substances found in this product comply with the Toxic Substances Control Act's inventory reporting requirements.

STATE REGULATIONS

VOLATILE ORGANIC COMPOUNDS (VOC):

This product contains less than 64% VOC's.

OTHER INFORMATION

HMIS RATING

HEALTH:	1
FLAMMABILITY:	4
PHYSICAL HAZARD:	1
PERSONAL PROTECTION:	

HMIS RATINGS NOTES: We assign HMIS ratings to this product based on the hazards of its ingredients(s). Since the customer is most aware of the applications and conditions of use, he or she must ensure that the proper Personal Protective Equipment is provided, consistent with the information contained in this MSDS.

COMMENTS: The data contained herein are based on information currently available to Wisconsin Pharmacal Company LLC and, to the best of our knowledge, are accurate and based on sound expert opinion. Our statements herein, however, are not to be taken as a warranty or representation for which Wisconsin Pharmacal Company LLC assumes legal responsibility.