



# MATERIAL SAFETY DATA SHEET

**BAYER HEALTHCARE LLC**  
Consumer Care  
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**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	<b>OSHA (PEL):</b> Not Established <b>ACGIH (TLV):</b> 1,000.00 ppm TWA	20%	
Propane 74-98-6	<b>OSHA (PEL):</b> 1,000.00 ppm TWA 1,800.00 mg/m3 TWA <b>ACGIH (TLV):</b> 2,500.00 ppm TWA 4,508.00 mg/m3 TWA	5%	
Petroleum 8002-05-9	<b>OSHA (PEL):</b> 500.00 ppm TWA 2,000.00 mg/m3 TWA <b>ACGIH (TLV):</b> 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

<b>First Aid for Eye:</b>	In case of contact, flush with copious amounts of water for at least 15 minutes. Get medical attention if irritation develops or persists.
<b>First Aid for Skin:</b>	In case of skin contact, wash affected areas with soap and water. Contact a physician if irritation develops.
<b>First Aid for Inhalation:</b>	If inhaled, remove to fresh air. If not breathing, give artificial respiration. Get medical attention.
<b>First Aid for Ingestion:</b>	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

<b>Flash Point:</b>	79 °F (26.1 °C)
<b>Flammable Limits:</b>	
<b>Upper Explosion Limit (UEL %):</b>	Not Established
<b>Lower Explosion Limit (LEL %):</b>	Not Established
<b>Auto-ignition Temperature:</b>	Not Established
<b>Extinguishing Media:</b>	
<b>Suitable:</b>	Water, Foam, Dry Chemical, Carbon Dioxide
<b>Special Fire Fighting Procedures:</b>	Firefighters should be equipped with self-contained breathing apparatus to protect against potentially toxic and irritating fumes.
<b>Unusual Fire/Explosion Hazards:</b>	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

<b>Spill or Leak Procedures:</b>	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

<b>Storage Temperature:</b>	
<b>Minimum:</b>	32 °F (0 °C)
<b>Maximum:</b>	130 °F (54 °C)
<b>Shelf Life:</b>	Not Established
<b>Special Sensitivity:</b>	Protect from freezing. Store in a cool dry place. Do not expose to direct sunlight.
<b>Handling/Storage Precautions:</b>	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

<b>Eye Protection Requirements:</b>	Chemical safety goggles or glasses.
<b>Skin Protection Requirements:</b>	Gloves, long sleeved shirts and pants., Wash hands and face before eating, drinking, or using tobacco products.
<b>Ventilation Requirements:</b>	Under normal conditions of use, special ventilation is not required.
<b>Respirator Requirements:</b>	Under normal conditions of use, respiratory protection is not required.
<b>Work Practices:</b>	Use good personal hygiene - wash hands and exposed skin thoroughly with soap and water after each use.
<b>Additional Protective Measures:</b>	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

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

## Section 10: Stability and Reactivity

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

## Section 11: Toxicological Information

### Toxicity Data for RID Home Lice Control Spray

<b>Acute oral toxicity:</b>	LD50 = > 5,000 mg/kg (Rat)
<b>Acute dermal toxicity:</b>	LD50 = > 2,000 mg/kg
<b>Acute inhalation toxicity:</b>	LC50 = > 4.84 mg/L, 4 hrs, LC50 = 19.36 mg/L, 1 hrs,
<b>Eye Irritation:</b>	Slightly irritating (Rabbit)
<b>Skin Irritation:</b>	Slightly irritating (Rabbit)
<b>Sensitization:</b>	Non-sensitizer (Guinea pig)
<b>Carcinogenicity:</b>	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

<b>Fish Toxicity:</b>	This material is toxic to fish.
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## Section 13: Disposal Considerations

<b>Waste Disposal Method:</b>	Waste disposal should be in accordance with existing federal, state and local environmental control laws. Do not incinerate or puncture container.
<b>Empty Container Precautions:</b>	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** Fire Hazard, Immediate Health Hazard  
**Categories:**

**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**

<u>Component(s)/</u> <u>CAS Number</u>	<u>State Code</u>	<u>Concentration</u>	
		<u>Min.</u>	<u>Max.</u>
Water 7732-18-5	PA-N, NJ-N	1%	
Isobutane 75-28-5	PA-H, NJ-H, NJ-E, MA-H	20%	
Petroleum 8002-05-9	PA-H, NJ-H, MA-H	1%	
Propane 74-98-6	PA-H, NJ-H, NJ-E, MA-H	5%	

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

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

**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**

<b>Health</b>	1
<b>Flammability</b>	3
<b>Reactivity</b>	0
<b>Other</b>	

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

**HMIS Rating**

<b>Health</b>		1
<b>Flammability</b>		3
<b>Reactivity</b>		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  
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