

MATERIAL SAFETY DATA SHEET

Agricultural Products Group
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(919) 547-2000

EMERGENCY TELEPHONE NUMBERS:

BASF Corporation: 1 (800) 832-HELP

CHEMTREC: 1 (800) 424-9300

Product No.: 579729 Pylon™ miticide-insecticide

Date Prepared: 8/18/2000 Date Revised: 8/16/2004

SECTION I

Trade Name: Pylon™ miticide-insecticide

Chemical Name: 4-bromo-2-(4-chlorophenyl)-1-(ethoxymethyl)-5-(trifluoromethyl)-1H-pyrrole-3-carbonitrile

Synonyms: pyrrole; CL 303,630; chlorfenapyr Formula: C(15) H(11) Br Cl F(3) N(2) O

Chemical Family: Pyrrole

Mol Wt: 407.6

SECTION II - INGREDIENTS

COMPONENT	CAS NO.	%	PEL/TLV - SOURCE
CL 303,630 (chlorfenapyr)	122453-73-0	21.44	None established
Propylene glycol	57-55-6	7.5	None established
Inerts	N/A	71.06	None established

SARA Title III Section 313: Not listed

SECTION III - PHYSICAL DATA

BOILING/MELTING POINT@760mm Hg: Similar to water pH: 6.5 - 7.2 2% dispersion

VAPOR PRESSURE mmHg @ 20°C: N/D

SPECIFIC GRAVITY OR BULK DENSITY: 1.1 g/mL @ 20° C

SOLUBILITY IN WATER: Forms a suspension

APPEARANCE: Off-white to tan liquid

ODOR: N/A

INTENSITY: N/A

SECTION IV - FIRE AND EXPLOSION DATA

FLASH POINT (TEST METHOD): N/D

AUTOIGNITION TEMP: N/D

FLAMMABILITY LIMITS IN AIR (% BY VOL):

LOWER: N/D

UPPER: N/D

NFPA 704 HAZARD CODES

HEALTH: 2

FLAMMABLE: 1

INSTABILITY: 0

OTHER: N/R

NFPA 30 STORAGE CLASSIFICATION: N/R

EXTINGUISHING MEDIUM Use water fog, foam, CO(2), or dry chemical extinguishing media.

SPECIAL FIREFIGHTING PROCEDURES Firefighters should be equipped with self-contained breathing apparatus and turnout gear. Control run-off water - if water enters drainage system, notify authorities downstream.

UNUSUAL FIRE EXPLOSION HAZARDS None known.

SELECT ACRONYM KEY

N/A - Not available; N/D - Not determined; N/R - Not rated; N/E - Not established

SECTION V - HEALTH DATA**TOXICOLOGICAL TEST DATA:**

Data for the formulated product:

Rat (male), Oral LD50 (calculated) = 560 mg/kg

Rat (female), Oral LD50 (calculated) = 567 mg/kg

Rabbit (combined), Dermal LD50 > 2000 mg/kg

Rat (male), Inhalation LC50 (4 hr) = 0.571 mg/L

Rat (female) Inhalation LC50 (4 hr) = 2.43 mg/L

Rat (male), Inhalation LC50 (1 hr - calculated) = 2.284 mg/L

Rat (female), Inhalation LC50 (1 hr - calculated) = 9.72 mg/L

Rabbit, Eye Irritation - Non-irritating

Rabbit, Skin Irritation - Non-irritating

Guinea pig, Dermal Sensitizer - Not a sensitizer

Note: Inhalation data for mists were not used to classify this material for transportation because it is reasonably foreseeable that such concentrations (mists) would not be encountered by a human during transport (49CFR 173.132 (b) (3)).

OSHA, NTP, or IARC Carcinogen: Not listed.

EFFECTS OF OVEREXPOSURE:

See Product Label and Directions For Use for additional precautionary statements.

CAUTION! Keep out of reach of children.

Avoid contact with skin and eyes. Do not breathe sprays or mists.

Existing medical conditions aggravated by this product:

None known.

FIRST AID PROCEDURES

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 by a poison control center or doctor. Do not give anything to an unconscious person.

If on skin or clothing: 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.

If inhaled: Move 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.

If in eyes: Immediately hold eyelids open and flush with a steady, gentle stream of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

Note to physician: Treat symptomatically. No specific antidote.

Note: Have the product container or label with you when calling a poison control center or doctor or going for treatment.

SECTION VI - REACTIVITY DATA

STABILITY: Stable. Do not store below 32° F. Avoid heat and sunlight.

