demize™

NYLAR® IGR

• Demize Nylar® IGR prevents the flea and certain listed cockroaches from developing into egg laying adults.
• Inhibits reinfestation by fleas for up to 210 days.
• One treatment stops listed cockroaches from generating reproductive offspring for 180 days.

ACTIVE INGREDIENTS:
2-(1-Methyl-2-(4 phenoxyphenoxy)
ethoxyl pyridine 1.30%
INERT INGREDIENTS 98.70%

Nylar® registered trademark of McLaughlin Gormley King

KEEP OUT OF REACH OF CHILDREN - CAUTION

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION: Harmful if swallowed or absorbed through the skin. Do not breathe vapors or spray mist. Avoid contact with skin or eyes. In case of contact, flush with plenty of water. Wash with soap and warm water after use. Obtain medical attention if irritation persists. Avoid contamination of food or food stuffs.

FIRST AID IF IN EYES	IF SWALLOWED	IF ON SKIN OR ON CLOTHING
• 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.	• 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 the poison control center or doctor. • Do not give anyting by mouth to an unconcious person.	• 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.

PHYSICAL AND CHEMICAL HAZARDS
Do not use or store near heat or open flame.
For use in indoor areas such as: Animal Quarters (enclosed premise treatment), Apartments, Atriums, Attics, Basements, Bathrooms, Bedrooms, Cabinets, Cabins, Campers, Carpets, Cat Living (Sleeping) Quarters (enclosed premise treatment), Chests, Closed Porches, Closets, Clothes Storage, Commercial Buildings, Condominiums, Crawl Spaces, Crematoriums, Day Care Centers, Decks, Dens, Dog Houses, Dog Living (Sleeping) Quarters, Dog Kennel Runs, Dormitories, Draperies, Dressers, Fabric Storage Areas. Factories, Floors, Funrlors, Furniture, Garages, Garbage Areas, Garbage Cans, Gazebos, Homes, Hospitals, Hotels, Industrial Plants, Institutions, Jails, Kennels, Lanais, Living Rooms, Locker Rooms, Mausoleums, Mobile Homes, Morgues, Mortuaries, Motels, Nursing Homes, Office Buildings, Other Public Buildings, Pantry, Patios, Pet Bedding, Pet Carriers, Pet Grooming Parlors, Pet Sleeping Areas, Pet Stores, Pet Quarters (enclosed premise treatment), Play Houses, Play Rooms, Porches, Prisons, Recreational Areas Indoors, Recreation Vehicles, Rooms, Rugs, Schools, Shutters, Side Yards, Solariums, Storage Areas, Sun Porches, Sun Rooms, Theaters, Town House, Trailers, Trains, Tree Houses, Upholstered Furniture, Utility Room Indoor, Utility Room Outdoor, Verandas, Veterinaries, Warehouses, and Washrooms.

DIRECTIONS FOR USE
It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. READ ALL DIRECTIONS COMPLETELY BEFORE USE. For best results, follow directions for specific areas. Do not use this product in or on electrical equipment due to the possibility of shock hazard. Avoid excessive wetting of carpet, draperies and furniture. Always test in an inconspicuous area prior to use as some natural and synthetic fibers may be adversely affected by any liquid product.

FLEA CONTROL: The active ingredient in this concentrate is an insect growth regulator. Nylar® IGR is similar to insect growth hormones that occur naturally in insects and acts on the immature life stages of the flea, preventing the adult flea from developing. Flea eggs deposited on treated areas will not develop into adult fleas. Flea larvae crawling onto treated surfaces will also not develop into adult fleas. The unique properties of Nylar® IGR eliminates the flea population, when used as directed. Nylar® IGR causes a gradual reduction and ultimate elimination of the flea population by breaking the reproductive cycle. Nylar® IGR terminates the flea life cycle and stops the development of the immature stages of the flea for 210 days preventing them from reaching the biting adult stage. Existing adult fleas and flea pupae are not affected. If a high population of adult fleas are present, the use of an adulticide may be necessary for immediate control. This concentrate may also be combined with a flea adultcide, such as Demize E.C. or Conquer.® Nylar® IGR compliments the rapid activity of the adulticide by providing long term control of preadult fleas before they grow up to be biting adults.

