

Cardinal  
Health Inc.

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#135 Cust

**HOGIL PHARMACEUTICAL CORPORATION**

237 Mamaroneck Ave

Suite 303

White Plains, NY 10605

Leader Lice Control

Spray

**MATERIAL SAFETY DATA SHEET**

**SECTION I: PRODUCT IDENTIFICATION**

DISTRIBUTOR'S NAME: Hogil Pharmaceutical Corporation  
MANUFACTURER'S NAME: Diversified Brands, Solon, OH 44139  
EMERGENCY PHONE NUMBER: 216-566-2917  
TRADE NAME: A-200 Lice Control Spray, EPA Reg. No. 1090 86-63769  
PRODUCT CLASS: Aerosol Pesticide  
PRODUCT CLASS: March 2003

**SECTION II HAZARDOUS INGREDIENTS**

Propane (CAS Number 74-98-6) 6% OSHA PEL: 1,000ppm V. P.: 760.00  
2-Methylpropane (CAS Number 75-28-5) 24% OSHA PEL/ACGIH TLV: N/E V. P.: 760.00  
Odorless Mineral Spirits (CAS Number 64742-47-8) 6% OSHA PEL/ACGIH TLV: 100ppm V. P.: 1.00  
See Label for Active Ingredients  
N/E = Not Established

**SECTION III PHYSICAL DATA**

Product Weight: 6.58 Pounds/gallon  
Specific Gravity: 0.79 gm/ml  
Boiling Point: < 0 (-412°F)  
Volatile Volume: 100%  
Volatile Weight: 35.6% (less Federally Exempt Solvents)  
HMHS: 2 3 0  
Evaporation Rate: Faster than Ether  
Vapor Density: Heavier than Air  
Melting Point: Not Applicable  
Solubility in Water: Not Applicable

**SECTION IV: FIRE AND EXPLOSION HAZARD DATA**

Flash Point: 24°F (TCC) Flammable Limits: LEL = 1.0 UEL = 9.5  
Fire Extinguishing Media: Carbon dioxide, dry chemical, alcohol foam  
Unusual Fire and Explosion Hazards: Closed containers may explode, due to build-up of Pressure, when exposed to extreme heat.  
Special Fire Fighting Procedures: Full protective equipment including self-contained breathing apparatus should be used. Water spray may ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible auto ignition or explosion when exposed to extreme heat.

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## SECTION V: HEALTH HAZARD DATA

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**Routes of Exposure:** Exposure may be *Inhalation and/or Skin or Eye contact*, depending upon conditions of use. To minimize exposure, follow recommendations for proper use. Ventilation and personal protective equipment.

**Acute Health Hazards: Effects of Overexposure:** Irritation of eyes, skin and respiratory system. May cause nervous system depression. **Routes of Exposure:** Exposure may be by *Inhalation and/or Skin or Eye contact*, depression. Extreme overexposure may result in unconsciousness and possible death.

**Signs and Symptoms of Overexposure:** Headache, dizziness, nausea and loss coordination are indications of excessive exposure to vapors or spray mists. Redness and itching or burning sensation may indicate eye or excessive skin exposure.

**Medical Conditions Aggravated by Exposure:** None generally recognized.

**Emergency and First Aid Procedures: If Inhaled:** Remove affected person to fresh air. Apply artificial respiration if indicated.

**If on Skin:** Wash affected area thoroughly with soap and water.

Remove contaminated clothing and launder before reuse. Get medical attention if irritation persists.

**If in Eyes:** Flush eyes with large amounts of water for 15 minutes.

Consult a physician if irritation persists.

**If Swallowed:** Get medical attention

**Chronic Health Hazards:** No ingredient in this product in an IARC, NTP or OSHA listed carcinogen. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

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## SECTION VI: REACTIVITY DATA

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Stability:	Stable
Conditions to Avoid	None Known
Incompatibility	None Known
Hazardous Decomposition Products:	By Fire: Carbon dioxide monoxide
Hazardous Polymerization	Will not occur

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## SECTION VII: SPILL OR LEAK PROCEDURES

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Steps to be taken in case material is released or spilled. Remove all sources of ignition and remove with inert absorbent.

**Waste Disposal Method:** Water from this product may be hazardous as defined under the Resources Conservation and Recovery Act (RCRA), 40 CFR Part 261. Waste must be tested for ignitability to determine the applicable EPA hazardous waste numbers. Do not puncture or incinerate. Replace cap, wrap container and put in trash collection.

For industrial customers, dispose of in accordance with Federal, State and local regulations regarding pollution.

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## SECTION VIII: PROTECTION INFORMATION

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**Precautions to Be Taken in Use:** Use only with adequate ventilation. Avoid vapor and spray mist. Avoid contact with skin and eyes. Wash hands after using. Vacate room after treatment and ventilate before reoccupying. Avoid contamination of feed and foodstuffs. Cover or remove fish bowls. **This product is not for use on humans.** If lice infestations should occur on humans, consult either your physician or pharmacist for use on humans. **Animals:** Do not spray directly in/on eyes, mouth or genitalia. Do not cause exposure to puppies less than four weeks old.

**Ventilation:** Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section II is maintained below applicable exposure limits. Refer to OSHA Standards 1910.94, 1910.107 and 1910.108.

**Respiratory Protection:** If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Section II.

**Protective Gloves:** None required for normal application of aerosol products where minimal skin contact is expected. For long or repeated contact, wear chemical resistant gloves.

**Eye Protection:** Wear safety spectacles with imperforated side shields.

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## SECTION IX: PRECAUTIONS

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**DOL Storage Category:** 1A

NFPA Code: 30B Level 1

Aerosols

**Precautions to be Taken in Handling and Storing:** Store in a cool, dry place away from heat, sparks and open flames.

**Consult NFPA Code.** Use approved Bonding and Grounding procedures. Contents under pressure. Do not puncture, incinerate or expose to temperatures above 130<sup>0</sup> F Heat from sunlight, radiators, stoves, hot water and other heat sources could cause container to burst. Do not take internally. Keep out of the reach of children.

**Other Precautions:** Do not use in the edible product areas of food/feed processing plants, restaurants or other areas where food/feed is commercially prepared or served. Do not use in serving areas while food is exposed. Do not use this product in or on electrical equipment due to the possibility of shock hazard. Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal. *It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.*