CONDITIONS TO AVOID: Store in original container in cool, dry, well ventilated place away from ignition sources, heat or flame.

CHEMICAL INCOMPATIBILITY: Oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Including oxides of carbon and nitrogen; HCl; HF; HBr

HAZARDOUS POLYMERIZATION: Does not occur.

CONDITIONS TO AVOID: Does not polymerize.

CORROSIVE TO METAL: No

OXIDIZER: No

SECTION VII - PERSONAL PROTECTION

PESTICIDE APPLICATORS & WORKERS must refer to the Product Label and Directions For Use attached to the product for Agricultural Use Requirements in accordance with the EPA Worker Protection Standard 40 CFR part 170.

RECOMMENDATIONS FOR MANUFACTURING, COMMERCIAL BLENDING, AND PACKAGING WORKERS:**Respiratory Protection:**

Supplied air respirators should be worn if large quantities of mist are generated or prolonged exposure possible.

Eye Protection:

Chemical goggles when respirator does not provide eye protection.

Protective Clothing:

Gloves and protective clothing as necessary to prevent skin contact.

Ventilation:

Whenever possible, engineering controls should be used to minimize the need for personal protective equipment.

SECTION VIII - ENVIRONMENTAL DATA**ENVIRONMENTAL TOXICITY DATA**

Based on standard laboratory tests on this formulation and the active ingredient, chlorfenapyr, this product is very toxic to fish, aquatic invertebrates, and honeybees, and toxic to algae.

SARA 311/312 REPORTING

FIRE:N PRESSURE:N REACTIVITY:N ACUTE:Y CHRONIC:N TPQ(lbs): N/R

SPILL AND LEAK PROCEDURES:

In case of large scale spillage of this product, avoid contact, isolate area and keep out animals and unprotected persons. Call CHEMTREC (800 424-9300) or BASF Corporation (800 832-HELP). For a small spill, wear personal protective equipment as specified on the label.

FOR A LIQUID SPILL: Dike and contain the spill with inert material (sand, earth , etc.) and transfer the liquid and solid diking materials to separate containers for disposal.

FOR A SOLID SPILL: Sweep solid into a drum for re-use or disposal. Remove personal protective equipment and decontaminate it prior to re-use.

HAZARDOUS SUBSTANCE SUPERFUND: No RQ(lbs): None

WASTE DISPOSAL METHOD:

Pesticide wastes are acutely hazardous. Wastes resulting from this product may be disposed of on site or at an approved waste disposal facility. Improper disposal of excess pesticide, spray mix or rinsate is a violation of federal law. If these wastes cannot be disposed of according to label instructions, contact the state agency responsible for pesticide regulation or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

HAZARDOUS WASTE 40CFR261: No

HAZARDOUS WASTE NUMBER:None

CONTAINER DISPOSAL:

Empty containers or liners may retain some product residues. DO NOT REUSE. Rinse the container or liner as needed for disposal. Render it unusable by crushing or puncturing. Dispose of the container and any rinsate in a safe manner. Follow all applicable community, national or regional regulations regarding waste management methods.

SECTION IX - SHIPPING DATA - PACKAGE AND BULK**D.O.T. PROPER SHIPPING NAME (49CFR172.101-102):**

None

**HAZARDOUS SUBSTANCE
(49CFR CERCLA LIST):**

RQ(lbs): None

D.O.T. HAZARD CLASSIFICATION (CFR 172.101-102):**PRIMARY****SECONDARY**

None

D.O.T. LABELS REQUIRED (49CFR172.101-102):

None

**D.O.T. PLACARDS
REQUIRED (CFR172.504):**

None

**POISON CONSTITUENT
(49CFR172.203(K)):**

None

BILL OF LADING DESCRIPTION

THIS PRODUCT IS NOT REGULATED BY THE DEPARTMENT OF TRANSPORTATION.

In the European Union: Environmentally hazardous substance, liquid, N.O.S.(Chlorfenapyr), 9, UN3082, PG III, Marine Pollutant.

CC NO.: Not applicable**UN/NA CODE:** Not applicable**SECTION X - ADDITIONAL INFORMATION****Pylon™ miticide-insecticide****EPA Reg. No. 241-374****KEEP OUT OF REACH OF CHILDREN****CAUTION****Complete Label and Directions For Use are attached to the product.****Agricultural Use Requirements**

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. Refer to supplemental labeling under "Agricultural Use Requirements" in the Directions for Use section for information about this standard.

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