Flea control on pets is important in the prevention of the introduction of adult fleas. Pets, their bedding and the areas they frequent should also be treated with EPA registered flea and tick control products, flea or flea and tick collar, pet powder, pet spray, pet dip, flea & tick pet shampoo, pet shampoo, as part of a complete flea control program in conjunction with this application to minimize the introduction of adult fleas.

Nylar® IGR can be used prior to the flea season. Application of this product in areas where pets and other animals are known to frequent and where previous infestations have been known to occur, will prevent the emergence of adult fleas and also control stages of fleas that don't resemble fleas. This early usage could reduce the need for conventional insecticides when used alone as directed. Pretreatment of these areas before the fleas become biting and reproductive adults will aid in reducing developing populations.

INDOORS: Prior to treatment, carpets, draperies and upholstered furniture should be vacuumed thoroughly and the vacuum cleaner bag disposed of in an outdoor trash receptacle.

INSTRUCTIONS FOR USE: Nylar® IGR is intended to be mixed with water and applied with spray equipment such as any low pressure sprayer typically used for indoor applications.

SPRAY PREPARATION: Prepare a diluted spray solution by adding 1.5 ounces per gallon of water. Partially fill the mixing container with water, add Nylar® IGR, agitate and fill to final volume. Do not allow spray mixture to stand overnight. Mix before each use.

IN CONJUNCTION WITH ADULTCIDE INSECTICIDE: This concentrate may be combined with an insecticide registered for adult control of fleas. The combination would provide immediate control of adult fleas and inhibit the development of the immature stages of the flea for 210 days. This application should conform to accepted use precautions and directions for both products. Use Nylar® IGR at application rates specified above.

GENERAL SURFACE APPLICATION: Apply diluted spray at the rate of 1 gallon per 1,500 square feet of surface area. Treat all areas which my harbor fleas, such as carpets, furniture, pet sleeping areas and throw rugs. Treat under cushions of upholstered furniture. Do not allow children or pets to contact treated surfaces until spray has dried. Repeat as necessary.

IN KENNELS AND DOG HOUSES: Treatment of these areas will control the development of preadult fleas from becoming biting and reproductive adult fleas. Using an adjustable hose-end sprayer, or tank type sprayer prepare a diluted spray solution by adding 1.5 ounces per gallon of water. Partially fill the sprayer with water, add required amount of concentrate in sprayer, agitate and fill to final volume. Agitate before each spray. Do not allow the spray mixture to stand overnight.

Apply at a rate of 1 gallon diluted solution per 1,500 square feet of surface area. Apply to building, resting areas, walls, floor, animal bedding and run areas. Remove animals before spraying and do not return animals to treated areas until spray has dried completely. Pets and their bedding should also be treated with EPA registered flea and tick products such as flea and tick collar, pet powder, pet spray, pet dip, pet shampoo, flea shampoo or flea and tick shampoo in conjunction with this application as part of a complete flea control program to prevent the introduction of adult fleas. Repeat as necessary.

FOR GERMAN, ASIAN AND BROWN BANDED COCKROACH CONTROL: The active ingredient in this concentrate is Nylar® IGR, an insect growth regulator. Nylar® IGR is similar to insect growth hormones that occur naturally in insects and acts on the immature life stages of the cockroach preventing nymphal cockroaches from developing into adults. Shortly after application of this concentrate, cockroaches with twisted wings will begin to appear indicating that Nylar® IGR has taken effect - those cockroaches with twisted wings are unable to reproduce. The unique properties of Nylar® IGR eliminate the cockroach population, when used as directed. One treatment works for 180 days against hatching cockroaches. If a high population of adult cockroaches are present, the use of an adulticide may be necessary for immediate control. Nylar® IGR causes a gradual reduction in the cockroach population by breaking the life life cycle of the cockroach and preventing the cockroaches from breeding. This concentrate may also be combined with a cockroach adulticide, such as Conquer.® This concentrate compliments the rapid activity of the adulticide by providing long term control of cockroach nymphs before they become breeding adults.

INDOORS:

INSTRUCTIONS FOR USE: Nylar® IGR is intended to be mixed with water and applied with spray equipment such as any low pressure sprayer typically used for indoor applications.

SPRAY PREPARATION: Prepare a diluted spray solution by adding 2 ounces per gallon of water. Partially fill the mixing container with water, add Nylar® IGR, agitate and fill to the final volume. Agitate before each spray. Do not allow spray mixture to stand overnight.

