

MATERIAL SAFETY DATA SHEET

Agricultural Products Group
P.O.Box 13528,
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(919) 547-2000

EMERGENCY TELEPHONE NUMBERS:

BASF Corporation: 1 (800) 832-HELP

CHEMTREC: 1 (800) 424-9300

Product No.: 579717 Phantom® termiticide-insecticide

Date Prepared: 8/3/2000 Date Revised: 3/14/2002

SECTION I

Trade Name: Phantom® termiticide-insecticide

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

Synonyms: chlorfenapyr, CL 303,630

Formula: C(15) H(11) Br Cl F(3) N(2) O

Chemical Family: Pyrrole

Mol Wt: 407.62

SECTION II - INGREDIENTS

| COMPONENT | CAS NO. | % | PEL/TLV - SOURCE |
|-------------------------------------|-------------|-------|------------------|
| CL 303,630 Technical (chlorfenapyr) | 122453-73-0 | 21.44 | None established |
| Propylene glycol | 57-55-6 | 7.50 | 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: N/D pH: 6.87 @ 2% dispersion

VAPOR PRESSURE mmHg @ 20°C: N/D

SPECIFIC GRAVITY OR BULK DENSITY: 1.16 g/mL @ 20° C

SOLUBILITY IN WATER: Disperses

APPEARANCE: Tan liquid

ODOR: Sweet

INTENSITY: Mild

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: N/R

FLAMMABLE: N/R

INSTABILITY: N/R

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. Decontaminate emergency personnel with soap and water before leaving the fire area.

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 = 560 mg/kg

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

Rabbit, Dermal LD50 > 2000 mg/kg

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

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

Rabbit, Eye Irritation - Slightly irritating

Rabbit, Skin Irritation - Slightly 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 49 CFR 173.132 (b) (3) 0 - 0

OSHA, NTP, or IARC Carcinogen: Not listed.

EFFECTS OF OVEREXPOSURE:

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

CAUTION

Harmful if swallowed, inhaled or absorbed through the skin. Causes moderate eye irritation. Do not get in eyes, on skin, or on clothing. Avoid breathing vapors or spray mist. Remove contaminated clothing and wash clothing before reuse.

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: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

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. Do not store in heat or in 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: Oxides of carbon and nitrogen, acid halides.

HAZARDOUS POLYMERIZATION: Does not occur.

CONDITIONS TO AVOID: Does not polymerize.

CORROSIVE TO METAL: No

OXIDIZER: No

SECTION VII - PERSONAL PROTECTION

Users of a pesticidal end use product should refer to the product label for personal protective equipment requirements.

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

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

Eye Protection:

Chemical goggles when respirator does not provide eye protection.

Protective Clothing:

Long-sleeved shirt, slacks, shoes and socks, chemically resistant gloves such as barrier laminate

Ventilation:

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

or butyl rubber, or nitrile rubber or neoprene or polyvinyl chloride (PVC) or viton (> 14 mils).

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

This product is toxic to aquatic organisms, birds, and wildlife.

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:

FOR PLASTIC CONTAINERS: Triple rinse (or equivalent) and add rinsate to the spray tank. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

FOR BULK CONTAINERS: Reusable containers should be returned to the point of purchase for cleaning and re-filling.

FOR MINIBULK CONTAINERS: Clean all tanks on an approved loading pad so rinsate can be collected and mixed into the spray solution or into a dedicated tank. Using a high pressure sprayer, rinse several times with small volumes of water to minimize rinsate.

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**

None

SECONDARY**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

Insecticides, NOIBN

CC NO.: Not applicable**UN/NA CODE:** None**SECTION X - ADDITIONAL INFORMATION****Phantom® termiticide-insecticide**

Do not store in heat or in sun light.

EPA Reg. No. 241-392**KEEP OUT OF REACH OF CHILDREN****CAUTION****BASF Corporation**Agricultural Products Group
P.O.Box 13528,
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(919) 547-2000**DISCLAIMER**

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