



MATERIAL SAFETY DATA SHEET

BAYER HEALTHCARE LLC

Consumer Care
36 Columbia Road
Morristown, NJ 07962-1910

TRANSPORTATION EMERGENCY

CALL CHEMTREC..... : (800) 424-9300
INTERNATIONAL : (703) 527-3887

NON-TRANSPORTATION

BAYER EMERGENCY PHONE : (800) 331-4536
BAYER INFORMATION PHONE: (800) 331-4536
or (800) 743-5423

Section 1: Product and Company Identification

Product Name: RID Home Lice Control Spray
Material Number: 148345
EPA Registration Number: 73049-301-73470
Chemical Family: Household Insecticide

Section 2: Composition/Information on Ingredients

HAZARDOUS INGREDIENTS

<u>Ingredient Name/ CAS Number</u>	<u>Exposure Limits</u>	<u>Concentration</u>	
		<u>Min.</u>	<u>Max.</u>
Isobutane 75-28-5	OSHA (PEL): Not Established ACGIH (TLV): 1,000.00 ppm TWA	20%	
Propane 74-98-6	OSHA (PEL): 1,000.00 ppm TWA 1,800.00 mg/m3 TWA ACGIH (TLV): 2,500.00 ppm TWA 4,508.00 mg/m3 TWA	5%	
Petroleum 8002-05-9	OSHA (PEL): 500.00 ppm TWA 2,000.00 mg/m3 TWA ACGIH (TLV): Not Established	1%	

Permethrin
52645-53-1

OSHA (PEL):
Not Established
ACGIH (TLV):
Not Established

0.1%

1%

Section 3: Hazards Identification

EMERGENCY OVERVIEW

WARNING! Flammable. **Color:** White to yellow **Form:** Liquid Spray: cream-like emulsion, viscous **Odor:** Mild, mothball like
Inhalation may cause nausea or dizziness. May cause skin irritation. May cause eye irritation. May be harmful if swallowed. Closed container may explode under extreme heat.

POTENTIAL HEALTH EFFECTS

Route(s) of Entry: Accidental:, Skin Absorption, Eye Contact, Ingestion, Inhalation

HUMAN EFFECTS AND SYMPTOMS OF OVEREXPOSURE

Inhalation Hazards

Acute Inhalation Hazards: If can is punctured and propellants are released, breathing high concentrations may cause an anesthetic effect with symptoms of headache, restlessness, nausea and dizziness.

Skin Hazards

Acute Skin Hazards: May cause irritation with symptoms of reddening and itching. Essentially non-toxic by skin absorption.

Eye Hazards

Acute Eye Hazards: May cause irritation with symptoms of reddening, tearing and stinging.

Ingestion Hazards

Acute Ingestion Hazards: Expected to be harmful. Symptoms of ingestion may include abdominal pain, nausea, vomiting, and diarrhea.

General Effects of Exposure

Chronic Effects of Exposure: None known.

Carcinogenic Components:

NTP: None

IARC: None

OSHA: None

**Medical Conditions
Aggravated by Exposure:** Allergic to ragweed

**Human Health Effects
Postnote:** Use only as directed. See product packaging for further information concerning adverse effects and drug interaction precautions. This

product is not for use on humans.

Section 4: First Aid Measures

First Aid for Eye:	In case of contact, flush with copious amounts of water for at least 15 minutes. Get medical attention if irritation develops or persists.
First Aid for Skin:	In case of skin contact, wash affected areas with soap and water. Contact a physician if irritation develops.
First Aid for Inhalation:	If inhaled, remove to fresh air. If not breathing, give artificial respiration. Get medical attention.
First Aid for Ingestion:	In case of overdose, contact your regional poison control center or physician immediately. Contact U.S. Poison Control Center at 1-800-222-1222.

Section 5: Fire Fighting Measures

Flash Point:	79 °F (26.1 °C)
<u>Flammable Limits:</u>	
Upper Explosion Limit (UEL %):	Not Established
Lower Explosion Limit (LEL %):	Not Established
Auto-ignition Temperature:	Not Established
<u>Extinguishing Media:</u>	
Suitable:	Water, Foam, Dry Chemical, Carbon Dioxide
Special Fire Fighting Procedures:	Firefighters should be equipped with self-contained breathing apparatus to protect against potentially toxic and irritating fumes.
Unusual Fire/Explosion Hazards:	Contents under pressure. Do not use or store near heat or open flame. Do not puncture or incinerate container. Exposure to temperatures greater than 130°F may cause container to burst.

Section 6: Accidental Release Measures

Spill or Leak Procedures:	Absorb material and place in appropriate containers for disposal. Spilled material may make surfaces slippery. Wash spill area with soap and water.
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Section 7: Handling and Storage

Storage Temperature:	
Minimum:	32 °F (0 °C)
Maximum:	130 °F (54 °C)
Shelf Life:	Not Established
Special Sensitivity:	Protect from freezing. Store in a cool dry place. Do not expose to direct sunlight.
Handling/Storage Precautions:	Keep out of reach of children. Wash thoroughly after handling. Avoid contact with eyes and skin. Keep away from heat, sparks and open flames. Reseal containers immediately after use. Store in an area designated specifically for pesticides.

Section 8: Exposure Controls/Personal Protection

Personal Protection Equipment

Eye Protection Requirements:	Chemical safety goggles or glasses.
Skin Protection Requirements:	Gloves, long sleeved shirts and pants., Wash hands and face before eating, drinking, or using tobacco products.
Ventilation Requirements:	Under normal conditions of use, special ventilation is not required.
Respirator Requirements:	Under normal conditions of use, respiratory protection is not required.
Work Practices:	Use good personal hygiene - wash hands and exposed skin thoroughly with soap and water after each use.
Additional Protective Measures:	Employers shall provide handwashing facilities which are readily accessible to employees. Educate and train employees in the safe use and handling of this product.