IN CONJUNCTION WTTH AN ADULTICIDE INSECTICIDE: This concentrate may be combined with an insecticide registered for adult control of cockroaches. The combination would provide immediate control of adult cockroaches and inhibit the development of the immature stages of the cockroaches for 180 days. This application should conform to accepted use precautions and directions for both products. Use at application rates specified above.

GENERAL SURFACE APPLICATION: Brown Banded Cockroach, Asian Cockroach, German Cockroach, and Cricket: Apply diluted spray at the rate of 1 gallon per 1,000 square feet of surface area as a spot treatment, surface application and crack and crevice spray. Contact as many insects as possible with this spray in addition to thorough spraying of all parts of the room suspected of harboring these pests. Special attention should be paid to hiding places such as beneath sinks, behind and beneath stoves and refrigerators, cracks and crevices, around garbage cans, cabinets, along the outside of baseboards, door and window sills, door and window frames and floors, around and on drains, pipes, plumbing, behind bookcases, storage and other utility installation areas, infested furniture and the inside of cabinets and closets hitting insects with spray whenever possible. Repeat as necessary.

NOTE: Not Labeled For Use in Food Areas of Food Handling Establishments.

SPOT AND CREVICE APPLICATIONS: Apply diluted spray solution using a pressurized spray system capable of delivering a pin-point or variable spray pattern. Crack and Crevice applications may be made directly to areas such as, but not limited to, crevices, baseboards, floors, ceilings, walls, expansion joints, molding, areas around water and sewer pipes, voids where pests can hide and similar areas. Spot treatments may also be made to areas including but not limited to storage areas, closets, around water pipes, doors and windows, behind and under refrigerators, cabinets, sinks, stoves and other equipment, shelves, drawers and similar areas.

WAREHOUSES: Nylar® IGR may be applied as a general surface, fogger, spot or crack and crevice treatment in nonfood storage warehouses or in warehouses where stored food items are limited solely to either bottle or canned items, so that food contact is not anticipated. Apply to all areas that may harbor pests, including under and between pallets.

STORAGE AND DISPOSAL.
STORAGE: Store in a cool, dry area away from heat or open flame.
DISPOSAL: **If empty:** Do not reuse this container. Place in trash or offer for recycling if available. **If partly filled:** Call your local solid waste agency or 1-800-CLEANUP for disposal instructions. Never place unused product down any indoor or outdoor drain.

Net Contents 16 fl. oz.
EPA Reg. No. 11715-307-57076
EPA Est No. 11715-TN-1
Rev. 3/22/05M&B KEY #22095

Manufactured for:
PARAGON PROFESSIONAL PEST CONTROL PRODUCTS
3635 Knight Rd., Suite #7, Memphis, TN 38118

SPECIMEN

MATERIAL SAFETY DATA SHEET

MATERIAL IDENTIFICATION

NAME: Demize Nylar IGR
DISTRIBUTOR: Paragon Professional Pest Control Products
PREPARED BY: R. LeVasseur
EMERGENCY TELEPHONE: 901-362-1950/Chemtrec 800-424-9300
DATE PREPARED: March 27, 1996

SECTION 1 - GENERAL INFORMATION

MANUFACTURER: Speer Products.
PROPER SHIPPING NAME (49CFR 172.101): CONSUMER COMMODITY
E.P.A. REGISTRATION NUMBER: 11715-307-57076
ADDRESS: 4242 B.F. Goodrich Blvd., Memphis, TN 38118
D.O.T. HAZARD CLASS (49CFR 172.101): ORM-D
GENERIC DESCRIPTION: Premise Emulsifiable Concentrate

SECTION 2 - HAZARDOUS INGREDIENTS*

Material	CAS#	%	TWA	STEL
Pyriproxyfen	95737-68-1	1.3	not est.	not est.

*Hazardous within the meaning of '29 CFR 1910.1200'

SECTION 3 - EFFECTS OF OVEREXPOSURE

EYES: May cause temporary irritation, tearing and blurred vision.
SKIN: Prolonged or repeated exposure can cause irritation and reddening of the skin, possibly progressing into dermatitis.
ACUTE INHALATION: May cause mild irritation to nasal and upper respiratory passages.
ORAL: Can cause stomach irritation resulting in nausea, cramps and vomiting.
COMMENT: Unnecessary exposure to this product, or any chemical, should be avoided.
SYSTEMIC & OTHER EFFECTS: None known.
CARCINOGENICITY: NTP Not listed
IARC monographs Not listed
OSHA Not listed
AGIH Not listed

SECTION 4 - EMERGENCY AND FIRST AID PROCEDURES

EYES: Wash repeatedly with cold water. Get medical attention if irritation persists.
SKIN: Wash skin with soap and water. Remove contaminated clothing.
INHALATION: Remove to fresh air.
ORAL: Call a physician or Poison Control Center.

SECTION 5 - FIRE AND EXPLOSION DATA

FLASH POINT: >153F TCC
FLAME EXTENSION: NA
AUTOIGNITION: NA.
FLAMMABILITY LIMITS IN AIR, % by vol.: UPPER: not est. **LOWER:** not est.
UNUSUAL FIRE OR EXPLOSION HAZARDS: None Known.
SPECIAL FIRE FIGHTING PROCEDURES: Self-contained breathing apparatus and protective clothing should be worn when fighting fires involving chemicals. Firefighters should use protective shielding to avoid being hit by rupturing containers.

SECTION 6 - PHYSICAL DATA

BOILING POINT (F):not est.
VAPOR PRESSURE: (PSIG @ 70° degrees F): Not det.
SOLUBILITY IN WATER: Emulsifiable EVAPORATION RATE (WATER=1: 0.9
APPEARANCE & ODOR: Colorless liquid with solvent odor.
SPECIFIC GRAVITY OF CONCENTRATE: 0.8
PERCENT VOLATILE BY VOLUME: not est.

SECTION 7 - REACTIVITY DATA

STABILITY: Stable
HAZARDOUS POLYMERIZATION: Will not occur.
CONDITIONS TO AVOID: Do not store above 130F. Do not store near open flame.
INCOMPATIBILITY (MATERIAL TO AVOID): Heat and acidic or alkaline conditions may cause this product to break down. Contact with strong oxidizers may produce an explosive mixture.
HAZARDOUS DECOMPOSITION PRODUCTS: Products of combustion are principally carbon dioxide, carbon monoxide and water.

SECTION 8 - SPILL, LEAK AND DISPOSAL PROCEDURES

SPILL RESPONSE: Remove ignition sources. Use absorbent material to collect and contain for salvage or disposal. Ventilate area.
This product contains no CERCLA listed chemicals.
PROTECTIVE EQUIPMENT:
EYES: Use proper protection—OSHA approved safety glasses as a minimum.
SKIN: Wear rubber gloves; immediately wash with soap and water exposed skin.*
INHALATION: In the absence of proper ventilation, use a respirator approved by NIOSH/MSHA for use with pesticides and organic solvents.
WASTE DISPOSAL METHOD: Empty containers may be discarded in trash. Full or leaking containers should be taken to a local disposal company for treatment or incineration. SPEER PRODUCTS suggests that all Local, State, and Federal Regulations concerning health and pollution be reviewed to determine approved disposal procedures. Do not contaminate water, food or feed by storage or disposal.
* Good practice requires that gross amounts of any chemical be removed from the skin as soon as practical, especially before eating or smoking.

SECTION 9 - ROUTING HANDLING PRECAUTIONS

PROTECTIVE EQUIPMENT: None required: however, it is recommended that professional applicators (those with repeated and extended exposure) wear appropriate protective equipment.
SKIN: Avoid skin contact. Wash hands after using product.*
INHALATION: Use only in a well-ventilated area.
VENTILATION: No special ventilation required when used according to label directions. Mechanical ventilation should be used when handling this product in enclosed spaces.
COMMENTS: Use only at normal room temperatures.
* Good practice requires that gross amounts of any chemical be removed from the skin as soon as practical, especially before eating or smoking.

SECTION 10 - SPECIAL PRECAUTIONS

HANDLING & STORAGE: Do not store above 130° F. Do not store near open flames.
OTHER PRECAUTIONS: Read and follow directions on product label.
REGULATORY REQUIREMENTS: This product has been reviewed according to the EPA "Hazard Categories" promulgated under Section 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

Immediate health (acute)

SARA 313 INFORMATION: This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

CHEMICAL NAME:	CAS #	CONCENTRATION:
Glycol Ethers	none	not more than 2.1

These data are offered in good faith as typical values and not as a product specification. No warranty, either express or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. All materials may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Key #22095