Section 9: Physical and Chemical Properties

Physical Form:	Liquid
Appearance:	Spray: cream-like emulsion, viscous
Color:	White to yellow
Odor:	Mild, mothball like
pH:	7
Boiling Point:	100 °C
Melting/Freezing Point:	Not Established
Solubility in Water:	Soluble
Specific Gravity:	0.792 @ 68 °F (20 °C)
Bulk Density:	Not Established
Percent Volatile by Weight:	39
Vapor Pressure:	Not Established

Section 10: Stability and Reactivity

Stability:	Stable
Hazardous Polymerization:	Will not occur
Substances to Avoid:	See product packaging for drug interaction.
Conditions to Avoid:	None known.
Decomposition Products:	None known.

Section 11: Toxicological Information

Toxicity Data for RID Home Lice Control Spray

Acute oral toxicity:	LD50 = > 5,000 mg/kg (Rat)
Acute dermal toxicity:	LD50 = > 2,000 mg/kg
Acute inhalation toxicity:	LC50 = > 4.84 mg/L, 4 hrs, LC50 = 19.36 mg/L, 1 hrs,
Eye Irritation:	Slightly irritating (Rabbit)
Skin Irritation:	Slightly irritating (Rabbit)
Sensitization:	Non-sensitizer (Guinea pig)
Carcinogenicity:	Female mice receiving 375 and 750 mg/kg/day in their diets for 85 weeks showed a statistically significant increase in the incidence of lung and liver tumors.

Section 12: Ecological Information

Ecological Data for RID Home Lice Control Spray

Fish Toxicity:	This material is toxic to fish.
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Section 13: Disposal Considerations

Waste Disposal Method:	Waste disposal should be in accordance with existing federal, state and local environmental control laws. Do not incinerate or puncture container.
Empty Container Precautions:	Wrap container in several layers of newspaper before disposal.

Section 14: Transportation Information

Technical shipping name: Insecticide containing isobutane and propane

Domestic Surface Transportation (DOT)

Hazard Class or Division: ORM-D

Marine Transportation (IMO / IMDG)

Proper Shipping Name: Aerosols

Hazard Class Division 2.1

Number:

UN Number: 1950

Additional IMO Information: Ltd. Qty.

Air Transportation (ICAO / IATA)

Proper Shipping Name: Consumer Commodity

Hazard Class Division 9

Number:

UN Number: ID8000

Hazard Label(s): Miscellaneous

Radioactive?: Non-Radioactive

Passenger Air - Max. Qty.: 25 kg

Passenger Packing Instruction: 910

Cargo Air - Max. Qty.: 25 kg

Cargo Air Packing 910

Instruction:

Section 15: Regulatory Information

United States Federal Regulations

OSHA Hazcom Standard Hazardous

Rating:

TSCA Inventory List: This product is excluded from TSCA Regulation under FIFRA Section 3 (2)(B)(ii) when used as a pesticide.

FIFRA Status: This product is registered with the EPA under FIFRA.

EPA Registration Number: 73049-301-73470

CERCLA Hazardous Substance:

Component(s)

None

Reportable Quantity

SARA Title III

SARA Section 302 Extremely Hazardous Substances:

Component(s)/

CAS Number

None

Concentration

Min.

Max.

SARA Section 311/312 Hazard Categories: Fire Hazard, Immediate Health Hazard

SARA Section 313 Toxic Chemicals:

Component(s)/
CAS Number
 None

Reporting
Threshold

Concentration
Min. Max.

RCRA Status:

When discarded in its purchased form, this product meets the criteria of ignitability, and should be managed as a hazardous waste (EPA Hazardous Waste Number D001). (40 CFR 261.20-24), Under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product, should be classified as a hazardous waste. (40 CFR 261.20-24)

The following chemicals are specifically listed by individual states; other product specific health and safety data in other sections of the MSDS may also be applicable for state requirements. For details on your regulatory requirements you should contact the appropriate agency in your state.

State Right-to-Know Information

Component(s)/
CAS Number

State Code
Min. Max.

Water	PA-N, NJ-N	1%	
7732-18-5			
Isobutane	PA-H, NJ-H, NJ-E, MA-	20%	
75-28-5	H		
Petroleum	PA-H, NJ-H, MA-H	1%	
8002-05-9			
Propane	PA-H, NJ-H, NJ-E, MA-	5%	
74-98-6	H		

The following component(s) are listed under New Jersey Special Hazards:

Isobutane	NJ-S	1%	
75-28-5			
Propane	NJ-S	3%	7%
74-98-6			

State Code Translation Table

PA-N = Pennsylvania Non-hazardous
 PA-H = Pennsylvania Hazardous Substance List
 NJ-N = New Jersey Other - includes predominant ingredients
 NJ-H = New Jersey Hazardous Substance List
 NJ-E = New Jersey Environmental Hazardous Substance List
 NJ-S = New Jersey Special Health Hazardous Substance List
 MA-H = Massachusetts Hazardous Substance List

Section 16: Other Information**NFPA 704M Rating**

Health	1
Flammability	3
Reactivity	0
Other	

0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme

HMIS Rating

Health		1
Flammability		3
Reactivity		0

0=Minimal 1=Slight 2=Moderate 3=Serious 4=Severe

*=Chronic Health Hazard

BAYER HEALTHCARE LLC's method of hazard communication is comprised of Product Labels and Material Safety Data Sheets. HMIS and NFPA ratings are provided by BAYER HEALTHCARE LLC as a customer service.

Contact: Phil Cornejo
Phone: 717-866-3855
MSDS Number: 000000002251
Version Date: 11/13/2008
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